

Including Park Pilot  
for retrofitting and  
switches for veteran  
cars and newer models



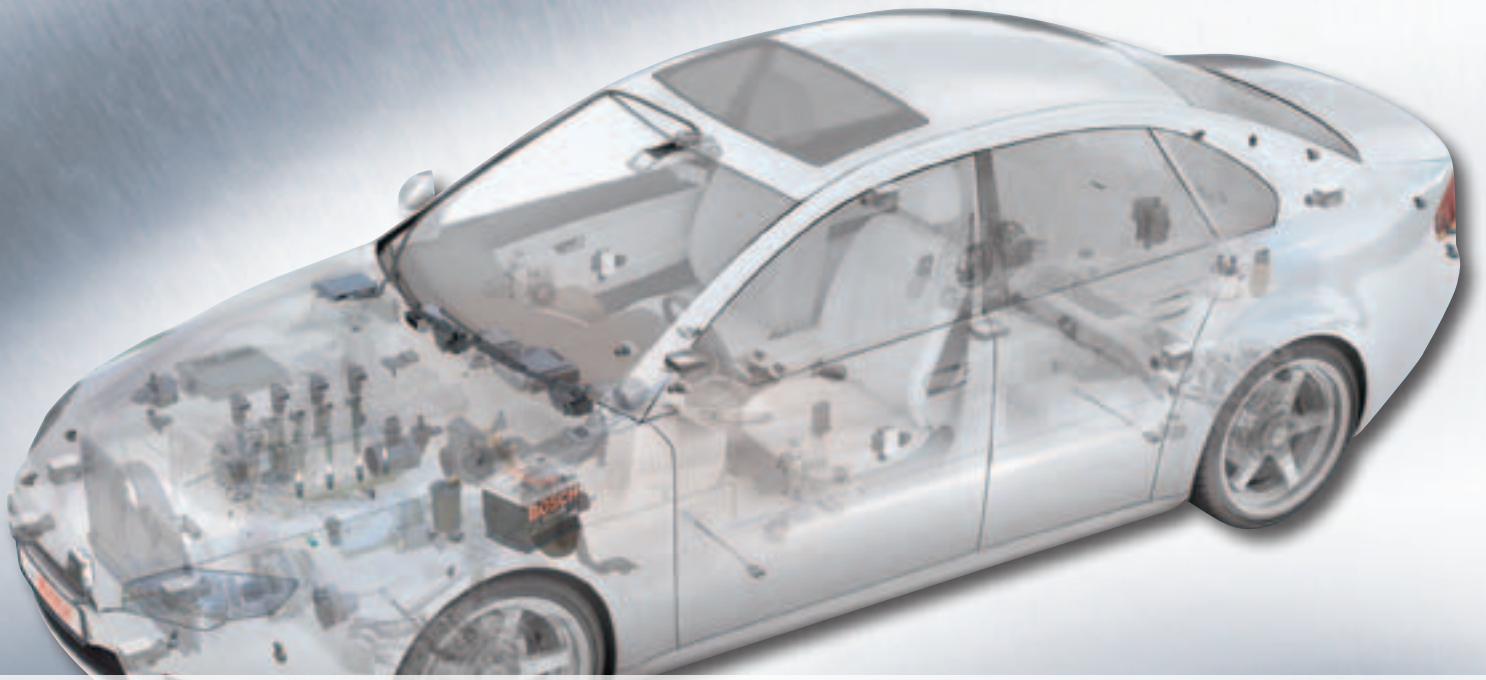
**Accessories**

**2013 | 2014**



**BOSCH**

**Bosch accessories from one single source:**  
Quality that shows.



**Bosch** has the **solution**

Bosch is the world leader in new ideas and innovative products, and in the development and production of components and systems for automotive technology.

In the aftermarket sector too, drivers can also benefit from Bosch's high-quality services and many years of experience. Thanks to new technologies Bosch is setting worldwide standards in the automotive industry.

As well as spare parts and accessories for all vehicles, Bosch offers a comprehensive range of products for:

- ▶ Veteran cars and newer models
- ▶ Agricultural and construction machinery
- ▶ Motorcycles
- ▶ Boats
- ▶ Industrial machinery, and many more.

Workshops and dealers will find a complete range of accessories from A to Z, all in the familiar high Bosch quality.

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## Application



<b>B 2</b>	Ignition-cables
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## Part-number overview

(Lighting Technology)

	Type	
<b>0 986 310 984</b>	Light-Star LED	A 6
<b>0 986 310 985</b>	Light-Star LED	A 6
<b>0 986 310 986</b>	Light-Star Xenon ECE	A 7
<b>0 986 310 987</b>	Light-Star Xenon ECE	A 7
<b>0 986 310 987</b>	Light-Star ECE	A 8
<b>0 986 310 980</b>	Light-Star ECE	A 8
<b>9 986 310 982</b>	Light-Star Pencil Beam	A 9
<b>9 986 310 983</b>	Light-Star Pencil Beam	A 9
<b>0 306 003 970</b>	Rallye 225 Highlight ECE	A 10
<b>0 306 003 971</b>	Rallye 225 Highlight ECE	A 10
<b>0 306 003 972</b>	Rallye 225 Highlight Pencil Beam	A 11
<b>0 306 003 973</b>	Rallye 225 Highlight Pencil Beam	A 11
<b>0 306 003 974</b>	Rallye 225 Highlight Xeno ECE	A 12
<b>0 306 003 975</b>	Rallye 225 Highlight Xeno ECE	A 12
<b>0 306 003 976</b>	Rallye 225 Highlight Xeno ECE	A 12
<b>0 306 003 977</b>	Rallye 225 Highlight Xeno ECE	A 12
<b>0 986 310 950</b>	Pilot 175	A 13
<b>0 986 310 951</b>	Pilot 175	A 13
<b>0 986 310 952</b>	Pilot 225	A 14
<b>0 986 310 953</b>	Pilot 225	A 14
<b>0 306 003 001</b>	Rallye 225	A 15
<b>0 306 003 002</b>	Rallye 225	A 15
<b>0 306 003 003</b>	Rallye 225	A 15
<b>0 306 003 006</b>	Rallye 225	A 15
<b>0 306 003 007</b>	Rallye 225	A 15
<b>0 306 003 008</b>	Rallye 225	A 15
<b>0 306 003 008</b>	Rallye 225	A 15
<b>0 986 310 674</b>	Rallye 175 Xenon	A 16
<b>0 986 310 533</b>	Rallye 175 Halogen	A 17
<b>0 986 310 534</b>	Rallye 175 Halogen	A 17
<b>0 305 606 001</b>	Pilot 160	A 18
<b>0 305 606 002</b>	Pilot 160	A 18
<b>0 305 606 901</b>	Pilot 160	A 18
<b>0 306 407 001</b>	Pilot 150	A 19
<b>0 306 407 101</b>	Pilot 150	A 19
<b>0 306 407 901</b>	Pilot 150	A 19
<b>0 986 310 537</b>	Profi 210	A 20
<b>0 986 310 538</b>	Profi 210	A 20
<b>0 305 002 001</b>	Rallye 225	A 24
<b>0 305 603 001</b>	Pilot 160	A 25
<b>0 305 603 002</b>	Pilot 160	A 25
<b>0 305 603 901</b>	Pilot 160	A 25
<b>0 305 603 902</b>	Pilot 160	A 25
<b>0 305 406 001</b>	Pilot 150	A 26
<b>0 305 406 105</b>	Pilot 150	A 26
<b>0 986 310 539</b>	Profi 210	A 27
<b>0 986 310 960</b>	LED 135	A 34
<b>0 986 310 961</b>	LED 135	A 34
<b>0 306 310 930</b>	Pilot 100	A 35
<b>0 306 310 930</b>	Pilot 100	A 35
<b>0 305 603 931</b>	Pilot 100	A 35
<b>0 305 603 933</b>	Pilot 100	A 35
<b>0 986 310 936</b>	Pilot 135 Single Beam	A 36
<b>0 986 310 937</b>	Pilot 135 Single Beam	A 36
<b>0 986 310 938</b>	Pilot 135 Doube Beam	A 37

	Type	
<b>0 986 310 939</b>	Pilot 135 Doube Beam	A 37
<b>0 306 481 001</b>	Pilot 140	A 38
<b>0 306 481 002</b>	Pilot 140	A 38
<b>0 306 481 004</b>	Pilot 140	A 38
<b>0 306 481 003</b>	Pilot 140	A 39
<b>0 306 482 001</b>	Pilot 145	A 40
<b>0 306 482 003</b>	Pilot 145	A 40
<b>0 306 482 010</b>	Pilot 145	A 40
<b>0 306 484 001</b>	Pilot 150	A 41
<b>0 306 484 002</b>	Pilot 150	A 41
<b>0 986 319 934</b>	Pilot 155	A 42
<b>0 306 680 001</b>	Pilot 160	A 43
<b>0 986 310 675</b>	Pilot X	A 44
<b>0 986 310 676</b>	Pilot X	A 44
<b>0 986 310 677</b>	Pilot X	A 44
<b>0 986 310 678</b>	Pilot X	A 44
<b>0 306 080 002</b>	Profi 210	A 45
<b>0 306 080 003</b>	Profi 210	A 45
<b>0 306 382 001</b>	Kiruna 140	A 43
<b>7 782 332 011</b>	RKLE 200 A Rotating beacon	A 52
<b>7 782 332 209</b>	RKLE 200 A Rotating beacon	A 52
<b>7 782 332 404</b>	RKLE 200 A Rotating beacon	A 52
<b>7 782 334 009</b>	RKLE 200 A Rotating beacon	A 52
<b>7 782 334 207</b>	RKLE 200 A Rotating beacon	A 52
<b>7 782 334 404</b>	RKLE 200 A Rotating beacon	A 52
<b>7 782 322 011</b>	RKLE 200 B1 Rotating beacon	A 53
<b>7 782 322 405</b>	RKLE 200 B1 Rotating beacon	A 53
<b>7 782 324 011</b>	RKLE 200 B1 Rotating beacon	A 53
<b>7 782 324 207</b>	RKLE 200 B1 Rotating beacon	A 53
<b>7 782 324 404</b>	RKLE 200 B1 Rotating beacon	A 53
<b>7 782 332 207</b>	RKLE 200 B1 Rotating beacon	A 53
<b>7 782 362 008</b>	RKLE 200 B2 Rotating beacon	A 54
<b>7 782 362 207</b>	RKLE 200 B2 Rotating beacon	A 54
<b>7 782 362 404</b>	RKLE 200 B2 Rotating beacon	A 54
<b>7 782 364 007</b>	RKLE 200 B2 Rotating beacon	A 54
<b>7 782 364 207</b>	RKLE 200 B2 Rotating beacon	A 54
<b>7 782 364 404</b>	RKLE 200 B2 Rotating beacon	A 54
<b>7 782 372 004</b>	RKLE 200 D Rotating beacon	A 55
<b>7 782 372 204</b>	RKLE 200 D Rotating beacon	A 55
<b>7 782 372 403</b>	RKLE 200 D Rotating beacon	A 55
<b>7 782 374 203</b>	RKLE 200 D Rotating beacon	A 55
<b>7 782 374 405</b>	RKLE 200 D Rotating beacon	A 55
<b>7 782 332 008</b>	RE-60 A Rotating beacon	A 56
<b>7 782 334 007</b>	RE-60 A Rotating beacon	A 56
<b>7 782 332 009</b>	RE-60 FLX Rotating beacon	A 57
<b>7 782 334 008</b>	RE-60 FLX Rotating beacon	A 57
<b>7 782 324 012</b>	RE-60 B Rotating beacon	A 58
<b>7 782 332 012</b>	RE-60 B Rotating beacon	A 58
<b>7 782 372 003</b>	RE-60 D Rotating beacon	A 59
<b>7 782 374 005</b>	RE-60 D Rotating beacon	A 59
<b>7 782 319 052</b>	RSWA 100/RSWF 100 Floodlight	A 60
<b>7 782 319 054</b>	RSWA 100/RSWF 100 Floodlight	A 60





## Auxiliary lamps – Driving lamps

### Range overview



**A6/7/8/9**

**Light-Star** – Driving lamp.  
Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles.



**A10/11/12**

**Rallye 225 Highlight** – Driving lamp.  
Innovative, modern design with LED position light as standard. Extremely robust die-cast aluminum housing for passenger, commercial, emergency service and off-road vehicles.



**A15/16/17**

**Rallye** – Driving lamp.  
Exceptionally high lighting efficiency thanks to large and deep reflector. Tried and tested in motor sport. Also available in Xenon technology and as a fog lamp.



**A13/14**

**Pilot 175, 225** – Driving lamps.  
Sporty halogen driving lamp with glass fiber-reinforced polyamide housing. Available in two different sizes.



**A18/19**

**Pilot** – Driving lamp.  
Extra-flat housing. Specially designed for mounting on narrow bumpers. Version without mounting base is suitable for installation in spoiler or radiator grille. Also available as a fog lamp.



**A20**

**Profi** – Driving lamp.  
Robust and resistant to vibration. Ideal for tough day-to-day use on commercial vehicles. Also available as a fog lamp.



## Bosch auxiliary lamps

– for all types of vehicles and applications



### Bosch supplies a comprehensive range

of auxiliary lamps for all vehicles. Choose outstanding quality, unique design and enhanced safety thanks to more light on the road. Bosch auxiliary lamps improve the standard lighting profile of your vehicle. This gives you better visibility and valuable extra time to react more quickly to changing traffic situations. These seconds can be critical for your safety.

### Xenon or halogen

Some Bosch auxiliary lamps are already equipped with the latest Xenon gas discharge technology. Compared to a headlamp with a halogen bulb of the same size, this means up to three times more light. In addition, Xenon headlamps deliver a light color similar to daylight, improving driving comfort.

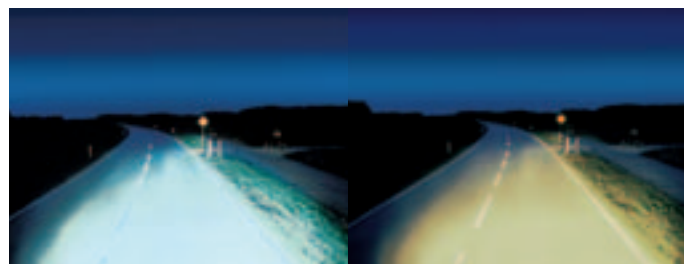
### Which light do you prefer?

Bosch auxiliary lamps are available with two different light profiles. “Wide/long” for a normal light profile. “Narrow/long” for those who prefer longer but narrower illumination. The advantage of mounting multiple auxiliary lamps: The two light profiles can be combined to achieve maximum light yield. The wide/long light profiles have ECE approval.

Bosch is continuously advancing the technology in its auxiliary lamps. To adapt the additional lighting capacity for today’s aerodynamic vehicles, exceptionally small and compact auxiliary lamps are needed. One result of this development is the Bosch Compact 100, which delivers up to 50 % more light compared to conventional ultra driving lamps of the same size. This is because the computer-designed reflector surface ensures more effective light distribution, illuminates the road more evenly and lights up the sides of the road better than conventional headlamps.

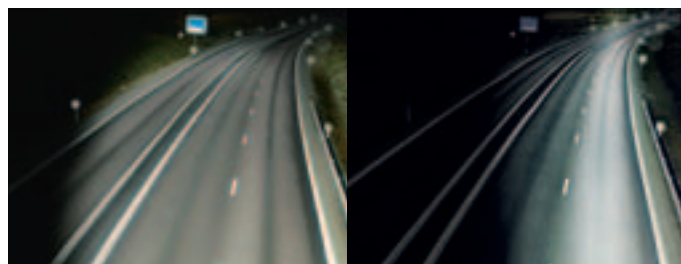
Xenon auxiliary lamps with gas discharge bulb

Halogen auxiliary lamps



Wide/long light profile

Narrow/long light profile



## Light-Star LED

Halogen/LED



**Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles. With the latest generation, high-power LED ring.**

### Headlamp housing

Stainless steel housing, polished.

### Lens

Colorless or blue.

### Attachment

With M10 threaded stud.

### Mounting

Upright.

### Scope of delivery

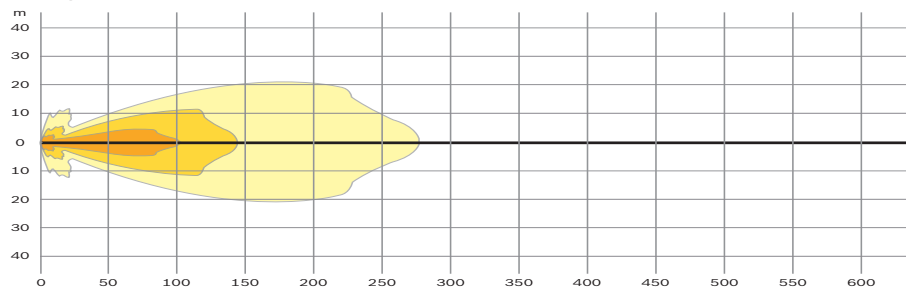
Headlamp, operating instructions, installation material.

### Standard

ECE approval.

### Driving lamp 12 V/55 W

Reference number: 17,5



### Light-Star LED

ECE, colorless	<b>0 986 310 984</b>
ECE, blue	<b>0 986 310 985<sup>1)</sup></b>

### Accessories and spare parts

Driving-lamp unit, ECE, colorless	<b>1 987 305 130</b>
Driving-lamp unit, ECE, blue	<b>1 987 305 131<sup>1)</sup></b>

### Type of bulb

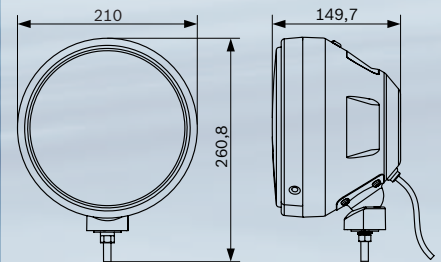
<b>H1</b>	12 V/55 W	<b>1 987 302 011</b>
<b>H1</b>	24 V/70 W	<b>1 987 302 411</b>

<sup>1)</sup> Operate blue ECE version with colorless bulbs only, H1.



## Light-Star Xenon ECE

Xenon



**Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles. With integral xenon control unit in the housing for greater reliability and convenience.**

### Headlamp housing

Stainless steel housing, polished.

### Lens

Colorless.

### Attachment

With M10 threaded stud.

### Mounting

Upright.

### Scope of delivery

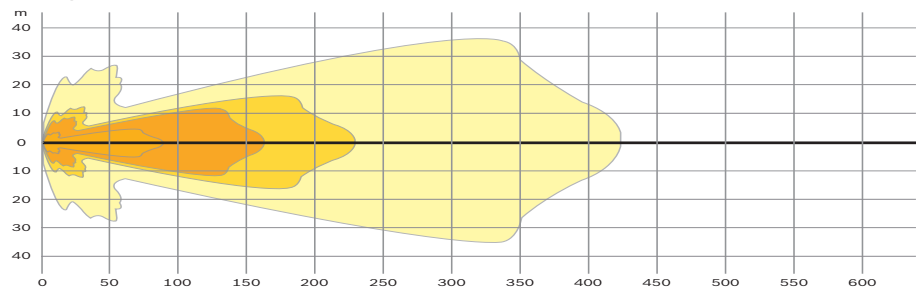
Headlamp, gas-discharge lamp D1S, control unit, complete cable connection set and marker lamp W5W, operating instructions, installation material.

### Standard

ECE approval.

### Driving lamp 12 V/55 W

Reference number: 37,5



### Light-Star Xenon ECE

Xenon ECE, 12 V colorless **0 986 310 986<sup>1)</sup>**

Xenon ECE, 24 V colorless **0 986 310 987<sup>1)</sup>**

### Accessories and spare parts

Driving-lamp unit, **1 987 305 132<sup>1)</sup>**

Xenon ECE, colorless

Xenon-Controller 12 V **1 987 305 138**

Xenon-Controller 24 V **1 987 305 139**

### Type of bulb

**D1S** 35 W **1 987 302 905**

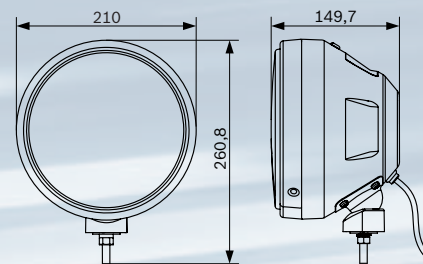
**W5W** 12 V/5 W **1 987 302 206**

**W5W** 24 V/5 W **1 987 302 518**

<sup>1)</sup> Observe legal regulations and safety instructions.

## Light-Star ECE

Halogen



**Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles.**

### Headlamp housing

Stainless steel housing, polished.

### Lens

Colorless or blue.

### Attachment

With M10 threaded stud.

### Mounting

Upright.

### Scope of delivery

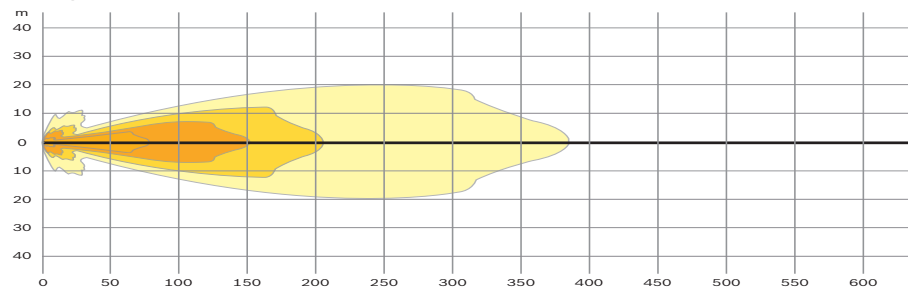
Headlamp, operating instructions, installation material.

### Standard

ECE approval.

### Driving lamp 12 V/55 W

Reference number: 37,5



### Light-Stat ECE

ECE, colorless	<b>0 986 310 980</b>
ECE, blue	<b>0 986 310 981<sup>1)</sup></b>

### Accessories and spare parts

Driving-lamp unit, ECE, colorless	<b>1 987 305 126</b>
Driving-lamp unit, ECE, blue	<b>1 987 305 127<sup>1)</sup></b>

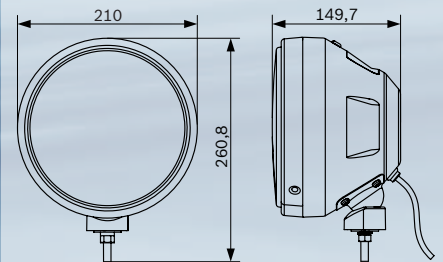
### Type of bulb

<b>H1</b>	12 V/55 W	<b>1 987 302 011</b>
<b>H1</b>	24 V/70 W	<b>1 987 302 411</b>
<b>W5W</b>	12 V/5 W	<b>1 987 302 206</b>
<b>W5W</b>	24 V/5 W	<b>1 987 302 518</b>

<sup>1)</sup> Operate blue ECE version with colorless bulbs only, H1.

## Light-Star Pencil Beam

Halogen



**Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles.**

### Headlamp housing

Stainless steel housing, polished.

### Lens

Colorless or blue.

### Attachment

With M10 threaded stud.

### Mounting

Upright.

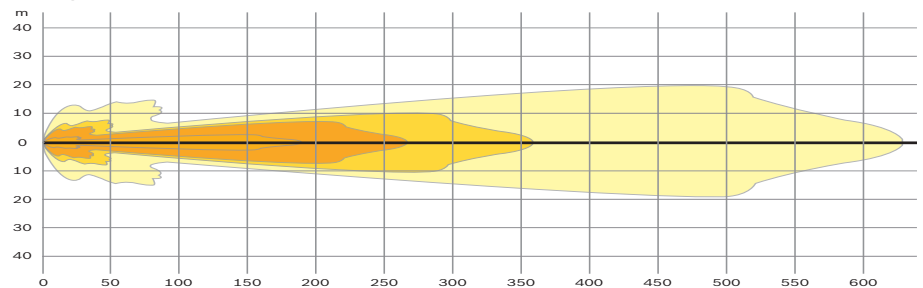
### Scope of delivery

Headlamp, operating instructions, installation material.

### Standard

Observe legal regulations and safety instructions.

### Driving lamp 12 V/55 W



### Light-Star Pencil Beam

Pencil Beam, colorless	<b>0 986 310 982<sup>1)</sup></b>
Pencil Beam, blue	<b>0 986 310 983<sup>1)</sup></b>

### Accessories and spare parts

Driving-lamp unit,	<b>1 987 305 128<sup>1)</sup></b>
Pencil Beam, colorless	
Driving-lamp unit,	<b>1 987 305 129<sup>1)</sup></b>
Pencil Beam, blue	

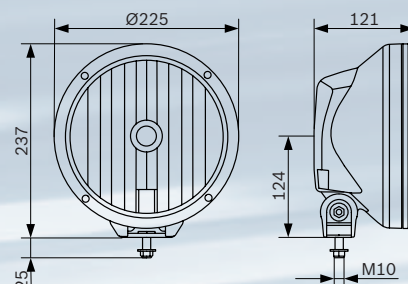
### Type of bulb

<b>H1</b>	12 V/55 W	<b>1 987 302 011</b>
<b>H1</b>	24 V/70 W	<b>1 987 302 411</b>
<b>W5W</b>	12 V/5 W	<b>1 987 302 206</b>
<b>W5W</b>	24 V/5 W	<b>1 987 302 518</b>

<sup>1)</sup> Observe legal regulations and safety instructions.

## Rallye 225 Highlight ECE

Halogen/LED



**Elegant design for optimum light efficiency and added safety. With innovative LED position light as standard.**

### Headlamp housing

Extra robust die-cast aluminum housing.

### Lens

Colorless or blue.

### Attachment

With M10 threaded stud.

### Mounting

Upright.

### Assembly parts

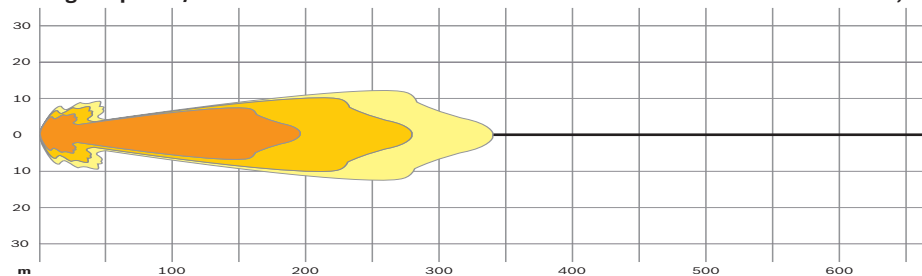
Included in scope of delivery.

### Standard

ECE approval.

### Driving lamp 12 V/55 W

Reference number: 37,5



### Rallye 225 Highlight ECE

ECE, colorless	<b>0 986 310 970</b>
ECE, blue	<b>0 986 310 971<sup>1)</sup></b>

### Accessories and spare parts

Driving-lamp unit, ECE colorless	<b>1 987 305 118</b>
Driving-lamp unit, ECE blue	<b>1 987 305 119<sup>1)</sup></b>

### Type of bulb

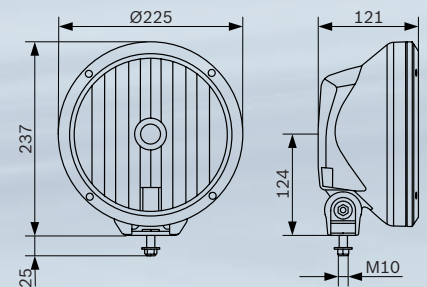
<b>H1</b>	12 V/55 W	<b>1 987 302 011</b>
<b>H1</b>	24 V/70 W	<b>1 987 302 411</b>

<sup>1)</sup> Operate blue ECE version with colorless bulbs only, H1.



## Rallye 225 Highlight Pencil Beam

Halogen/LED



**Elegantes Design für optimale Lichtausbeute und mehr Sicherheit. Serienmäßig mit innovativem LED-Positionslicht.**

### Headlamp housing

Extra robust die-cast aluminum housing.

### Lens

Colorless or blue.

### Attachment

With M10 threaded stud.

### Mounting

Upright.

### Assembly parts

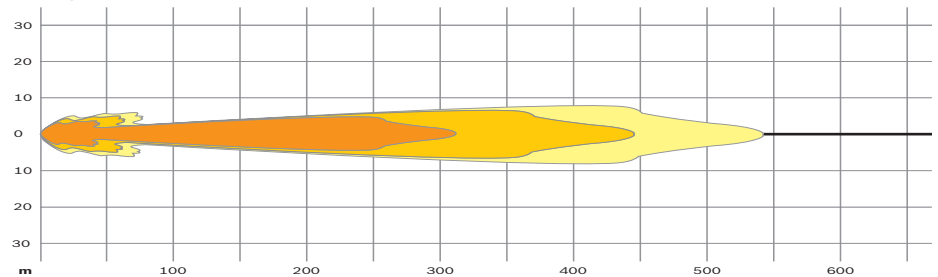
Included in scope of delivery.

### Standard

Observe legal regulations and safety instructions.

### Driving lamp 12 V/55 W

Reference number: 37,5



### Rallye 225 Highlight Pencil Beam

Pencil Beam, colorless **0 986 310 972<sup>1)</sup>**

Pencil Beam, blue **0 986 310 973<sup>1)</sup>**

### Accessories and spare parts

Driving-lamp unit, **1 987 305 120<sup>1)</sup>**

Pencil Beam, colorless

Driving-lamp unit, **1 987 305 121<sup>1)</sup>**

Pencil Beam, blue

### Type of bulb

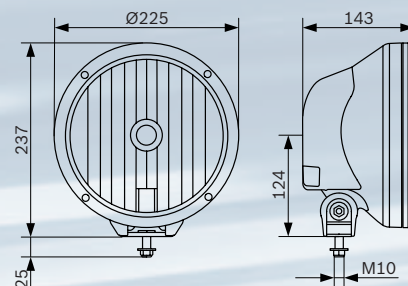
**H1** 12 V/55 W **1 987 302 011**

**H1** 24 V/70 W **1 987 302 411**

<sup>1)</sup> Observe legal regulations and safety instructions.

## Rallye 225 Highlight Xenon ECE

Xenon/LED



**Elegant design for optimum light efficiency and added safety. With innovative LED position light as standard.**

### Headlamp housing

Extra robust die-cast aluminum housing.

### Lens

Colorless or blue.

### Attachment

With M10 threaded stud.

### Mounting

Upright.

### Assembly parts

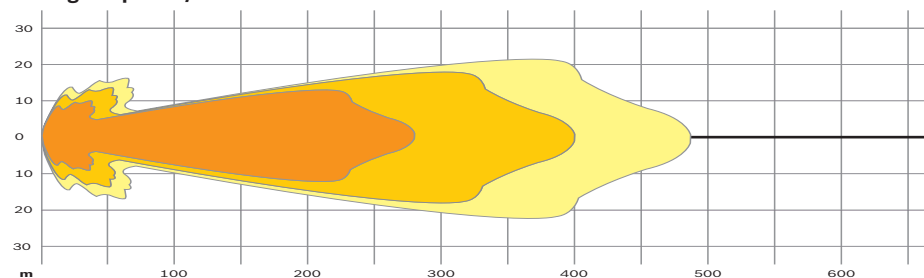
Included in scope of delivery.

### Standard

ECE approval.

### Driving lamp 12 V/55 W

Reference number: 45



### Rallye 225 Highlight Xenon ECE

Xenon ECE, 12V, colorless **0 986 310 974<sup>1)</sup>**

Xenon ECE, 12V, blue **0 986 310 975<sup>2)</sup>**

Xenon ECE, 24V, colorless **0 986 310 976<sup>1)</sup>**

Xenon ECE, 24V, blue **0 986 310 977<sup>2)</sup>**

### Accessories and spare parts

Driving-lamp unit, **1 987 305 122<sup>1)</sup>**

Xenon ECE colorless

Driving-lamp unit, **1 987 305 123<sup>2)</sup>**

Xenon ECE blue

### Type of bulb

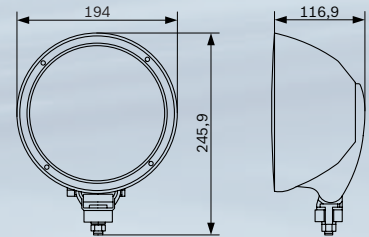
**D1S** 35 W **1 987 302 905**

<sup>1)</sup> Observe legal regulations and safety instructions.

<sup>2)</sup> Operate blue ECE version with colorless bulbs only, D1S.

## Pilot 175

Halogen



**Modern design paired with safety.**  
The high-grade chrome ring is a real eye-catcher. The computer-calculated reflector guarantees maximum light efficiency.

### Headlamp housing

Fiberglass reinforced impact-resistant polyamide housing, black.

### Lens

Colorless or blue.

### Attachment

With M10 threaded stud.

### Mounting

Upright.

### Assembly parts

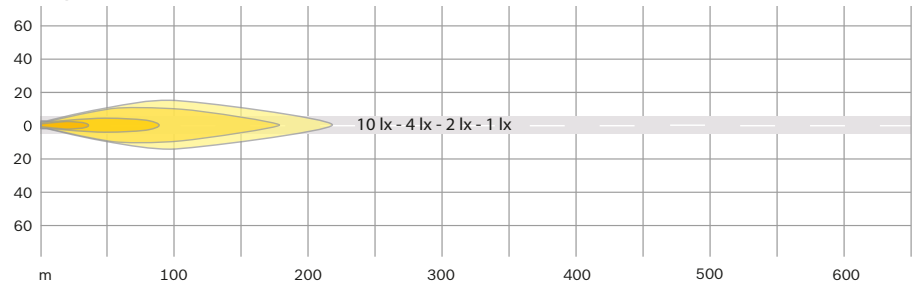
Included in scope of delivery.

### Standard

ECE and SAE approval.

### Driving lamp 12 V/55 W

Reference number: 17,5



### Pilot 175

Colorless	<b>0 986 310 950</b>
Blue	<b>0 986 310 951<sup>1)</sup></b>

### Accessories and spare parts

Driving-lamp unit, colorless	<b>1 987 305 112</b>
Driving-lamp unit, blue	<b>1 987 305 114<sup>1)</sup></b>
Protective cap	<b>1 987 305 110</b>

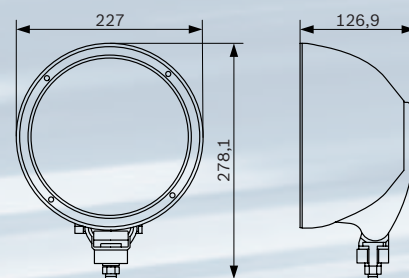
### Type of bulb

<b>H1</b>	12 V/55 W	<b>1 987 302 011</b>
<b>H1</b>	24 V/70 W	<b>1 987 302 411</b>
<b>W5W</b>	12V/5W	<b>1 987 301 033</b>
<b>W5W</b>	24V/5W	<b>1 987 302 518</b>

<sup>1)</sup> Operate blue ECE version with colorless bulbs only, H1.

## Pilot 225

Halogen



**Modern design paired with safety.**  
The high-grade chrome ring is a real eye-catcher. The computer-calculated reflector guarantees maximum light efficiency.

### Headlamp housing

Fiberglass reinforced impact-resistant polyamide housing, black.

### Lens

Colorless or blue.

### Attachment

With M10 threaded stud.

### Mounting

Upright.

### Assembly parts

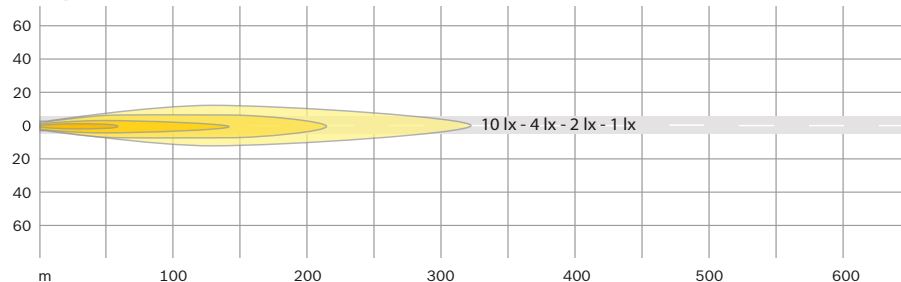
Included in scope of delivery.

### Standard

ECE approval.

### Driving lamp 12 V/55 W

Reference number: 37,5



### Pilot 225

Colorless	<b>0 986 310 952</b>
Blue	<b>0 986 310 953<sup>1)</sup></b>

### Accessories and spare parts

Driving-lamp unit, colorless	<b>1 987 305 113</b>
Driving-lamp unit, blue	<b>1 987 305 115<sup>1)</sup></b>
Protective cap	<b>1 987 305 111</b>

### Type of bulb

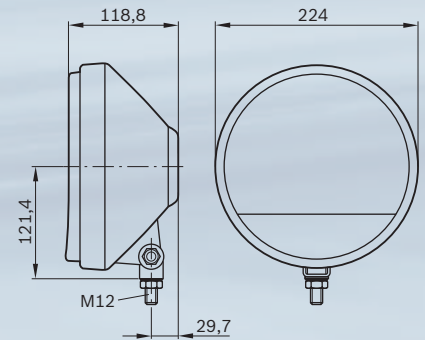
<b>H1</b>	12 V/55 W	<b>1 987 302 011</b>
<b>H1</b>	24 V/70 W	<b>1 987 302 411</b>
<b>W5W</b>	12V/5W	<b>1 987 301 033</b>
<b>W5W</b>	24V/5W	<b>1 987 302 518</b>

<sup>1)</sup> Operate blue ECE version with colorless bulbs only, H1.



## Rallye 225

Halogen



**Robust auxiliary lamp – developed for rally sport. Optimum light and best road illumination for heavy-duty applications. With or without side-marker lamp.**

### Headlamp housing

Waterproof steel housing, black resicoated.

### Lens

Colorless or blue. Lens aperture  $\varnothing$  205 mm.

### Attachment

With M12 threaded stud.

### Mounting

Upright.

### Assembly parts

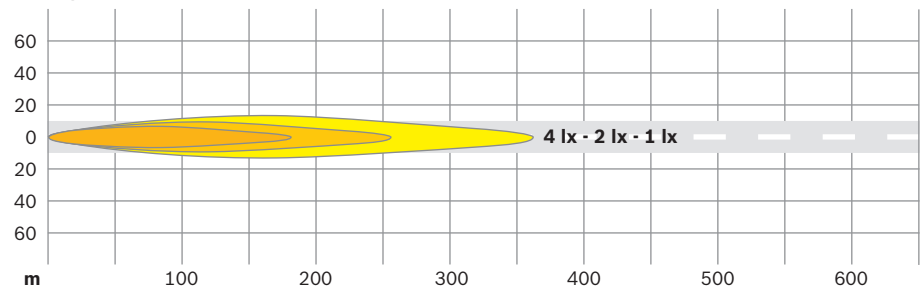
Included in scope of delivery.

### Standard

Observe legal regulations and safety instructions.

### Driving lamp 12 V/55 W

Reference number: 37,5



### Rallye 225

Without E-approval with protective cap	<b>0 306 003 001</b>
Colorless, without side-marker lamp	<b>0 306 003 002</b>
Colorless, with side-marker lamp	<b>0 306 003 006</b>
Blue, with side-marker lamp	<b>0 306 003 008<sup>2)</sup></b>
Colorless, with pencil beam	<b>0 306 003 003<sup>1)</sup></b>
Colorless, with Pencil beam and side-marker lamp	<b>0 306 003 007<sup>1)</sup></b>
Blue, with pencil beam	<b>0 306 003 009<sup>2)</sup></b>

### Type of bulb

<b>H3</b>	12 V/55 W	<b>1 987 302 031</b>
<b>H3</b>	24 V/70 W	<b>1 987 302 431</b>
<b>T 4 W</b>	12 V/4 W	<b>1 987 302 207</b>
<b>T 4 W</b>	24 V/4 W	<b>1 987 302 512</b>

### Accessories and spare parts

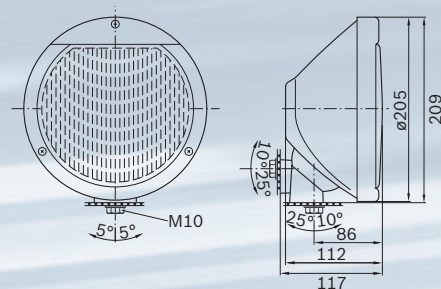
Protective cap	<b>1 300 516 018</b>
Unit, ECE, colorless	<b>1 300 334 910</b>
Colorless, Unit with Pencil beam	<b>1 305 334 908<sup>1)</sup></b>
Unit, ECE, blue	<b>1 305 334 925<sup>2)</sup></b>

<sup>1)</sup> Observe legal regulations and safety instructions.

<sup>2)</sup> Operate blue ECE version with colorless bulbs only, T4W, H3.

## Rallye 175

Xenon



**Auxiliary lamp for a wide variety of applications. Optimum homogeneous light distribution. Suitable for use in even the toughest of weather conditions.**

### Headlamp housing

Fiberglass reinforced plastic, matte black surface.

### Lens

Colorless.

### Attachment

With M10 threaded stud.

### Mounting

Upright, suspended and side-mounted with up to 90° adjustable base.

### Scope of delivery

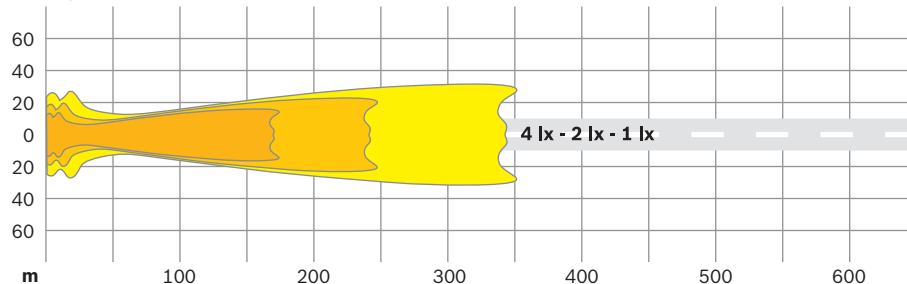
□ SB packaging, 1 headlamp with D1S gaseous-discharge lamp, control unit, electrical connecting parts, operating instructions.

### Standard

ECE approval.

### Driving lamp 12 V/55 W / Xenon

Reference number: 37,5



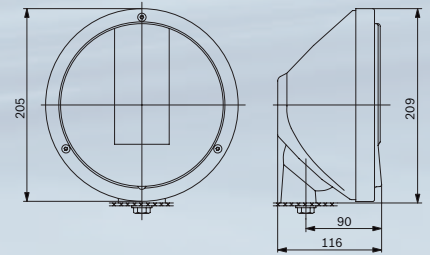
Rallye 175 Xenon	
Colorless 12 V	<b>0 986 310 674</b>

Accessories and spare parts	
Xenon control unit with 80 cm high-voltage cable 12 V	<b>0 986 310 208</b>
Relay 12 V	<b>0 332 019 150</b>

Type of bulb	
Gaseous-discharge lamp D1S, 35 W	<b>1 987 302 905</b>

## Rallye 175

Halogen



**Auxiliary lamp for a wide variety of applications. Optimum homogeneous light distribution. Suitable for use in even the toughest of weather conditions.**

### Headlamp housing

Fiberglass reinforced plastic, matte black surface.

### Lens

Colorless or blue.

### Attachment

With M10 threaded stud.

### Mounting

Upright, suspended and side-mounted with up to 90° adjustable base.

### Scope of delivery

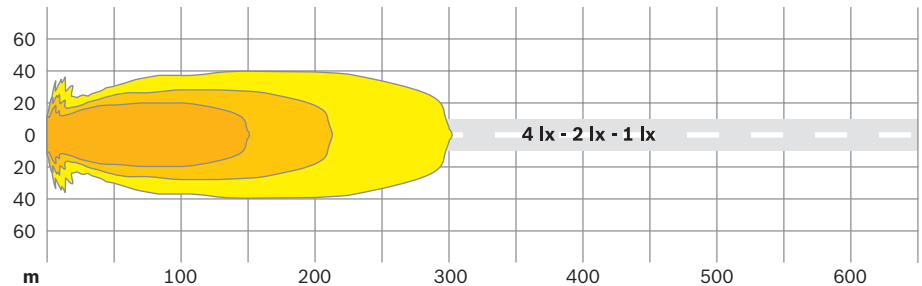
□ SB packaging, 1 headlamp with H1 halogen lamp, electrical connecting parts, operating instructions.

### Standard

ECE and SAE approval.

### Driving lamp 12 V/55 W

Reference number: 17,5



### Rallye 175

Colorless	<b>0 986 310 533</b>
Blue	<b>0 986 310 534<sup>1)</sup></b>

### Accessories and spare parts

Headlight unit, blue	<b>1 987 305 075<sup>1)</sup></b>
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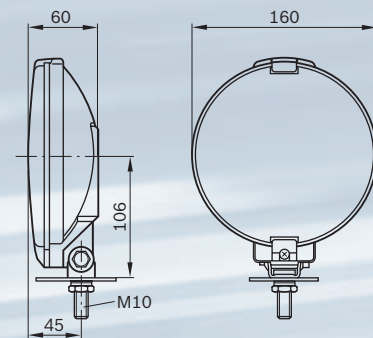
### Type of bulb

<b>H1</b>	12 V/55 W	<b>1 987 302 011</b>
<b>H1</b>	24 V/70 W	<b>1 987 302 411</b>
<b>T 4 W</b>	12 V/4 W	<b>1 987 302 207</b>
<b>T 4 W</b>	24 V/4 W	<b>1 987 302 512</b>

<sup>1)</sup> Operate blue ECE version with colorless bulbs only, T4W, H1.

## Pilot 160

Halogen



**The all-rounder for additional mounting as a driving lamp.**

**Headlamp housing**

Fiberglass reinforced polyamide housing, matte black surface.

**Lens**

Colorless.

**Attachment**

With M10 threaded stud.

**Mounting**

Optionally upright or suspended.

**Scope of delivery**

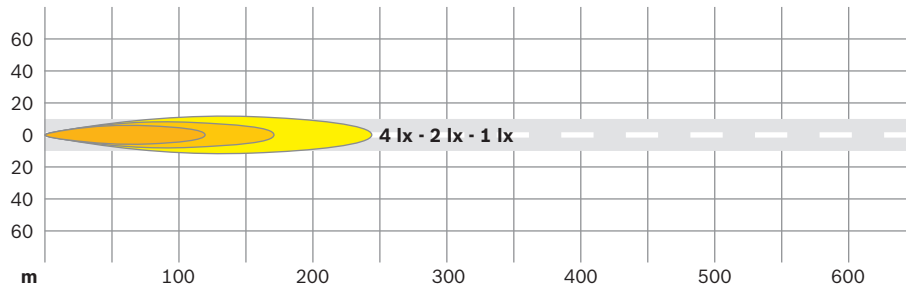
□ SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, assembly parts and installation instructions.

**Standard**

ECE and SAE approval.

**Driving lamp 12 V/55 W**

**Reference number: 17,5**



Pilot 160	
Colorless	<b>0 306 606 001</b>
yellow	<b>0 306 606 002</b>
SB packaging	<b>0 306 606 901</b> □

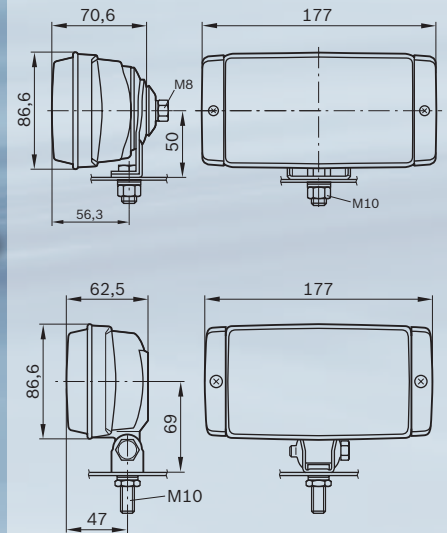
Accessories and spare parts	
Protective cap	<b>1 300 516 024<sup>1)</sup></b>
Guard	<b>1 305 501 153</b>
Driving-lamp unit, colorless	<b>1 305 334 915</b>

Type of bulb		
<b>H3</b>	12 V/55 W	<b>1 987 302 031</b>
<b>H3</b>	24 V/70 W	<b>1 987 302 431</b>

<sup>1)</sup> Observe legal regulations and safety instructions.

## Pilot 150

Halogen



**Extra-flat auxiliary lamp for vehicles with narrow bumper. Ideal for compact-class vehicles. Impact-resistant, fracture-proof and non-corroding.**

### Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

### Lens

Colorless or yellow.

### Mounting

Optionally upright, suspended and from rear.

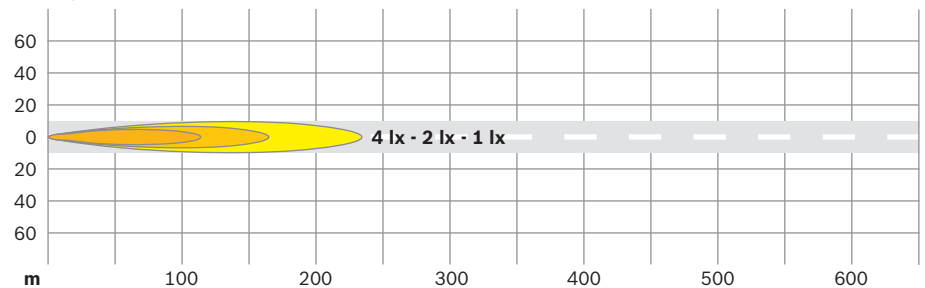
### Scope of delivery

SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, switch, assembly parts and installation instructions (driving lamp without switch).

### Standard

ECE and SAE approval.

### Driving lamp 12 V/55 W



### Pilot 150

Colorless **0 306 407 101**

### Attachment with threaded stud

Colorless **0 306 407 001**

SB packaging **0 306 407 901**

### Accessories and spare parts

Protective cap **1 300 591 096<sup>1)</sup>**

Guard **1 305 540 165**

Driving-lamp unit, colorless **1 305 354 935**

Holder for unit, colorless **1 301 091 002**

### Type of bulb

**H3** 12 V/55 W **1 987 302 031**

**H3** 24 V/70 W **1 987 302 431**

<sup>1)</sup> Observe legal regulations and safety instructions.



## Profi 210

Halogen



**Auxiliary lamp in steel housing. Robust and vibration-resistant. Scratch-resistant and non-corroding. Ideal for trucks and buses.**

### Headlamp housing

Waterproof steel housing. Version with yellow lens: Black resicoated housing.

### Lens

Colorless, yellow or blue.

### Attachment

With 2 screws at side or pivoting fastening bracket with M 10 threaded stud.

### Mounting

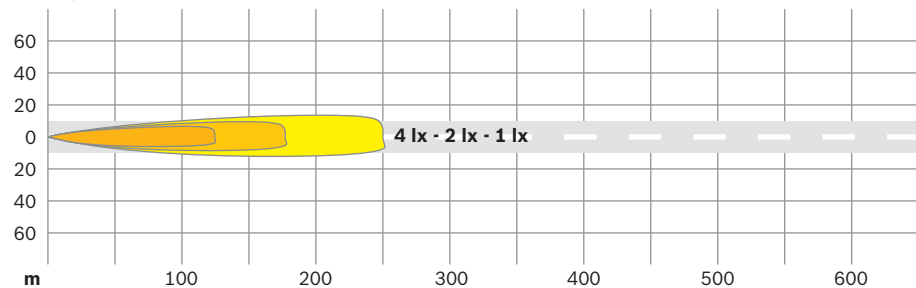
Upright and suspended.

### Standard

ECE and SAE approval.

### Driving lamp 12 V/55 W

Reference number: 17,5



Profi 210	
Colorless	<b>0 986 310 537</b>
Blue	<b>0 986 310 538</b>

Accessories and spare parts	
Protective cap	<b>1 300 591 053<sup>1)</sup></b>
Driving-lamp unit, colorless	<b>1 305 320 818</b>

Type of bulb		
<b>H3</b>	12 V/55 W	<b>1 987 302 031</b>
<b>H3</b>	24 V/70 W	<b>1 987 302 431</b>

<sup>1)</sup> Observe legal regulations and safety instructions.



## Auxiliary lamps – Fog lamps

### Range overview



**A20**

**Rallye** – Fog lamp.

Exceptionally high lighting efficiency thanks to large and deep reflector. Tried and tested in motor sport. Also available as a driving lamp.



**A21/22**

**Pilot** – Fog lamp.

Extra-flat housing. Specially designed for mounting on narrow bumpers. Version without mounting base is suitable for installation in spoiler or radiator grille. Also available as a driving lamp.



**A23**

**Profi** – Fog lamp.

Robust and resistant to vibration. Ideal for tough day-to-day use on commercial vehicles. Also available as a driving lamp.



## Information



**A total of two additional front fog lamps are permissible on each vehicle. These must be capable of being switched on and off separately from the upper and lower-beam headlamps. They may only be switched on together with the lower-beam headlamps. Adjustment is as for the main headlamps. Adjustment dimensions and statutory regulations must always be adhered to.**

There are three different optical principles for additional fog lamps:

### **Paraboloid**

A parabolic reflector reflects paraxial light (such as upper beam), which is drawn out into a horizontal band by the lens. A screen restricts the upward radiation of light.

### **Free-form technology**

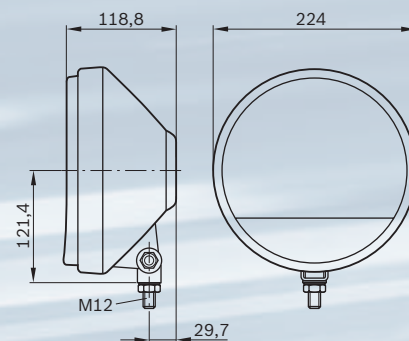
Using computer-aided calculation methods (CAL technology), reflectors are designed to scatter the light directly and at the same time produce a sharply defined light-dark cutoff. The design of the bulb surround ensures an extremely high light volume with maximum diffusion.

### **PES fog lamps**

In fog, this technology ensures a minimum of dazzle for the driver from his/her own lamps. The lens helps to ensure the best-possible light-dark cutoff contrast on the road.

## Rallye 225

Halogen



**Robust auxiliary lamp – developed for rally sport. Optimum light and best road illumination for heavy-duty applications.**

### Headlamp housing

Waterproof steel housing, black resicoated.

### Lens

Colorless. Lens aperture  $\varnothing$  205 mm.

### Attachment

With M12 threaded stud.

### Mounting

Upright.

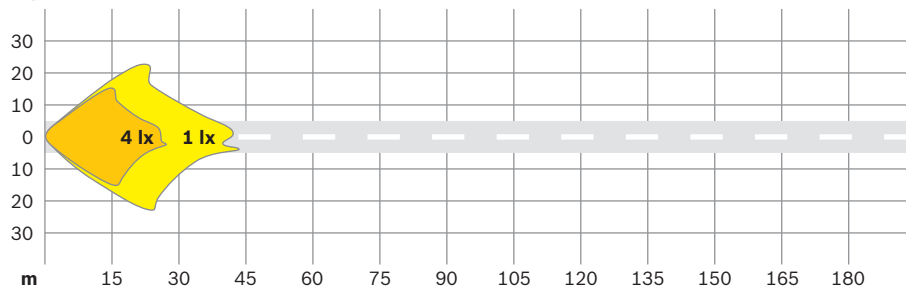
### Scope of delivery

Assembly parts included.

### Standard

ECE approval.

### Fog lamp 12 V/55 W



Rallye 225	
Colorless	<b>0 305 002 001</b>

Accessories and spare parts	
Protective cap	<b>1 300 516 018<sup>1)2)</sup></b>
Fog-lamp unit, colorless	<b>1 305 334 911</b>

Type of bulb		
<b>H3</b>	12 V/55 W	<b>1 987 302 031</b>
<b>H3</b>	24 V/70 W	<b>1 987 302 431</b>
<b>T 4 W</b>	12 V/4 W	<b>1 987 302 207</b>
<b>T 4 W</b>	24 V/4 W	<b>1 987 302 512</b>

<sup>1)</sup> Observe legal regulations and safety instructions.

<sup>2)</sup> Available while stocks last.



## Pilot 160

Halogen



**The all-rounder for additional mounting as a fog lamp.**

### Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

### Lens

Colorless or yellow.

### Attachment

With M10 threaded stud.

### Mounting

Optionally upright or suspended.

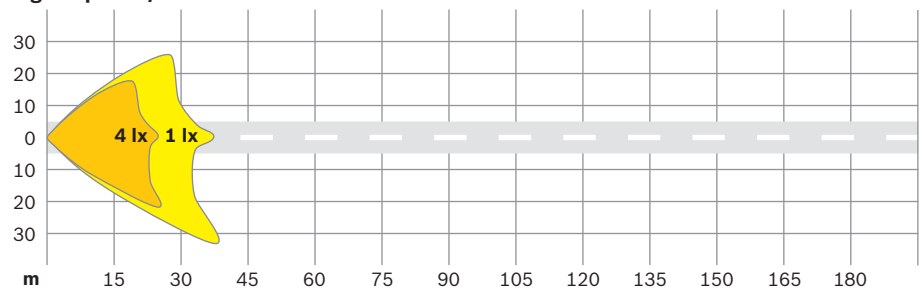
### Scope of delivery

□ SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, switch, assembly parts and installation instructions.

### Standard

ECE and SAE approval.

### Fog lamp 12 V/55 W



### Pilot 160

Colorless	<b>0 305 603 001</b>
SB packaging	<b>0 305 603 901</b> □
Yellow	<b>0 305 603 002</b>
SB packaging	<b>0 305 603 902</b> □

### Accessories and spare parts

Fog-lamp unit, colorless	<b>1 305 334 913</b>
Fog-lamp unit, yellow	<b>1 305 334 914</b>

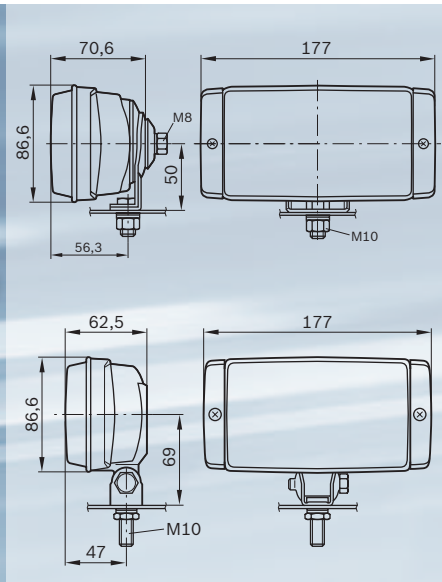
### Type of bulb

<b>H3</b>	12 V/55 W	<b>1 987 302 031</b>
<b>H3</b>	24 V/70 W	<b>1 987 302 431</b>

<sup>1)</sup> Observe legal regulations and safety instructions.

## Pilot 150

Halogen



**Extra-flat auxiliary lamp for vehicles with narrow bumper. Ideal for compact-class vehicles. Impact-resistant, fracture-proof and non-corroding.**

### Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

### Lens

Colorless or yellow.

### Mounting

Optionally upright, suspended and from rear.

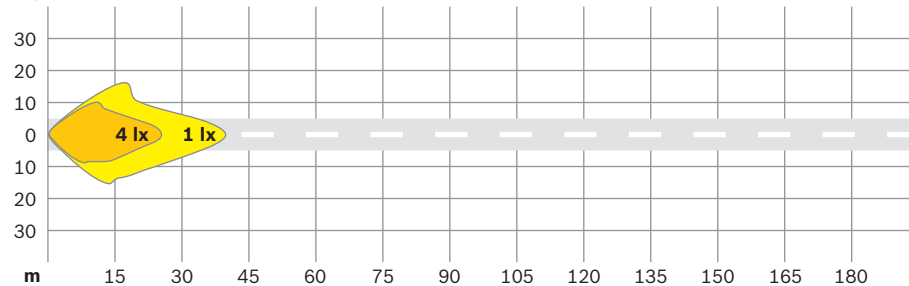
### Scope of delivery

□ SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, assembly parts and installation instructions.

### Standard

ECE and SAE approval.

### Fog lamp 12 V/55 W



### Pilot 150

#### Mounting from rear or upright and suspended with fastening bracket

Colorless **0 305 406 101**

with hardened lens **0 305 406 105**

#### Attachment with threaded stud

Colorless **0 305 406 001**

SB packaging **0 305 406 901** □

Yellow **0 305 406 002**

SB packaging **0 305 406 902** □

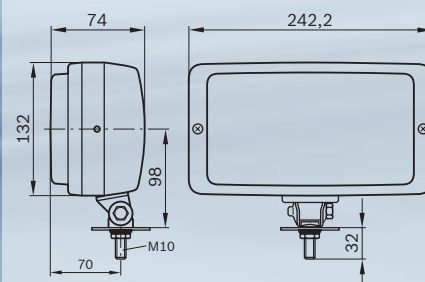
#### Type of bulb

**H3** 12 V/55 W **1 987 302 031**

**H3** 24 V/70 W **1 987 302 431**

## Profi 210

### Halogen



**Fog lamp in steel housing. Robust and vibration-resistant. Scratch-resistant and non-corroding. Ideal for trucks and buses.**

#### Headlamp housing

Waterproof steel housing.

#### Lens

Colorless or yellow.

#### Attachment

Pivoting fastening bracket with M10 threaded stud.

#### Mounting

Upright and suspended.

#### Standard

ECE approval.

#### Profi 210

Colorless	<b>0 986 310 539</b>
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#### Accessories and spare parts

Protective cap	<b>1 300 591 053<sup>1)</sup></b>
Fog-lamp unit, colorless	<b>1 305 320 816</b>

#### Type of bulb

<b>H3</b>	12 V/55 W	<b>1 987 302 031</b>
<b>H3</b>	24 V/70 W	<b>1 987 302 431</b>

<sup>1)</sup> Observe legal regulations and safety instructions.

## Flood and spot lamps

### Range overview



**A30**

**LED 135** – The innovative LED135 floodlamp and spot lamp ensures unbeatable light efficiency and a long service life.



**A31/32/33/38**

**Pilot 100, Pilot 135, Pilot 155** – Halogen floodlamps and spot lamps Efficient and suitable for all applications. Optionally available with one (single beam) or two (double beam) light sources.



**A34/35/36  
A37/39**

**Pilot 140, Pilot 145, Pilot 150, Pilot 160** – Halogen floodlamps and spot lamps, available in a wide range of designs.



**A40**

**Pilot X** – The most compact, most powerful xenon floodlamp in its class.



**A41**

**Profi** – Exceptionally robust flood lamp, complete with guard.



**A42**

**Kiruna 140** – Flood lamp, with option of handle and switch.



## Information



### Flood lamps

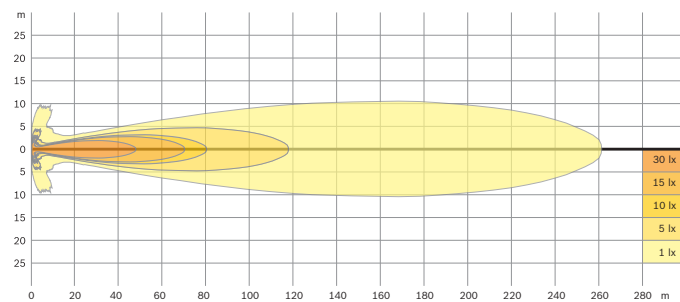
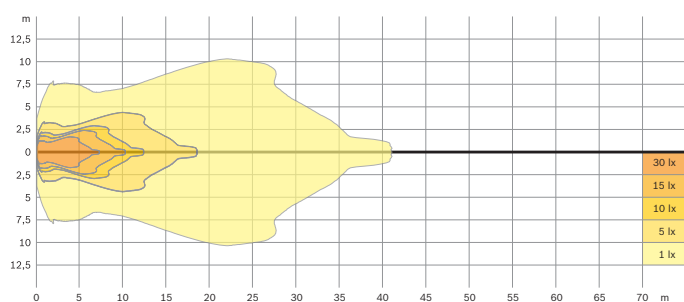
Flood lamps are used for illuminating stationary or mobile workplaces. Their robust design makes flood lamps particularly well suited for mounting on commercial vehicles and opens up a wide variety of applications. Flood lamps are widely used in construction, agriculture and forestry, transport, municipal services, by the emergency services and in shipping.

**Flood lamps feature large, uniform light distribution. This allows a large working area to be illuminated at close range.**

### Spot lamps

The densely concentrated light from a spot lamp is ideal when there is a need for targeted illumination of an object from a long distance. For example, spot lamps are used by the police, by fire brigades, and for technical assistance and emergency services. However, a spot lamp can also be useful in other specialist areas where there is a need for a strong searchlight, for example inland waterways for illuminating canals, locks or landing stages.

**A spot lamp produces a narrow beam of concentrated high-intensity light, effectively illuminating a specific area at long range.**





## Flood and spot lamps



### When you need to turn night into day

Anyone who has to work on vehicles at night or in poor daytime lighting conditions needs extra illumination of their working area. Standard sources of light are in no way adequate

### The right lamps for every application

Bosch supplies a wide range of different flood lamps and spot lamps to suit every purpose. Flood lamps are used in situations requiring a broad light beam for uniform illumination of a large area.

By contrast, spot lamps provide a narrow beam of light for the concentrated illumination of a smaller, more distant area. Flood lamps and spot lamps feature a compact construction, which enables them to be easily mounted at various positions on a vehicle.

They also offer impressive flexibility: They can be swiveled to numerous positions and securely fixed at every point.

### Top quality makes light of hard work

Many years' experience, continuous testing and strict production controls guarantee the premium quality of all flood lamps and spot lamps from Bosch. Outstanding quality features:

- ▶ High light yield thanks to reflects with a surface accuracy of 1/10,000 mm, ground using a special reflection method and smoothed by multiple lacquer coats
- ▶ Exceptionally vibration resistant and durable designs for tough applications
- ▶ Easy service construction for uncomplicated replacement of bulbs
- ▶ Vibration-damped versions available
- ▶ Splash-proof design

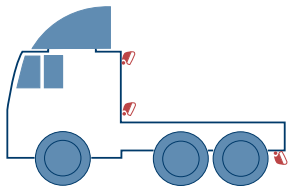
## Attachment examples



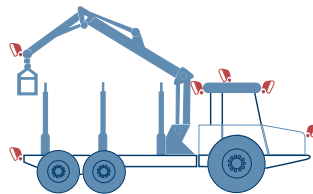
Bosch supplies a wide range of different lamp models. The sturdy attachment mechanism allows a variety of positions to suit different vehicle models and types. Extremely flexible angular adjustment to the front, rear and sides adds yet more application potential.



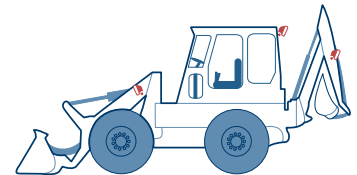
## Optimum illumination for every application



Commercial vehicles / semi-trailer tractors



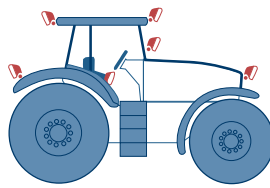
Forestry machines



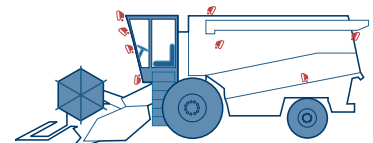
Wheel loaders / excavators



Fork-lift trucks



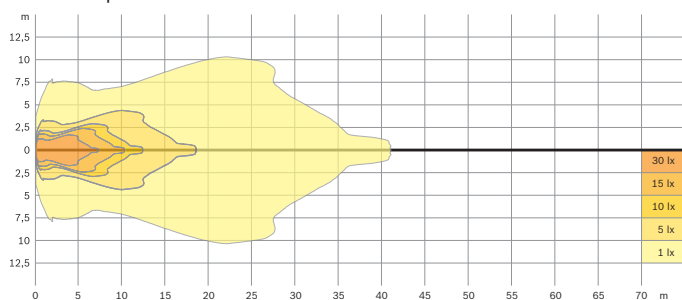
Tractors



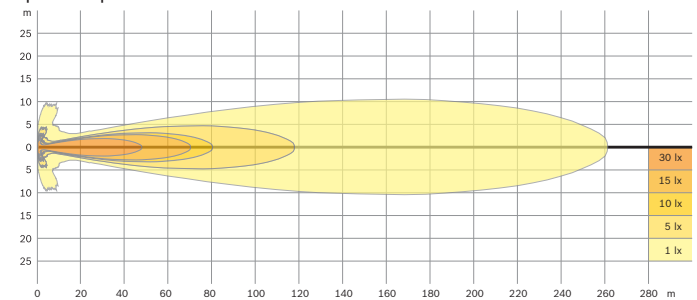
Combine harvesters

## For every application the right lamps

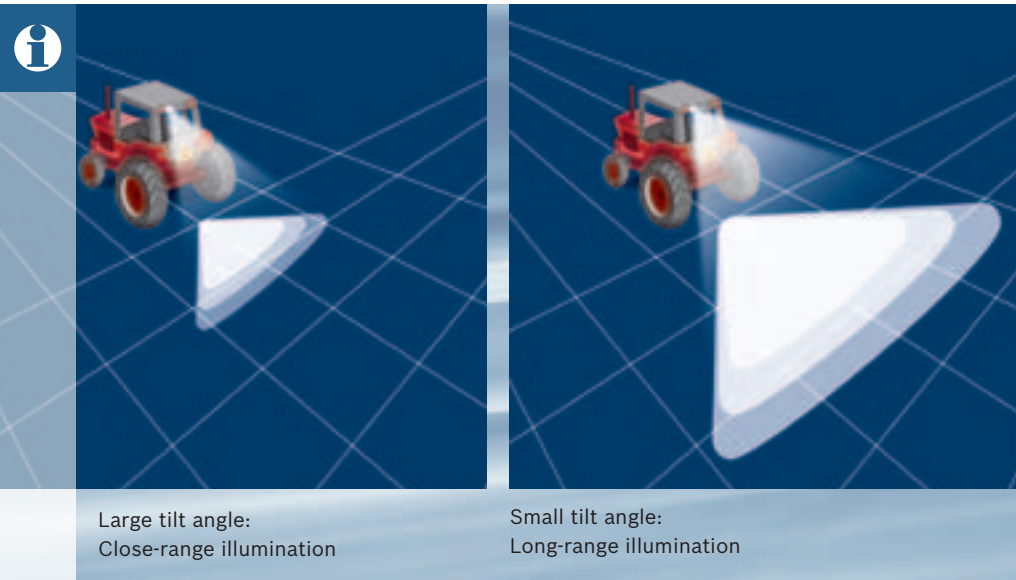
Flood lamp



Spot lamp



## Ideal illumination IP degrees of protection



### Ideal illumination! Practical hints

The attachment height and tilt angle are the critical parameters for obtaining optimum illumination with a flood lamp. The greatest area of illumination can be achieved with a small tilt angle (approx. 5°) and a high attachment position (approx. 2.5 m). Individual settings can be made to suit the relevant application.

Large tilt angle:  
Close-range illumination

Small tilt angle:  
Long-range illumination

## IP degrees of protection

### Safety you can rely on

Bosch places great emphasis on high quality materials and workmanship. These are essential for the reliable, long-term operation of products. An important indicator of the loads to which a lamp unit can be subjected is provided by the IP degree of protection (International Protection). IP degrees of protection specify the amount of protection afforded to electrical equipment by a housing. Various tests are performed to determine the exact degree of protection.

### Two levels of protection are tested

Protection against the ingress of solid foreign matter (including dust), indicated by the first figure. Secondly, protection against the ingress of water, indicated by the second figure.

The structure of IP degrees of protection is as follows:

1st figure and supplementary K	Protection of electrical equipment against ingress
0	Not protected
1	Protection against foreign matter $\varnothing \geq 50$ mm
2	Protection against foreign matter $\varnothing \geq 12,5$ mm
3	Protection against foreign matter $\varnothing \geq 2,5$ mm
4	Protection against foreign matter $\varnothing \geq 1,0$ mm
5K	Dust protected
6K	Dust proof

2nd figure and supplementary K	Protection of electrical equipment against ingress
0	Not protected
1	Protection against vertical drops
2	Protection against drops from 15° angle
3	Protection against sprayed water
4	Protection against splash water
4K	Protection against splash water with increased pressure
5	Protection against water jets
6	Protection against strong water jets
6K	Protection against strong water jets with increased pressure
7	Protection against temporary immersion
9	Protection against temporary submersion
9K	Protection against high pressure/vapor pressure cleaning

## LED lamps from Bosch

### A big safety boost



Anyone who has ever worked at night or in poor lighting conditions knows how important good lighting is. Particularly in automotive engineering, LED technology opens up totally new horizons in providing more targeted and efficient lighting. For example, Bosch has developed the new LED 135 flood lamp and spot lamp. Even better visibility, enhanced safety and added convenience.



#### Tailored to your requirements

Bosch LED flood lamps deliver a broad and uniformly distributed light cone in the close-up range, Bosch LED spot lamps, meanwhile, provide a directed beam of concentrated bright light. Both feature a color temperature similar to daylight, easing the strain on the eyes and ensuring a pleasant working atmosphere.

#### Low power consumption

Bosch LED flood lamps feature minimal energy consumption. This is particularly beneficial where the alternator only provides a small amount of power or, for example on electric fork-lift trucks or special purpose vehicles, where a battery supplies the power.

#### Long service life and zero maintenance

Flood lamps often need to be used throughout the night. This would place huge demands on any lamps based on conventional technology. LED flood lamps from Bosch can comfortably cope with continuous use. They offer an impressively long service life thanks to the low power consumption and the small amount of heat generated. They are also maintenance free, which means that there is no need for troublesome bulb changes.

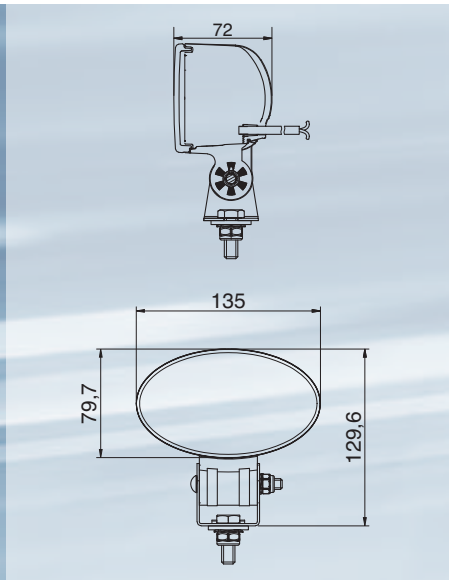
#### For the toughest conditions

Flood lamps and spot lamps need to be able to withstand plenty of punishment in day-to-day use. Which is why Bosch makes them exceptionally durable. The housing, attachments and supply lines feature high quality materials and painstaking workmanship. Bosch LED lamps also have another technical advantage: Their LEDs are much less sensitive, particularly to vibrations, than conventional bulbs. This durability also includes all of the electronics used in the Bosch LED lamps. By choosing Bosch, you can count on exceptional reliability and a long service life.

## LED 135

Flood and spot lamps

LED



The Bosch LED 135 offers more than just superb light yield. The long service life of the entire lamp and its low power consumption make it the ideal working solution wherever there are stringent requirements in terms of additional lighting. The flood lamp has six high powered LEDs, the spot lamp seven (740 or 1,020 lumens). Available in 12 or 24 Volt versions. Protection category IP67.

### Lamp housing

Aluminum,  
Dimensions: 80 mm x 135 mm x 72 mm.

### Attachment

ffUpright or suspended options available.

### Mounting

ffWith swivel type forked holder for mounting on body or bumper Stud M 10.

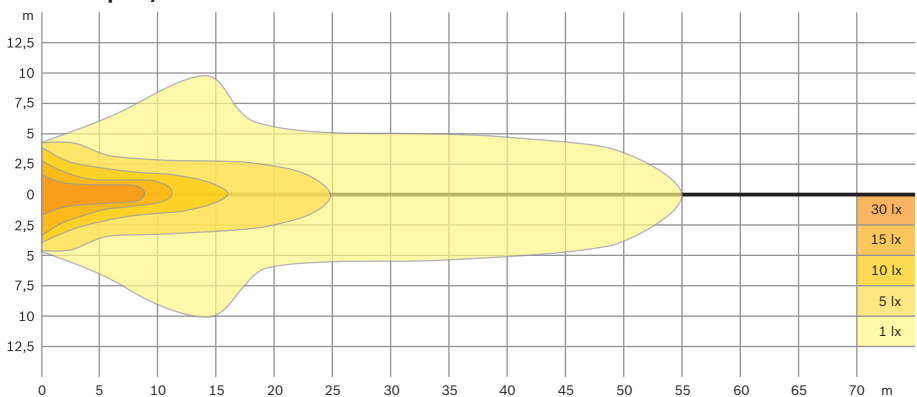
### Electrical connection

Cable connection.

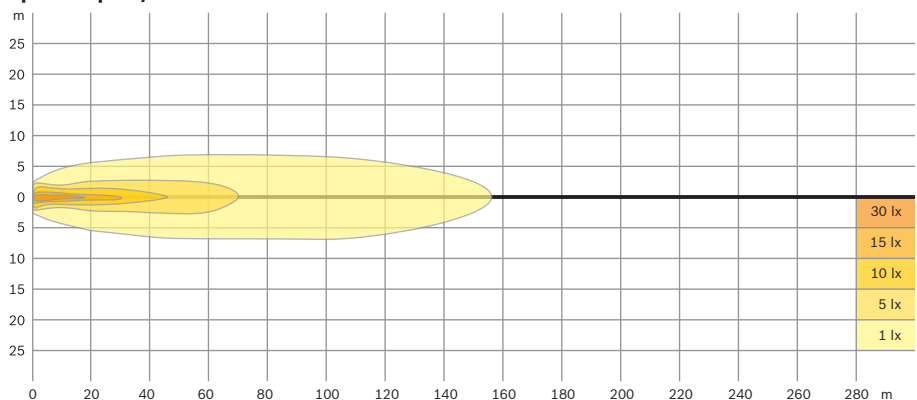
### Scope of delivery

Individual packaging:  
1 lamp including mounting parts.

### Flood lamp 12/24 V



### Spot lamp 12/24 V



① Flood lamp LED 135  
12/24 V 0 986 310 960

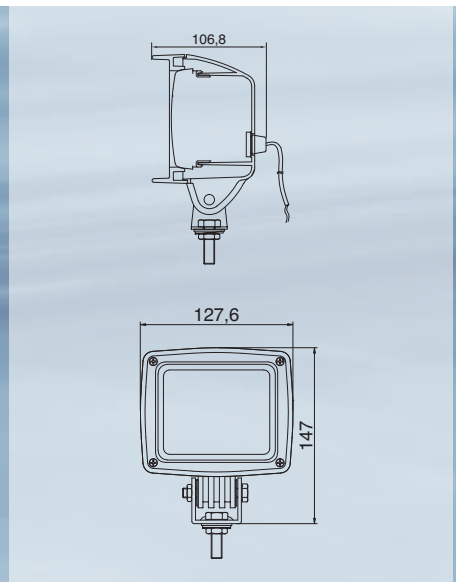
② Spot lamp LED 135  
12/24 V 0 986 310 961



# Pilot 100

Flood and spot lamps

Halogen



**Halogen technology offers impressive value for money. The Pilot lamps have a compact design and a huge range of possible applications. Suitable for use as a flood or spot lamp depending on application. For 12 V with 55 W output or 24 V with 70 W available in protection category IP4K and IP6K9K..**

**Lamp housing**

Glassfiber reinforced plastic  
Dimensions: 147 mm x 128 mm x 107 mm.

**Attachment**

Upright.

**Mounting**

Stainless steel bracket  
With swivel type forked holder for mounting on body or bumper, M 10 studs.

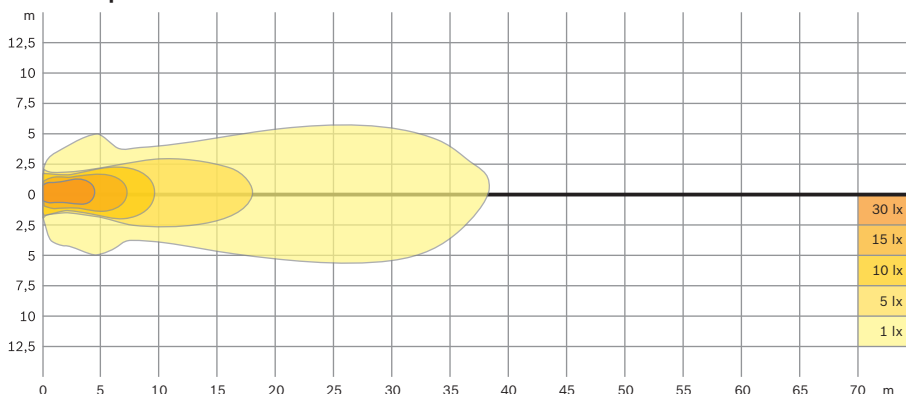
**Electrical connection**

Cable connection.

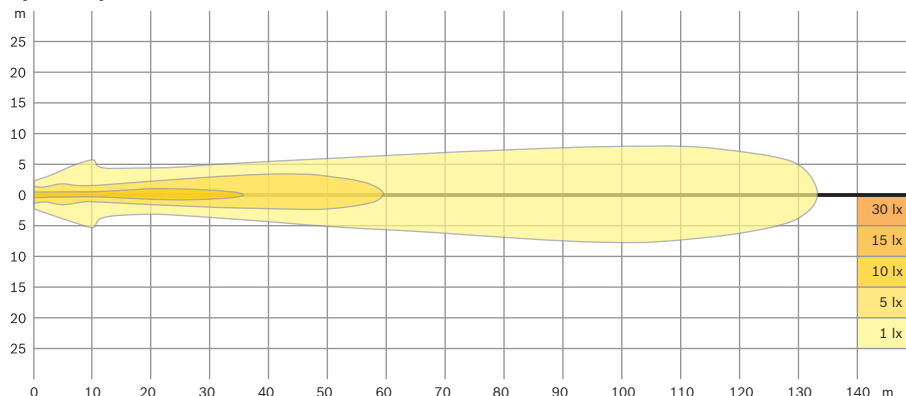
**Scope of delivery**

Individual packaging:  
1 lamp including mounting parts.

**Flood lamp**



**Spot lamp**



Type of bulb		
H3	12 V/55 W	<b>1 987 302 031</b>
H3	24 V/70 W	<b>1 987 302 431</b>

① Flood lamp Pilot 100	
12 V IP4K	<b>0 986 310 930</b>
12 V IP6K9K	<b>0 986 310 932</b>

② Spot lamp Pilot 100	
12 V IP4K	<b>0 986 310 931</b>
12 V IP6K9K	<b>0 986 310 933</b>

**Pilot 135** Single Beam  
Flood and spot lamps  
Halogen



For everyone who needs plenty of light but doesn't have much space for auxiliary lamps. Single beam design, i.e. with one light source. Choice of flood lamp with broad light cone or spot lamp with narrow light cone and a longer range. For 12 V with 55 W output or 24 V with 70 W. Protection category IP6K9K.

**Lamp housing**

Glassfiber reinforced plastic  
Dimensions: 128 mm x 162 mm x 80 mm.

**Attachment**

Upright.

**Mounting**

With swivel type forked holder for mounting on body or bumper, M 10 studs.

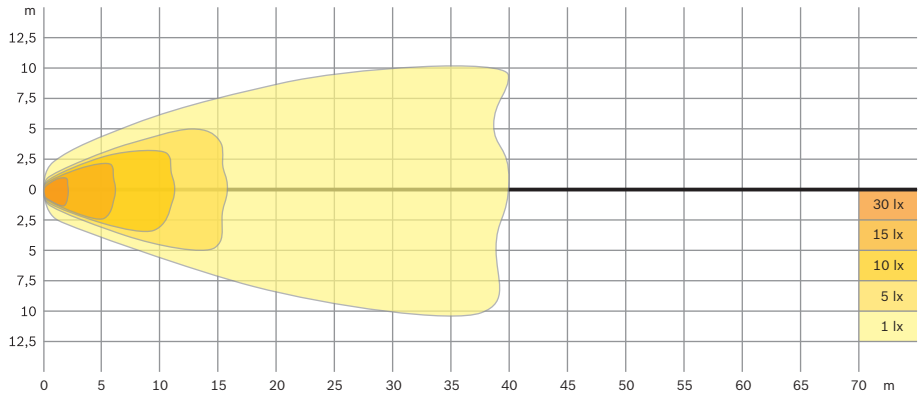
**Electrical connection**

Cable connection.

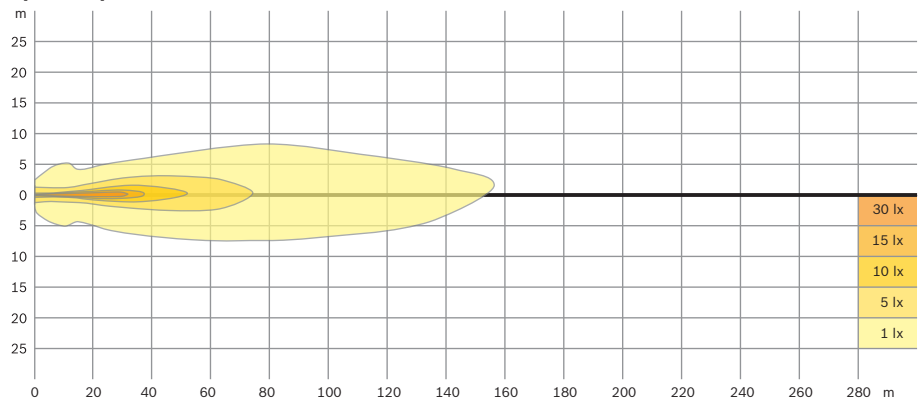
**Scope of delivery**

Individual packaging:  
1 lamp including mounting parts

**Flood lamp**



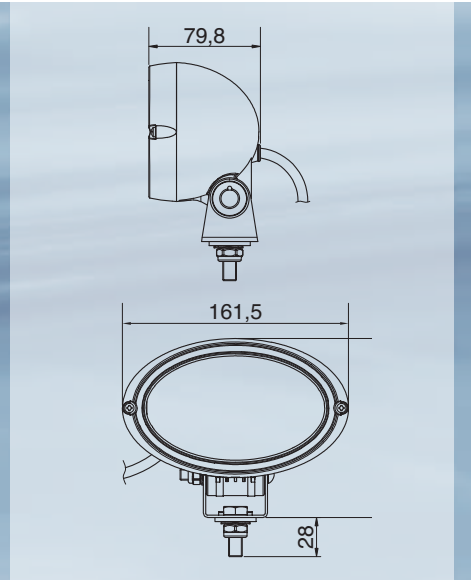
**Spot lamps**



<b>① Flood lamp Pilot 135</b>	
Single Beam	<b>0 986 310 936</b>
<b>② Spot lamp Pilot 135</b>	
Single Beam	<b>0 986 310 937</b>

<b>Type of bulb</b>		
<b>H3</b>	12 V/55 W	<b>1 987 302 031</b>
<b>H3</b>	24 V/70 W	<b>1 987 302 431</b>

**Pilot 135** Double Beam  
Flood and spot lamps  
Halogen



For everyone who needs plenty of light but doesn't have much space for auxiliary lamps. Double beam design, i.e. with two light sources. Choice of flood lamp with broad light cone or spot lamp with narrow light cone and a longer range. For 12 V with 55 W output or 24 V with 70 W. Protection category IP6K9K.

**Lamp housing**

Glassfiber reinforced plastic  
Dimensions: 128 mm x 162 mm x 80 mm.

**Attachment**

Upright.

**Mounting**

With swivel type forked holder for mounting on body or bumper, M 10 studs.

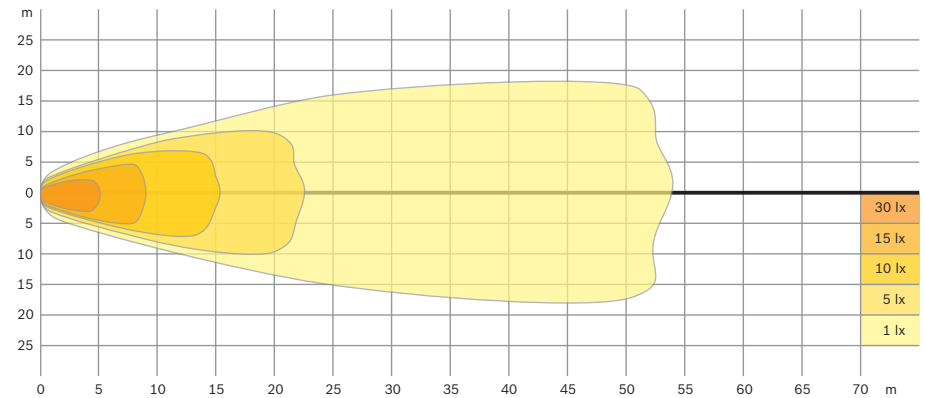
**Electrical connection**

Cable connection.

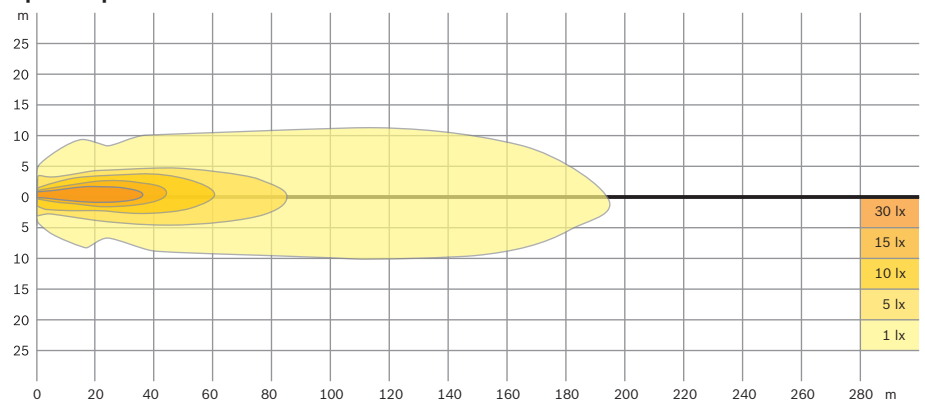
**Scope of delivery**

Individual packaging:  
1 lamp including mounting parts

**Flood lamp**



**Spot lamps**



**① Flood lamp Pilot 135**

Double Beam **0 986 310 938**

**② Spot lamp Pilot 135**

Double Beam **0 986 310 939**

**Type of bulb**

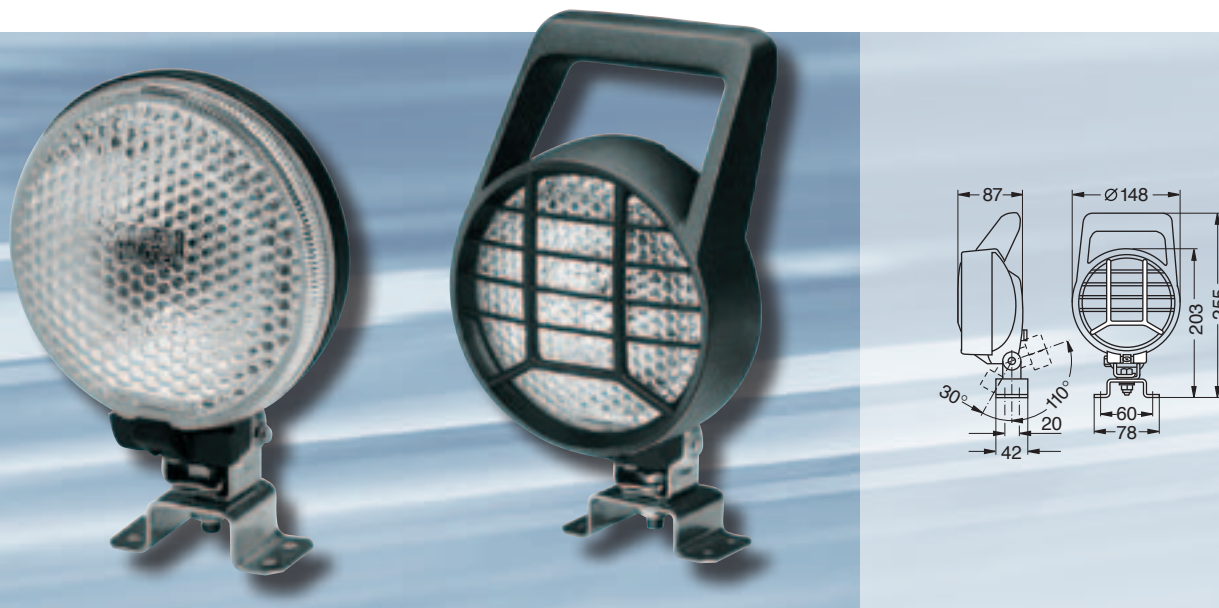
**H3** 12 V/55 W **1 987 302 031**

**H3** 24 V/70 W **1 987 302 431**

## Pilot 140

### Flood lamp

### Halogen



**Waterproof flood lamp, available with or without practical handle and guard. For heavy-duty applications.**

#### Headlamp housing

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding and fracture-proof.

#### Lens

Colorless lens, with waterproof bonding to reflector.

#### Mounting

Optionally upright or suspended.

#### Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M 6 bolts

#### Pivoting range

30° forwards, 110° to rear, 360° lateral.

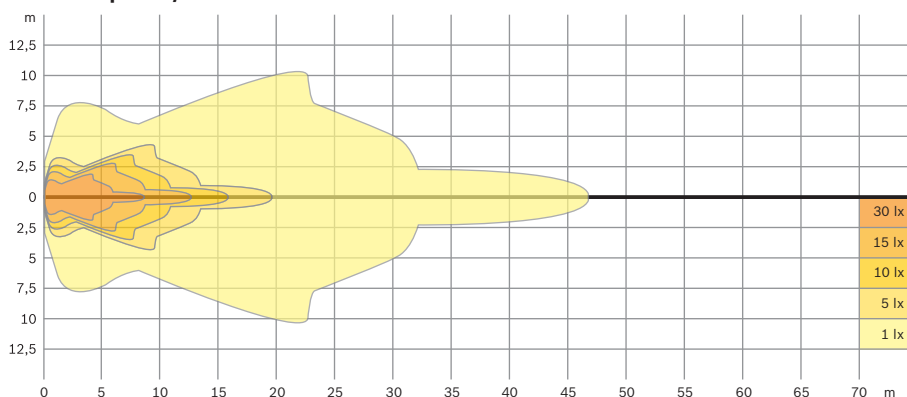
#### Electrical connection

Two-pole, blade-terminal connections, cable entry through splash-proof rubber grommet.

#### Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately.

#### Flood lamp 12 V/55 W



#### Pilot 140

Without handle, without guard	<b>0 306 481 001</b>
Without handle, without guard, ring-shaped bulb cover	<b>0 306 481 002</b>
With handle and guard	<b>0 306 481 004</b>

#### Accessories and spare parts

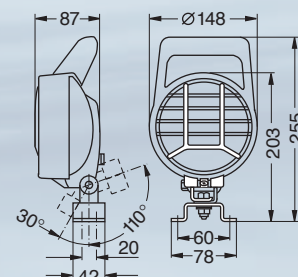
Guard without handle (for ...001)	<b>1 305 501 121</b>
Headlight unit	<b>1 305 301 918</b>
Fastening bracket	<b>1 307 022 236</b>

#### Type of bulb

<b>H3</b>	12 V/55 W	<b>1 987 302 031</b>
<b>H3</b>	24 V/70 W	<b>1 987 302 431</b>

## Pilot 140

Spot lamp  
Halogen



### Spot lamp version with handle and guard. For heavy-duty applications.

#### Headlamp housing

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding and fracture-proof.

#### Lens

Colorless lens, with waterproof bonding to reflector.

#### Mounting

Optionally upright or suspended.

#### Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M 6 bolts

#### Pivoting range

30° forwards, 110° to rear, 360° lateral.

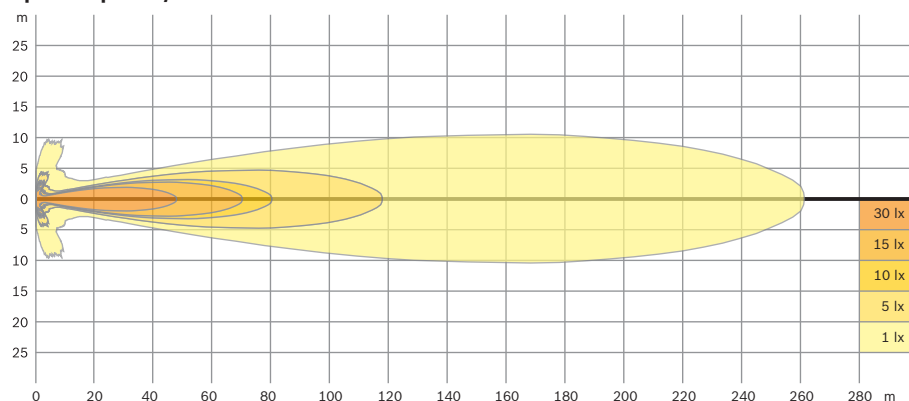
#### Electrical connection

Two-pole, blade-terminal connections, cable entry through splash-proof rubber grommet.

#### Scope of delivery

In single pack: 1 lamp with assembly parts.  
Halogen H3 bulb to be ordered separately.

### Spot lamp 12 V/55 W



#### Pilot 140

With handle and guard **0 306 481 003**

#### Accessories and spare parts

Headlight unit **1 305 301 917**

Fastening bracket **1 307 022 236**

#### Type of bulb

**H3** 12 V/55 W **1 987 302 031**

**H3** 24 V/70 W **1 987 302 431**



## Pilot 145

### Flood lamp

### Halogen



**Versatile flood lamp for a wide range of applications. Available with or without handle and with or without fastening bracket.**

#### Headlamp housing

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding and fracture-proof.

#### Lens

Colorless lens, with waterproof bonding to reflector.

#### Mounting

Optionally upright or suspended.

#### Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M6 bolts or pivoting, corrosion-resistant M10 threaded studs.

#### Pivoting range

30° forwards, 110° to rear, 360° lateral.

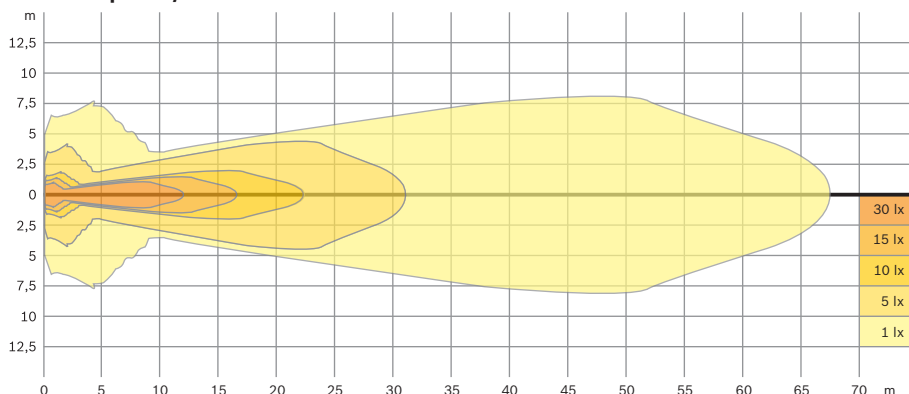
#### Electrical connection

Two-pole, blade-terminal connections, cable entry through splash-proof rubber grommet.

#### Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately.

#### Flood lamp 12 V/55 W



#### Pilot 145

With fastening bracket **0 306 482 001**

Without fastening bracket **0 306 482 010**

With handle, frame and fastening bracket **0 306 482 003**

#### Accessories and spare parts

Headlight unit **1 305 354 911**

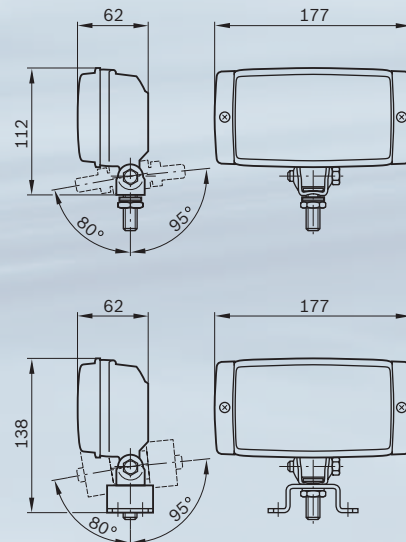
#### Type of bulb

**H3** 12 V/55 W **1 987 302 031**

**H3** 24 V/70 W **1 987 302 431**

## Pilot 150

Flood lamp  
Halogen



**Flood lamp with and without pivoting fastening bracket for flexible mounting**  
**Universal application range. Optimum homogeneous light distribution.**

### Headlamp housing

Fiberglass reinforced plastic, matte black surface.

### Headlight unit

Interchangeable.

### Mounting

Upright and suspended.

### Attachment

With pivoting forked holder for mounting on body or bumper

### Pivoting range

80° forwards, 95° to rear, 360° lateral.

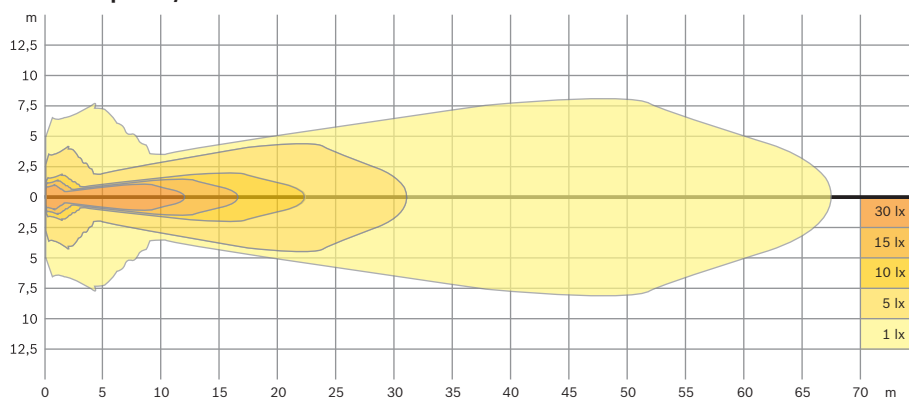
### Electrical connection

Blade terminal and grommet.

### Scope of delivery

In single pack: 1 lamp with assembly parts.  
Halogen H3 bulb to be ordered separately.

### Flood lamp 12 V/55 W



### Pilot 150

With forked holder **0 306 484 001**

With fastening bracket **0 306 484 002**

### Accessories and spare parts

Headlight unit **1 305 354 911**

Holder for unit **1 301 091 002**

Fastening bracket **1 307 022 236**

Guard **1 305 540 165**

### Type of bulb

**H3** 12 V/55 W **1 987 302 031**

**H3** 24 V/70 W **1 987 302 431**

## Pilot 155

Flood and spot lamps

Halogen



**Ideal for anyone with special requirements for their flood or spot lamps. Double beam design, i.e. with two light sources. For 12 V with 55 W output or 24 V with 70 W. Protection category IP6K9K.**

**Lamp housing**

Glassfiber reinforced plastic  
Dimensions: 121 mm x 174 mm x 83 mm.

**Attachment**

Upright.

**Mounting**

With swivel type forked holder for mounting on body or bumper, M 10 studs.

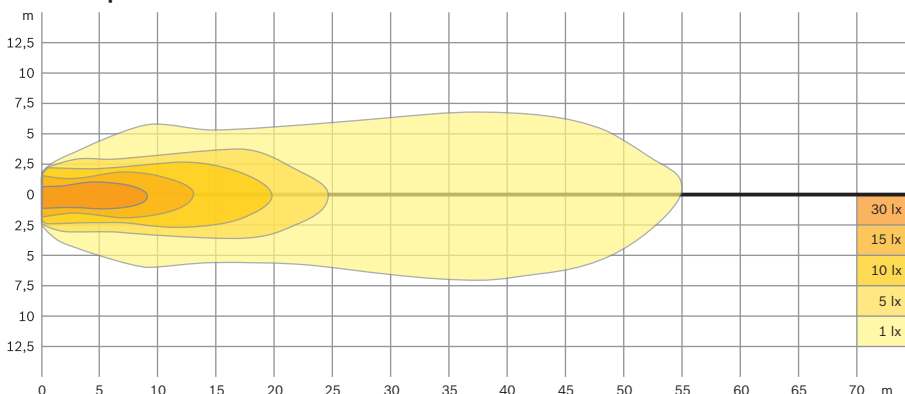
**Electrical connection**

Cable connection.

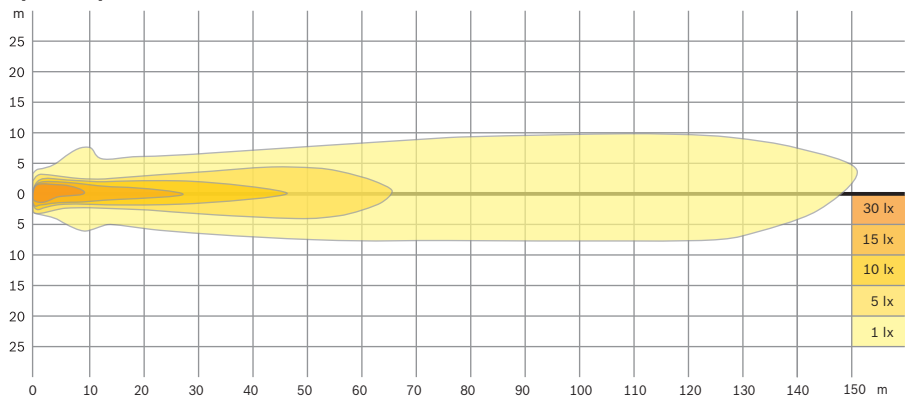
**Scope of delivery**

Individual packaging:  
1 lamp including mounting parts.

**Flood lamp**



**Spot lamp**



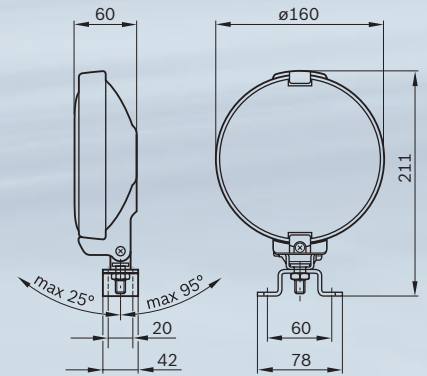
<b>① Flood lamp Pilot 155</b>	
Double Beam	<b>0 986 310 934</b>
<b>② Spot lamp Pilot 155</b>	
Double Beam	<b>0 986 310 935</b>

<b>Type of bulb</b>		
<b>H3</b>	12 V/55 W	<b>1 987 302 031</b>
<b>H3</b>	24 V/70 W	<b>1 987 302 431</b>

## Pilot 160

### Flood lamp

### Halogen



**Flood lamp with fastening bracket for flexible installation. Universal application range. Optimum homogeneous light distribution.**

#### Headlamp housing

Fiberglass reinforced plastic, matte black surface.

#### Headlight unit

Interchangeable.

#### Mounting

Upright and suspended.

#### Attachment

With pivoting forked holder for mounting on body or bumper

#### Pivoting range

25° forwards, 95° to rear, 360° lateral.

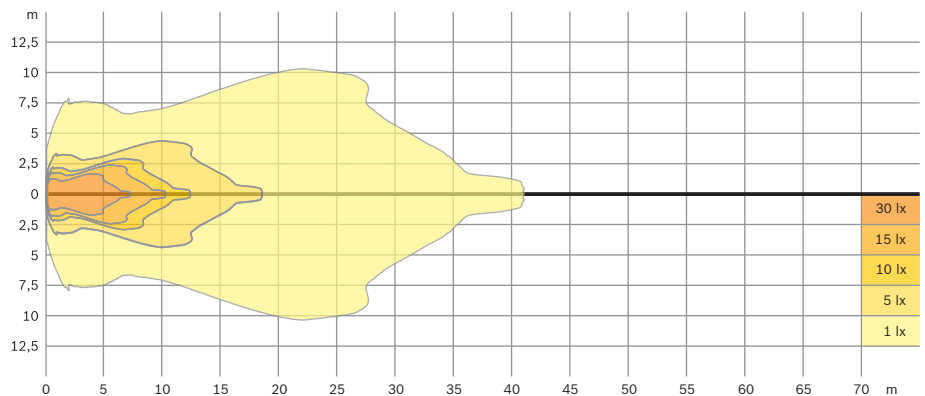
#### Electrical connection

Cable entry through grommet for single cores.

#### Scope of delivery

Individual packaging: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately.

#### Flood lamp 12 V/55 W



#### Pilot 160

**0 306 680 001**

#### Accessories and spare parts

Holder for unit **1 301 091 004**

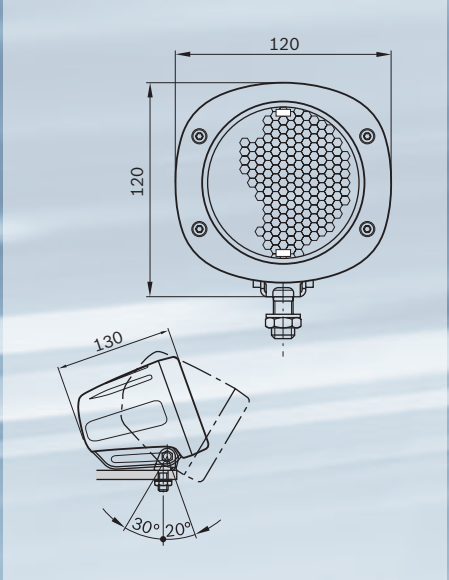
Fastening bracket **1 307 022 236**

#### Type of bulb

**H3** 12 V/55 W **1 987 302 031**

**H3** 24 V/70 W **1 987 302 431**

**Pilot X**  
Flood lamp  
Xenon



The most compact Xenon flood lamp of its type is now available with even more power: 45 Watt of Xenon light similar to daylight. Around 2.5x more light yield than halogen bulbs, around 1/3 lower energy consumption and a longer service life. Integrated D1-type control unit. Protection category IP4K.

**Headlamp housing**

Fiberglass reinforced plastic. Corrosion-resistant. Dimensions: 130 x 120 x 120 mm.

**Mounting**

Optionally upright or suspended.

**Attachment**

Pivoting, corrosion-resistant M10 threaded stud.  
Pivoting range 20° forwards, 30° to rear, 360° lateral.  
Adjustable by 6 cm in longitudinal axis.

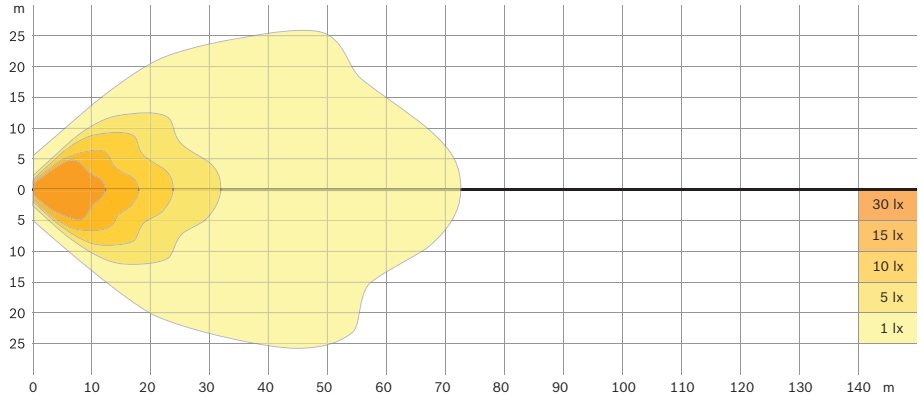
**Electrical connection**

Connector: 15 cm (mobile).

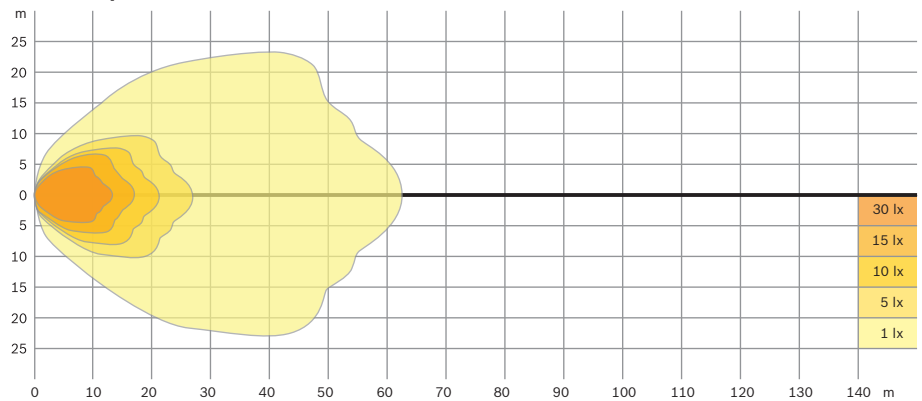
**Scope of delivery**

Xenon gaseous-discharge lamp, igniter, Xenon control unit. Completely pre-assembled, ready to connect.

**Flood lamp 45 W**



**Flood lamp 35 W**



Flood lamp Pilot X	
12 V/45 W	<b>0 986 310 678</b>
24 V/45 W	<b>0 986 310 677</b>
12 V/35 W	<b>0 986 310 676</b>
24 V/35 W	<b>0 986 310 675</b>

Accessories and spare parts	
Controller 12 V/45 W	<b>0 986 310 213</b>
Controller 24 V/45 W	<b>0 986 310 212</b>
Controller 12 V/35 W	<b>0 986 310 211</b>
Controller 24 V/35 W	<b>0 986 310 209</b>
Reflector	<b>1 987 305 079</b>

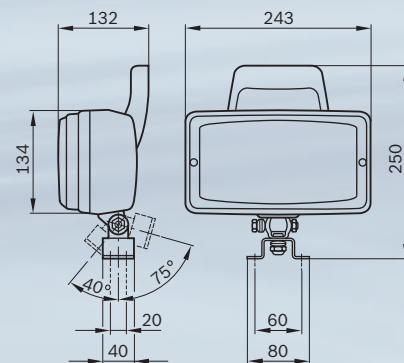
Accessories and spare parts	
Lens including O-ring	<b>1 987 305 108</b>
Cable 1.000 mm, blue	<b>1 987 305 109</b>
Type of bulb	
<b>D1S</b> 12/24 V / 45 W/35 W	<b>1 987 302 031</b>



## Profi 210

### Flood lamp

### Halogen



**Extremely robust with impact-resistant plastic guard. Optionally with handle and switch.**

#### Headlamp housing

Steel, black-resicoated, scratch-resistant and non-corroding. Outer rim made of Fiberglass reinforced polyamide, matte black, impact-resistant and fracture-proof.

#### Lens

Colorless lens, with waterproof bonding to reflector.

#### Mounting

Upright and suspended.

#### Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M 6 bolts

#### Pivoting range

40° forwards, 75° to rear, 360° lateral.

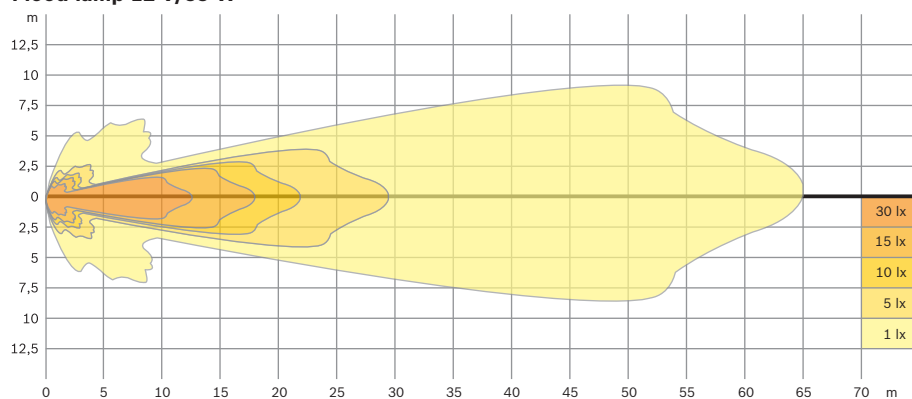
#### Electrical connection

Single pole (separate ground connection provided), blade-terminal connections, cable entry through rubber grommet.

#### Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately. With guard.

#### Flood lamp 12 V/55 W



#### Profi 210

With handle and switch **0 306 080 002**

Without handle, without switch **0 306 080 003**

#### Accessories and spare parts

Guard **1 305 540 933**

Fastening bracket **1 307 022 236**

#### Type of bulb

**H3** 12 V/55 W **1 987 302 031**

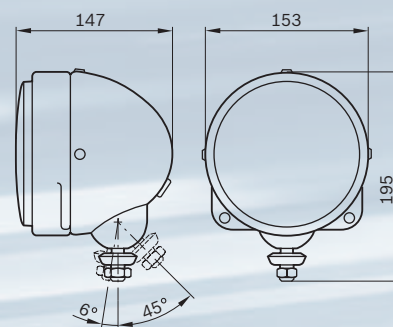
**H3** 12 V/100 W **1 987 302 036**

**H3** 24 V/70 W **1 987 302 431**

## Kiruna 140

### Flood lamp

### Halogen



#### Vibration-resistant flood lamp for heavy-duty applications.

#### Headlamp housing

Steel, black-resicoated, scratch-resistant and non-corroding.

#### Headlight unit

Reflector has watertight bond to lens and is mounted in housing with vibration absorbing rubber ring. This results in low transmission of vibration.

#### Lens

Colorless lens with rectangular fluting.

#### Mounting

Optionally upright or suspended on horizontal, vertical or angled surfaces.

#### Attachment

Pivoting, non-corroding M12 threaded stud.

#### Pivoting range

6° forwards, 45° to rear, 360° lateral.

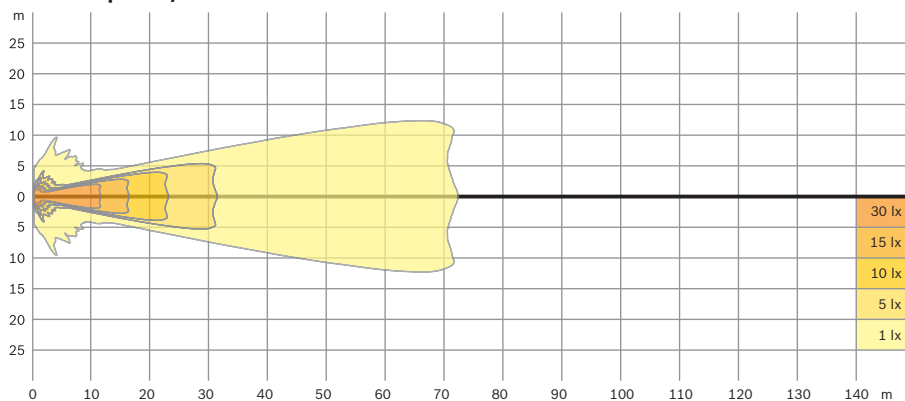
#### Electrical connection

Single-pole, blade-terminal connection, cable entry through rubber grommet.

#### Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H1 bulb to be ordered separately.

#### Flood lamp 12 V/55 W



#### Kiruna 140

**0 306 382 001**

#### Accessories and spare parts

Headlight unit	<b>1 305 302 021</b>
Sealing frame	<b>1 301 015 115</b>
Housing with sealing frame	<b>1 305 122 901</b>

#### Type of bulb

<b>H1</b>	12 V/55 W	<b>1 987 302 011</b>
<b>H1</b>	12 V/100 W	<b>1 987 302 016</b>
<b>H1</b>	24 V/70 W	<b>1 987 302 411</b>



## Rotating beacons

### Range overview



#### A47-51

##### The professional range – RKLE 200

Top quality for the highest standards.  
Excellent warning action with  
Bosch OPS reflector



Form A

Form B1

Form B2

Form D

#### A52-55

##### The standard range – RE 60

Robust warning lamp for  
specific applications on construction sites,  
on the open road and in urban traffic



Form A

Form FLX

Form B2

Form D

#### A56

##### The special range – RSWA/F

Rotating beacons for use as floodlamps and  
spot lamps. Rotating beacon light can be  
directed as required by remote control.



# Rotating beacons

## Information



Bosch produces a comprehensive range of high-performance beacons for installation in a wide variety of vehicles. Optimized custom solutions further increase the range of applications. In many situations, reliable and effective warning signals are critical to ensure safety for traffic or for working.

### **The professional range - RKLE 200 (Form A, Form B1, Form B2; Form D)**

Top quality for customer groups with exacting demands in terms of warning action and conspicuousness, ease of use and installation, easy single-handed bulb replacement and interference suppression for radio, two-way radio and telephone reception, e.g. fire brigades, haulage companies, road construction departments, rescue services, breakdown and recovery services, mobile cranes and emergency relief services.

### **The standard range - RE 60 (Form A, Form FLX, Form B; Form D)**

Sturdy warning lamps offering attractive value for money for customer groups in hauling, construction and related trades, agriculture and forestry. Benefits include ease of operation and installation, easy one-handed bulb replacement and radio-interference suppression.

### **The special range - RSWA/F (type A, type B1, type B2; type D)**

The RSWA/F range of floodlamps and spot lamps provides top performance for the police and emergency services, breakdown and recovery services, agricultural machinery and outdoor applications.



## Type-Overview



	RKLE 200	RE-60	RSWA/F
<b>Construction</b>			
A	•	•	–
FLX	–	•	–
B1	•	•	•
D	•	•	–
<b>Cover color</b>			
Blue	•	–	–
Yellow	•	•	–
Red	•	–	–
Green	○	–	–
Clear	○	–	•
<b>Voltage</b>			
12 V	•	•	•
24 V	•	•	•
12/24 V	–	–	–
110 V	–	–	–
230 V	–	–	–
<b>Approval</b>			
Complies with German StVZO	•	•	–
<b>Quality features</b>			
Drive system	Hybrid	Worm gear	–
Frequency	–	2.66 Hz	–
Rotational speed	160 rpm	–	–
Noise level	Very low	Medium	–
Interference suppression as per VDE 0879			
LW	Interference level 5	Interference level 3	–
MW	Interference level 5	Interference level 3	–
SW	Interference level 5	Interference level 3	–
UHF	Interference level 5	Interference level 3	–
Degree of protection as per DIN 40 050	IP 54	IP 54	IP 55
Warning effect	Maximum	Satisfactory	–

• = Standard

○ = Possible

## RKLE 200 Rotating beacons



### The right range

For mobile or fixed mounting, for vehicles that are only fitted with beacons when specifically required, or for vehicles that are in constant use: Version A in line with DIN 14620/ISO 4148 for mounting on spigot tube, version B1 and B2 in line with DIN 14620/ISO 4148 for fixed installation. All yellow and blue lights are type-tested to ECE R65 and approved for use on public highways, while the A, B1 and B2 versions in line with DIN 14620 meet the strict German  $\sim$  K approval requirements.

The Bosch OPS reflector<sup>1)</sup> ensures optimum utilization and direction of the light beam and provides 40% more light for the same bulb power. The light is propagated accurately by the OPS reflector rather than being dispersed by the cover. This guarantees optimum visibility at close and long range as well as in rough terrain; no scattering loss. This eliminates scattering losses, which would be worsened by dirt. The long-range visibility and high light intensity enables the RKLE 200 to achieve an unrivalled warning effect even in bright sunlight or from a great distance, comparable even with a high-quality flashing beacon such as the BKL 1212.

### The Bosch RKLE 200 – quiet, maintenance-free and long service life.

The RKLE uses a hybrid drive specially developed for continuous use. It combines the quiet and smooth running of a belt drive with the durability and power transmission of a worm drive. The hybrid drive advantages include maximum convenience, sturdiness and reliability at almost any temperature, when radios or telephones are being used and in dusty or dirty conditions. Since no wearing parts such as V-belts or collector rings are used, no maintenance is required. The self-lubricating bronze sintered bearings of the deliberately oversized motor ensures that the excellent performance and function are retained for many years.

### Quick and easy installation thanks to mounting aids and hollow rubber profiles

The rubber seal between the B1/B2 version rotating beacon and the vehicle simultaneously provides a drilling template for the hole diameter in line with DIN 14620 and ISO 4148. The mounting aids accessible from outside provide quick and unobstructed access to the fixing components. After installation, the mounting aids are sealed with the caps supplied to protect against dirt. This eliminates wind noise and corrosion.

### Sophisticated ventilation

The patented new ventilation system with labyrinth seal prevents condensation from forming and misting the cover of the light.

### No radio interference

Perfect for vehicles with telephone or 2-way radio. The practically noise-free drive is interference-suppressed in excess of the requirements of VDE 0879 interference level 5.

### Bulb replacement made easy

The cover can be removed and the defective bulb exchanged with one hand and without the need for tools.

### Securing the cover

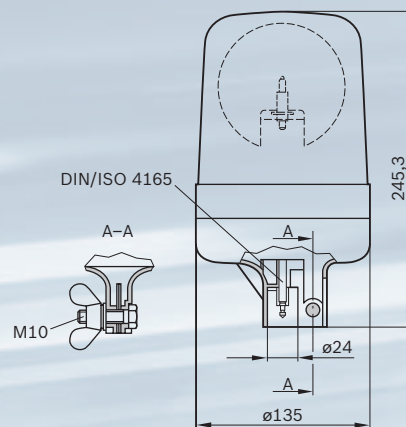
Fit the cover and turn as far as possible in either direction (bayonet lock). It can be opened with or without a tool.

### Perfect look – base in vehicle color

You can, of course, paint the glass-fiber-reinforced base in orange or any other color of your choice.

<sup>1)</sup> OPS, Optimized plane-parabolic segments = "Flat" segments arranged on a parabola.

## RKLE 200 Form A Rotating beacon



### Scope of delivery

Lamp including H1 bulb, installation instructions.

#### Form A version in line with ISO 4148

RKLE 200 A, 12 V, yellow	<b>7 782 332 011</b>
RKLE 200 A, 24 V, yellow	<b>7 782 334 009</b>
RKLE 200 A, 12 V, blue	<b>7 782 332 209</b>
RKLE 200 A, 24 V, blue	<b>7 782 334 207</b>
RKLE 200 A, 12 V, red	<b>7 782 332 404</b>
RKLE 200 A, 24 V, red	<b>7 782 334 404</b>

#### Technical data

##### Type test

Yellow A1 E13 00 0001		K110
Blue B1 E13 00 0001		K109

##### Weight

kg	0.82
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##### Resistance to

Vibration	better than DIN 14620
Temperature	better than DIN 14620
Damp alternating atmosphere	better than DIN 14620
Corrosion	better than DIN 14620

##### Degree of protection

IP	54, 54K, 59K
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##### Interference suppression

Better than VDE 0879 interference level 5  
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##### Operating position

Upright

#### Technical data

##### Temperature range

°C	-40...+60
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##### Speed

rpm	160
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##### Attachment

On spigot tube with wing nut (no tools)

#### Spare parts

##### H1 bulb

12 V/55 W	<b>1 987 302 011</b>
24 V/70 W	<b>1 987 302 411</b>

##### Cover

Yellow	<b>8 785 510 063</b>
Yellow, fracture-proof	<b>8 785 510 098</b>
Blue	<b>8 785 510 166</b>
Red	<b>8 785 510 065</b>

##### Reflector

**8 785 300 117**

##### Motor with pinion and cable

12 V	<b>8 787 220 632</b>
24 V	<b>8 787 220 634</b>

##### Parts set comprising base plate and gear wheel (assembled) and bulb holder

**8 787 001 514**

##### Motor-housing parts set

**8 785 110 129**

##### Rubber buffer (3 required)

1 unit	<b>8 780 212 001</b>
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#### Accessories

##### Spigot tube for welding

**8 787 022 001**

Connected via 2 blade terminals 6.3 mm

**8 787 022 019**

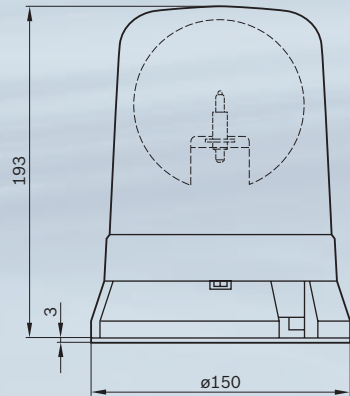
##### Spigot tube for screw attachment

**8 787 022 013**

##### Spigot tube with welded bracket

**8 787 022 016**

## RKLE 200 Form B1 Rotating beacon



### Scope of delivery



Lamp including H1 bulb, rubber seal, fastening parts, installation instructions.

### Form B1 version in line with DIN 14620/ISO 4148

RKLE 200 B1, 12 V, yellow	<b>7 782 332 011</b>
RKLE 200 B1, 24 V, yellow	<b>7 782 334 011</b>
RKLE 200 B1, 12 V, blue	<b>7 782 332 207</b>
RKLE 200 B1, 24 V, blue	<b>7 782 324 207</b>
RKLE 200 B1, 12 V, red	<b>7 782 322 405</b>
RKLE 200 B1, 24 V, red	<b>7 782 324 404</b>

### Technical data

#### Type test

Yellow A1 E13 00 0001	 K110
Blue B1 E13 00 0001	 K109

#### Weight

kg	0.76
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#### Resistance to

Vibration	better than DIN 14620
Temperature	better than DIN 14620
Damp alternating atmosphere	better than DIN 14620
Corrosion	better than DIN 14620

#### Degree of protection

IP	54, 54K, 59K
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#### Interference suppression

Better than VDE 0879 interference level 5

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#### Operating position

Upright

### Technical data

#### Temperature range

°C	-40...+60
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#### Speed

rpm	160
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#### Attachment

With 3 bolts, hole circle Ø 130 mm.

### Spare parts

#### H1 bulb

12 V/55 W	<b>1 987 302 011</b>
24 V/70 W	<b>1 987 302 411</b>

#### Cover

Yellow	<b>8 785 510 063</b>
Yellow, fracture-proof	<b>8 785 510 098</b>
Blue	<b>8 785 510 166</b>
Red	<b>8 785 510 065</b>

#### Reflector

	<b>8 785 300 117</b>
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#### Motor with pinion and cables

12 V	<b>8 787 220 632</b>
24 V	<b>8 787 220 634</b>

#### Parts set comprising base plate and gear wheel (assembled) and bulb holder

	<b>8 787 001 514</b>
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#### Caps for mounting aids

3 units	<b>8 785 411 296</b>
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#### Rubber seal

2 mm	<b>8 780 223 011</b>
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#### Rubber buffer (3 required)

1 unit	<b>8 780 212 001</b>
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### Accessories

#### Hollow rubber profile to compensate for roof slopes and beads

	<b>8 780 206 047</b>
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#### Intermediate flange

	<b>8 785 110 127</b>
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#### Mounting flange

Straight for stand	<b>8 785 110 068</b>
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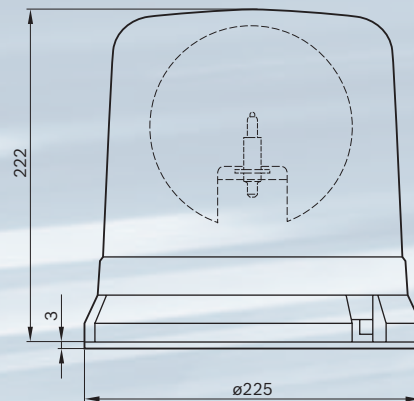
#### Vehicle stand

LZU 14/5	<b>7 781 999 001</b>
LZU 15/5M	<b>7 781 999 015</b>

#### Plug-in base

For conversion to version A	<b>8 785 110 109</b>
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## RKLE 200 Form B2 Rotating beacon



### Scope of delivery

Lamp including H1 bulb, rubber seal, fastening parts, installation instructions.

### Form B2 version in line with DIN 14620 / ISO 4148

RKLE 200 B2, 12 V, yellow	<b>7 782 362 008</b>
RKLE 200 B2, 24 V, yellow	<b>7 782 364 007</b>
RKLE 200 B2, 12 V, blue	<b>7 782 362 207</b>
RKLE 200 B2, 24 V, blue	<b>7 782 364 207</b>
RKLE 200 B2, 12 V, red	<b>7 782 362 404</b>
RKLE 200 B2, 24 V, red	<b>7 782 364 404</b>

### Technical data

#### Type test

Yellow A1 E1 00 1312	~ K254
Blue B1 E1 00 1312	~ K255

#### Weight

kg	1.25
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#### Resistance to

Vibration	better than DIN 14620
Temperature	better than DIN 14620
Damp alternating atmosphere	better than DIN 14620
Corrosion	better than DIN 14620

#### Degree of protection

IP	54, 54K, 59K
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#### Interference suppression

Better than VDE 0879 interference level 5  
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#### Operating position

Upright

### Technical data

#### Temperature range

°C	-40...+60
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#### Speed

rpm	160
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#### Attachment

With 3 bolts, hole circle Ø 200 mm.

### Spare parts

#### H1 bulb

12 V/55 W	<b>1 987 302 011</b>
24 V/70 W	<b>1 987 302 411</b>

#### Cover

Yellow	<b>8 785 510 073</b>
Blue	<b>8 785 510 167</b>
Red	<b>8 785 510 072</b>

#### Reflector

**8 785 300 120**

#### Motor with pinion and cables

12 V	<b>8 787 220 632</b>
24 V	<b>8 787 220 634</b>

#### Parts set comprising base plate and gear wheel (assembled) and bulb holder

**8 787 001 514**

#### Caps for mounting aids

3 units	<b>8 785 411 297</b>
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#### Rubber seal

2 mm	<b>8 780 223 012</b>
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#### Rubber buffer (3 required)

1 units	<b>8 780 212 001</b>
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### Accessories

#### Hollow rubber profile to compensate for roof slopes and beads

**8 780 206 048**

#### Intermediate flange

**8 785 110 128**

#### Mounting flange

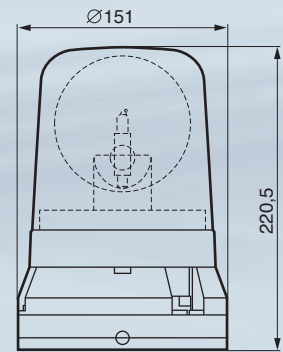
Straight for stand **8 785 110 077**

#### Vehicle stand

LZU 14/5	<b>7 781 999 001</b>
LZU 15/5M	<b>7 781 999 015</b>



## RKLE 200 Form D Rotating beacon



### Scope of delivery

Lamp including H1 bulb, magnet, cable and connector, installation instructions.

### Form D version in line with ISO 4148

RKLE 200 D, 12 V, yellow	<b>7 782 372 004</b>
RKLE 200 D, 12 V, blue	<b>7 782 372 204</b>
RKLE 200 D, 24 V, blue	<b>7 782 374 203</b>
RKLE 200 D, 12 V, red	<b>7 782 372 403</b>
RKLE 200 D, 24 V, red	<b>7 782 374 405</b>
RKLE 200 D, 24 V, yellow	<b>7 782 374 006</b>

### Technical data

#### Type test

Yellow A1 E13 00 0001	~ K110
Blue B1 E13 00 0000	~ K109

#### Weight

kg	1.49
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#### Resistance to

Vibration	better than DIN 14620
Temperature	better than DIN 14620
Damp alternating atmosphere	better than DIN 14620
Corrosion	better than DIN 14620

#### Degree of protection

IP	54, 54K, 59K
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#### Interference suppression

Better than VDE 0879 interference level 5  
Ⓢ 10R-023011

#### Operating position

Upright

#### Temperature range

°C	-40...+60
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#### Speed

rpm	160
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#### Attachment

Magnetic attachment with cable (length 0.5 m, extends to 3 m) and combination connector, TÜV tested to 250 km/h

### Spare parts

#### H1 bulb

12 V/55 W	<b>1 987 302 011</b>
24 V/70 W	<b>1 987 302 411</b>

#### Cover

Yellow	<b>8 785 510 063</b>
Yellow, fracture-proof	<b>8 785 510 098</b>
Blue	<b>8 785 510 166</b>
Red	<b>8 785 510 065</b>

#### Reflector

**8 785 300 117**

#### Motor with pinion and cable

12 V	<b>8 787 220 632</b>
24 V	<b>8 787 220 634</b>

#### Parts set comprising base plate and gear wheel (assembled) and bulb holder

**8 787 001 514**

#### Caps for mounting aids

3 units	<b>8 785 411 296</b>
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#### Rubber buffer (3 required)

1 unit	<b>8 780 212 001</b>
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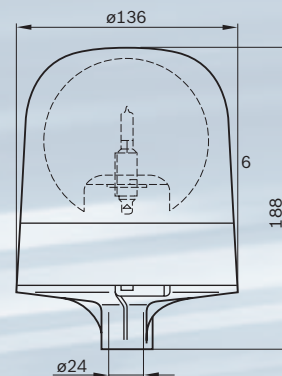
#### Magnetic stand

**8 787 010 015**

#### Spiral cable with connector

0.5 m – extends to 3 m	<b>8 784 460 102</b>
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## RE-60 Form A Rotating beacon



### Applications

For special vehicles that are only used sporadically on main roads or in city traffic. Sturdy warning lamp offering attractive value for money for customer groups in hauling, construction and related trades, agriculture and forestry. Benefits include ease of operation and installation, easy one-handed bulb replacement and radio-interference suppression.

### Drive system

Robust worm drive ensuring reliable starting under extreme operating conditions

### Attachment

For attachment to spigot tube with bolt.

### Scope of delivery

Lamp including H1 bulb, installation instructions.

### Technical data

<b>Cover</b>	
Polycarbonate or plexiglass. ECE R65 approval for Germany and Europe. Observe national regulations (e.g. StVZO).	
<b>Weight</b>	
kg	0.43
<b>Flash frequency</b>	
Hz	2.66 A1 Ⓢ 006515
<b>Degree of protection</b>	
IP	54, 54K, 59K
<b>Warning effect</b>	
ECE R65	Ⓢ 006515
<b>Radio interference suppression level</b>	
3 in line with VDE 0879	Allows radio reception with no interference.
P3	Ⓢ 10R-023010

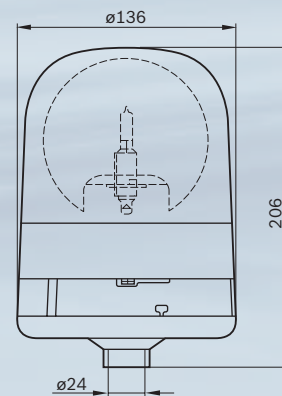
### Form A version in line with ISO 4148

<b>RE-60 Form A</b>		
12 V	Yellow	<b>7 782 332 008</b>
24 V	Yellow	<b>7 782 334 007</b>

### Spare parts

<b>Plexiglass cover</b>	
Yellow	<b>8 785 510 156</b>
<b>H1 halogen bulb</b>	
12 V/55 W	<b>1 987 302 011</b>
24 V/70 W	<b>1 987 302 411</b>
<b>Motor with worm drive and cables</b>	
12 V	<b>8 787 220 627</b>
24 V	<b>8 787 220 628</b>

## RE-60 Form FLX Rotating beacon

**Attachment**

With flexible holder for attachment to spigot tube.

**Scope of delivery**

Light including H1 bulb, installation instructions.

**Technical data****Cover**

Made of fracture-proof polycarbonate

**Weight**

kg 0.68


**Max. inclination in case of obstacle contact**

° 90

**Warning effect**

ECE R65  006515

**Radio interference suppression level**

3 in line with VDE 0879 P3 Allows radio reception with no interference.  
 10R-023010

**Form FLX version in line with ISO 4148****RE-60 Form FLX**

12 V Yellow **7 782 332 009**

24 V Yellow **7 782 334 008**

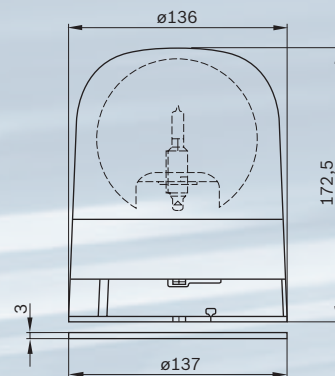
**Spare parts****Polycarbonate cover**

Yellow **8 785 510 157**

**Flexible holder with cables**

Connector, clamping fixture **8 785 110 121**

## RE-60 Form B Rotating beacon

**Attachment**

Attached with 3 self-tapping screws 4.2 mm (hole circle  $\varnothing$  130 mm) or with 3 M6 screws (hole circle  $\varnothing$  115 mm).

**Scope of delivery**

Lamp including H1 bulb, rubber seal, installation instructions.

**Technical data****Cover**

Fracture-proof polycarbonate.  
For permanent installation.

**Weight**

kg 0.42

**Warning effect**

ECE R65  $\text{E4}$  006515

**Radio interference suppression level**

3 in line with VDE 0879 P3 Allows radio reception with no interference.  
 $\text{E1}$  10R-023010

**Form B version in line with ISO 4148****RE-60 Form B**

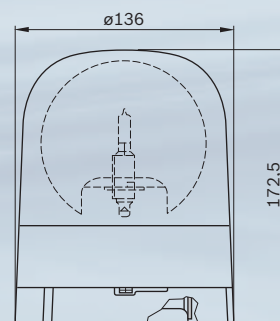
12 V	Yellow	<b>7 782 322 012</b>
24 V	Yellow	<b>7 782 324 012</b>

**Spare parts****Plexiglass cover**

Yellow **8 785 510 156**

**Caps for mounting aids (x3)** **8 787 001 322**

## RE-60 Form D Rotating beacon



### Connection

With 3.5 m spiral cable and multi-purpose automotive connector.

### Attachment

Attached with strong magnet (approx. 30 kg adhesive force in line with DIN). For vehicle speeds of up to max. 100 km/h.

### Scope of delivery

Lamp including H1 bulb, spiral cable with connector, installation instructions.

### Technical data

#### Cover

Fracture-proof polycarbonate.  
For permanent installation.


#### Weight

kg approx. 1

#### Warning effect

ECE R65  006515

#### Radio interference suppression level

3 in line with VDE 0879 P3 Allows radio reception with no interference.  
 10R-023010

### Form D version in line with ISO 4148

#### RE-60 Form D

12 V	Yellow	<b>7 782 372 003</b>
24 V	Yellow	<b>7 782 374 005</b>

### Spare parts

#### Plexiglass cover

Yellow	<b>8 785 510 156</b>
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#### Flexible holder with cables

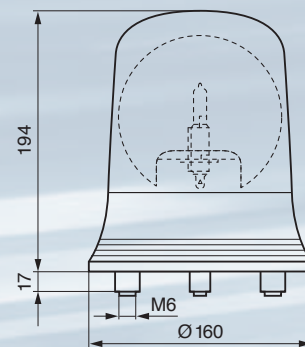
Spiral cable with multi-purpose automotive connector	<b>8 784 460 130</b>
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### Accessories

Paint-protection foil for magnet, self-adhesive	<b>8 780 113 024</b>
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## RSWA 100/RSWF 100 Floodlight



### Applications

Flood lamp (RSWA) or spot lamp (RSWF) with radio remote control for police, emergency services, breakdown and recovery services, agricultural vehicles and off-road applications.

### Design

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding, and fracture-proof.

### Headlight unit

The radio remote control allows targeted direction of the floodlight beam. Simultaneous horizontal and vertical movement allows the operator to quickly adjust the lighting as required, even from a distance (range with unimpaired view approx. 100 m). Coding allows one floodlight to be operated from up to four remote control units. In the same way, one remote control unit can operate different floodlights.

### Light distribution

RSWA – large-area, uniform illumination at close range (floodlamp)

RSWF – narrow, high-intensity light beam (spot lamp)

### Attachment

Attached with 3 bolts, hole circle  $\varnothing$  130 mm.

### Scope of delivery

Lamp including H1 bulb, remote control, 9 Volt battery 6LR61, installation/operating instructions.

### Lamp technical data:

<b>Cover</b>	
Polycarbonate	
<b>Weight</b>	
kg	1.13
<b>Current input</b>	
12 V/4.6 A 24 V/2.9 A	
<b>Temperature range</b>	
°C	-20...+50
<b>Horizontal rotation</b>	
°	360
	in 12 seconds
<b>Vertical rotation</b>	
°	260
	in 24 seconds
<b>Dust / water protection</b>	
IP	55

### Remote-control technical data:

<b>Frequency</b>	
Hz	433.92
<b>Range</b>	
m	100 with unimpaired view
<b>Weight</b>	
kg	Approx. 0.15
<b>Approval</b>	
CE tested	
EN	60-950, 300-220
Ets	300-000

### Design

RSWA 100, 12 V	<b>7 782 319 052</b>
RSWA 100, 24 V	<b>7 782 319 054</b>
RSWF 100, 12 V	<b>7 782 319 062</b>
RSWF 100, 24 V	<b>7 782 319 064</b>

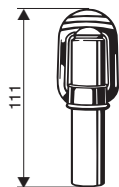
### Spare parts

<b>Cover</b>	
Clear	<b>8 785 510 170</b>
<b>Transmitter and holder</b>	
12 V	<b>8 785 520 002</b>
24 V	<b>8 785 520 004</b>
<b>H1 bulb</b>	
12 V/55 W	<b>1 987 302 011</b>
24 V/70 W	<b>1 987 302 411</b>

### Accessories

<b>Mounting flange</b>	
Straight, for stand	<b>8 785 110 068</b>
Vehicle stand LZU 14/5	<b>7 781 999 001</b>
Vehicle stand LZU 14/5 M	<b>7 781 999 015</b>

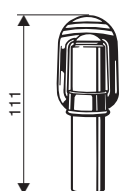
## Accessories and spare parts



### Spigot tube

For welding, for Form A rotating beacons in line with DIN 14 620 and ISO 4148.  
With socket and rain cover. Grounded through housing.

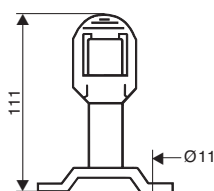
**Part number:**  
8 787 022 001



### Spigot tube

As -001, but connected via 2 blade terminals 6.3 mm. With insulating sleeve (Qty. 1).

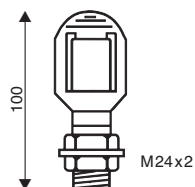
**Part number:**  
8 787 022 019



### Spigot tube

With welded bracket for Form A rotating beacons in line with DIN 14 620 and ISO 4148.  
For screwing onto the vehicle with 2 screws. With socket and rain cover.

**Part number:**  
8 787 022 016



### Spigot tube

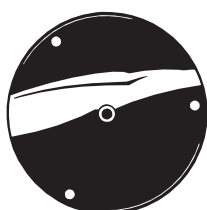
For screw fastening, for Form A rotating beacons in line with DIN 14 620 and ISO 4148.  
With socket and rain cover.

**Part number:**  
8 787 022 013

### Rain cover

To fit the spigot tubes.

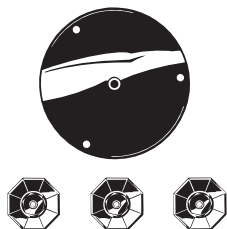
**Part number:**  
8 780 560 000



### Magnetic stand

For RKLE 200 Form D rotating beacons for speeds of up to 250 km/h.  
The use of rotating beacons with additional magnetic base mounting is not approved  
in Germany (StVZO). Exceptions can be approved by the relevant authorities.  
The operator must apply individually.

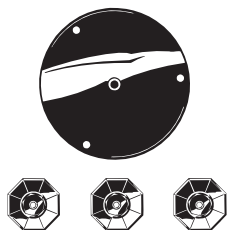
**Part number:**  
8 787 010 015



### 3-point magnetic attachment

For RKLE Form B1 rotating beacons. For mobile or temporary use.  
The magnetic feet are flexibly mounted and thus adapt to the shape of the vehicle body.  
Supplied with protective foil to prevent damage to the body.  
For vehicle speeds of up to max. 80 km/h.

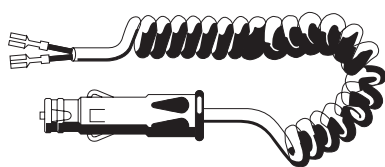
**Part number:**  
8 787 010 011



### 3-point magnetic attachment

As ...011 but with spiral cable (max. length 3 m) and universal connector for vehicle socket or cigarette lighter. For vehicle speeds of up to max. 80 km/h.

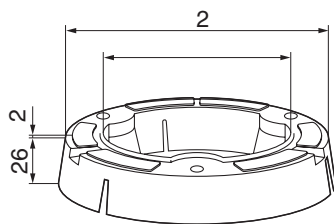
**Part number:**  
8 787 010 010



### Spiral cable

Complete with universal connector for vehicle socket or cigarette lighter, and connectors.  
Length 0.5 m, extends to 3 m.

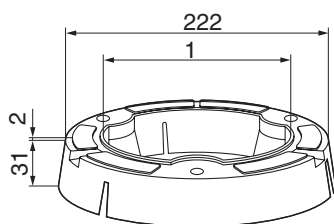
**Part number:**  
8 784 460 102



### Rubber wedge

For RKLE Form B1 rotating beacons. To compensate for roof slopes.

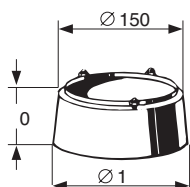
**Part number:**  
8 780 206 047



### Rubber wedge

For RKLE Form B2 rotating beacons. To compensate for roof slopes.

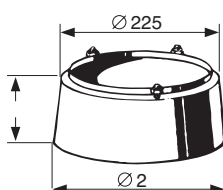
**Part number:**  
8 780 206 048



### Intermediate flange

For RKLE Form B1 rotating beacons. Steel plate.  
Compensates for extremely steep mounting surfaces (adjust flange and weld).

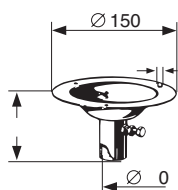
**Part number:**  
8 785 110 127



### Intermediate flange

For RKLE Form B2 rotating beacons. Steel plate.  
Compensates for extremely steep mounting surfaces (adjust flange and weld).

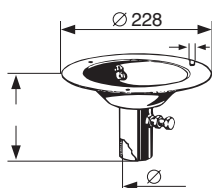
**Part number:**  
8 785 110 128



### Mounting flange, straight

For RKLE Form B1 rotating beacons. For fitting on vehicle stand LZU 14/5.

**Part number:**  
8 785 110 068

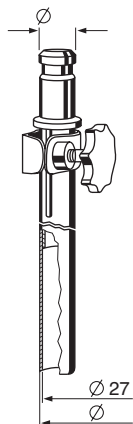


### Mounting flange, straight

For RKLE Form B2 rotating beacons. For fitting on vehicle stand LZU 14/5.

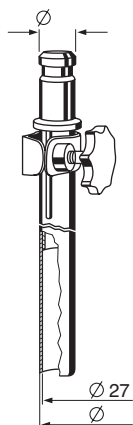
**Part number:**  
8 785 110 077





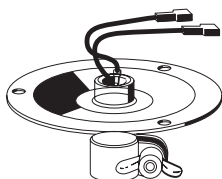
### Vehicle stand LZU 14/5

For attaching headlamps and rotating beacons.  
 Design: Mounting stud  $\varnothing$  30 mm in line with DIN 14 640.  
 Can be used with: Mounting flange 8-785 110 068/077 for rotating beacons.  
 Extends from 1260 mm to 2160 mm. Lockable with star handle.  
 Dimensions (W x H): 140 x 1260 mm, weight: 2.8 kg  
**Part number:**  
 7 781 999 001



### Vehicle stand LZU 14/5 M

Similar to 7 781 999 001. Extends from 1060 to 1890 mm.  
 Cable entry through mounting stud, allowing visually appealing installation.  
 Dimensions (W x H): 140 x 1,060 mm  
**Part number:**  
 7 781 999 015



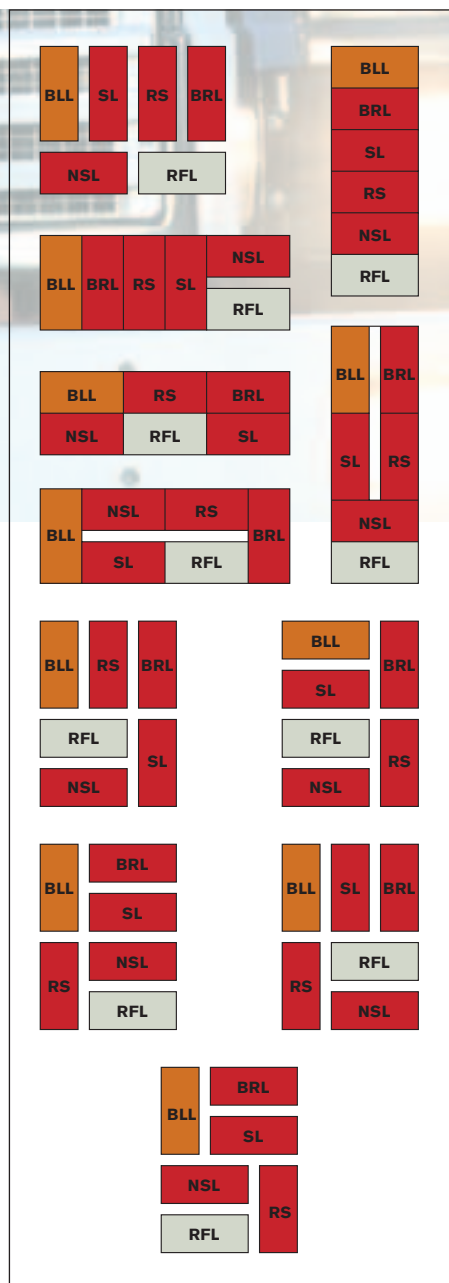
### Mounting flange for bolting to RKLE BKL Form B1

With plug-in base and cable. Allows mounting on spigot tube for Form A.  
**Part number:**  
 8 785 110 109



# Single-function lamps

Rear lamps for commercial vehicles – universally usable



196 x 85 mm

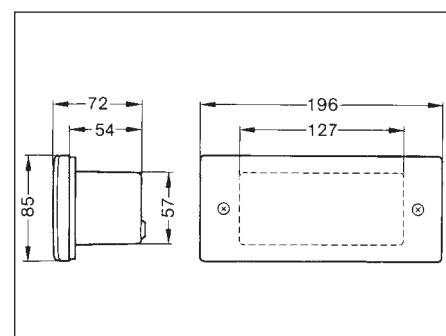
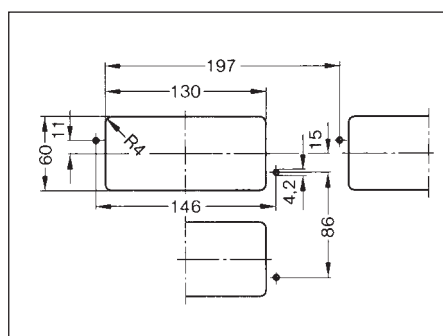


Fig.	Function	Lens	Installation horizontal	Installation vertical	Power W	Approval		Part number
						ECE	SAE	
1	Stop lamp	red	●	●	2 x 21	●	●	0 312 201 002
						●	●	0 312 201 003
2	Turn-signal lamp	yellow	●	●	1 x 21	●	●	0 311 316 003 <sup>2)</sup>
						●	●	0 311 316 009 <sup>3)</sup>
					2 x 21	●	●	0 311 316 004 <sup>4)</sup>
						●	●	0 311 316 005
3	Tail lamp	red	●	●	2 x 5	●	●	0 313 050 005
						●	●	0 313 050 006
						●	●	0 315 104 027 <sup>5)</sup>
4	Side-marker lamp <sup>1)</sup>	clear	●	●	2 x 5	●	●	0 313 110 002
5	Fog warning lamp	red	●	●	1 x 21	●	●	0 314 107 002
6	Backup lamp	clear	●	●	1 x 21	●	●	0 314 107 002
						●	●	0 314 107 004

These lamps can be combined as required, both horizontally and vertically.

### Typical arrangements

The black framed examples are the most common arrangements.

### Legend

- BLL turn-signal lamp
- BRL stop lamp
- NSL fog warning lamp
- RFL backup lamp
- RS reflector
- (currently not in program)
- SL tail lamp

### Lamp housing

Fibreglass-reinforced, transparent polyamide. Bulb holder with vibration-damping and full insulation in housing.

### Installation

In bodywork, aperture 130 x 60 mm, installation depth 60 mm.

### Fastening

2 screws, hole-Ø 4.2 mm, hole spacing 146 mm.

### Electrical connection

Two-pole (separate ground connection). Blade terminals.

### Bulb type

<b>R 5 W</b>	12 V/5 W	<b>1 987 302 237</b>
	24 V/5 W	<b>1 987 302 527</b>
<b>P 21 W</b>	12 V/21 W	<b>1 987 302 607</b>
	24 V/21 W	<b>1 987 302 501</b>

- <sup>1)</sup> Can also be used as step or ceiling lamp
- <sup>2)</sup> Installed at front
- <sup>3)</sup> Available while stocks last
- <sup>4)</sup> Installed at rear
- <sup>5)</sup> Not mounted on new vehicles

# Fog warning/backup lamps

Plastic housing matt black, E-type tested



① Plastic lamp, black fastening with universal bracket

**Mounting**  
Upright and pendant.

**Fastening**  
With adjustable mounting bracket (enclosed).

**Electrical connection**  
Single-pole blade terminal.  
Cable entry through rubber grommet.

**Scope of delivery**  
1 lamp, mounting parts and installation instructions (without bulb).

<b>Fog warning lamp</b>	
red	<b>0 313 108 001</b>

<b>Backup lamp</b>	
clear	<b>0 314 105 001</b>

<b>Bulb type</b>	
P 21 W 12 V/21 W	<b>1 987 302 201</b>
24 V/21 W	<b>1 987 302 501</b>

② Plastic lamp, black fastening with universal bracket

**Mounting**  
Upright and pendant.

**Fastening**  
With adjustable mounting bracket (enclosed).

**Electrical connection**  
Single-pole blade terminal.  
Cable entry through rubber grommet.

**Scope of delivery**  
1 lamp, mounting parts and installation instructions (without bulb).

<b>Fog warning lamp</b>	
red	<b>0 313 109 001</b>

<b>Backup lamp</b>	
clear	<b>0 314 106 001</b>

<b>Spare parts</b>	
Lens red	<b>1 305 620 243 <sup>1)</sup></b>

<b>Bulb type</b>	
P 21 W 12 V/21 W	<b>1 987 302 201</b>
24 V/21 W	<b>1 987 302 501</b>

③ Plastic lamp, chrome-plated mounting on bumper

**Mounting**  
Upright and pendant.

**Fastening**  
With swivel bracket with threaded stud M10.

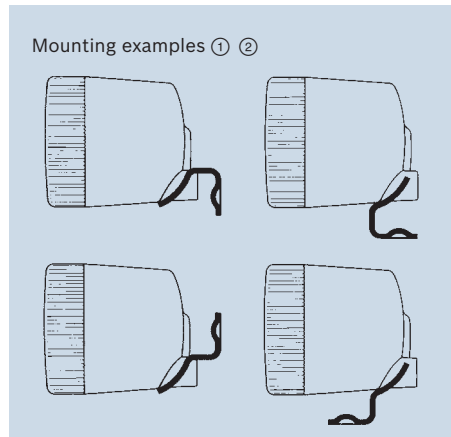
**Electrical connection**  
Single-pole blade terminal.  
Cable entry through rubber grommet.

**Scope of delivery**  
1 lamp, mounting parts and installation instructions (without bulb).

<b>Fog warning lamp</b>	
red	<b>0 313 103 006</b>

<b>Backup lamp</b>	
clear	<b>0 307 400 001</b>

<b>Bulb type</b>	
P 21 W 12 V/21 W	<b>1 987 302 201</b>
24 V/21 W	<b>1 987 302 501</b>



<sup>1)</sup> Available while stocks last



170 x 85 mm



140 mm

Limitation light


**④ Plastic lamp, black mounting on bumper**
**Mounting**

Upright and pendant.

**Fastening**

Corrosion-protected swivel mounting bracket with threaded stud M10.

**Light unit**

Lens bonded watertight to reflector.

**Electrical connection**

Two-pole (separate ground connection). Blade terminals. Cable entry through special, splashproof hinged grommet.

**Scope of delivery**

1 lamp, mounting parts and installation instructions (without bulb).

**Fog warning lamp**

red	<b>0 313 106 003</b>
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**Backup lamp**

clear	<b>0 314 102 003</b>
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**Spare parts**

Rubber grommet	<b>1 300 312 010</b>
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**Bulb type**

<b>P 21 W</b>	12 V/21 W	<b>1 987 302 201</b>
	24 V/21 W	<b>1 987 302 501</b>


**⑤ Plastic lamp, black mounting on bumper**
**Mounting**

Upright and pendant.

**Fastening**

Corrosion-protected swivel mounting bracket with threaded stud M10.

**Light unit**

Lens bonded watertight to reflector.

**Electrical connection**

Two-pole (separate ground connection). Blade terminals. Cable entry through special, splashproof hinged grommet.

**Scope of delivery**

1 lamp, mounting parts and installation instructions (without bulb)

**Fog warning lamp**

red	<b>0 313 107 002</b>
-----	----------------------

**Backup lamp**

clear	<b>0 314 104 002</b>
-------	----------------------

**Spare parts**

Rubber grommet	<b>1 300 312 010</b>
----------------	----------------------

**Bulb type**

<b>P 21 W</b>	12 V/21 W	<b>1 987 302 201</b>
	24 V/21 W	<b>1 987 302 501</b>


**⑥ Plastic limitation light, black**
**Mounting**

Horizontal.

**Scope of delivery**

Sealing plate and bolts included.

Left mounting	<b>0 315 109 003<sup>1)</sup></b>
Right mounting	<b>0 315 109 004<sup>1)</sup></b>

**Bulb type**

<b>R 5 W</b>	12 V/5 W	<b>1 987 302 204</b>
	24 V/5 W	<b>1 987 302 510</b>

**⑦ Indicator lamps, Plastic housing**
**Technical description**
**Installation**

In instrument panel with wall thickness up to 5 mm.

**Installation aperture**

Ø 17 mm.

**Fastening**

By bayonet connector.

**Electrical connection**

Two-pole.

**With trim ring ⑦**

green	<b>0 310 153 003<sup>1)</sup></b>
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<sup>1)</sup> Lieferung solange Vorrat reicht

## Trucklight / Trucklight Maxlife

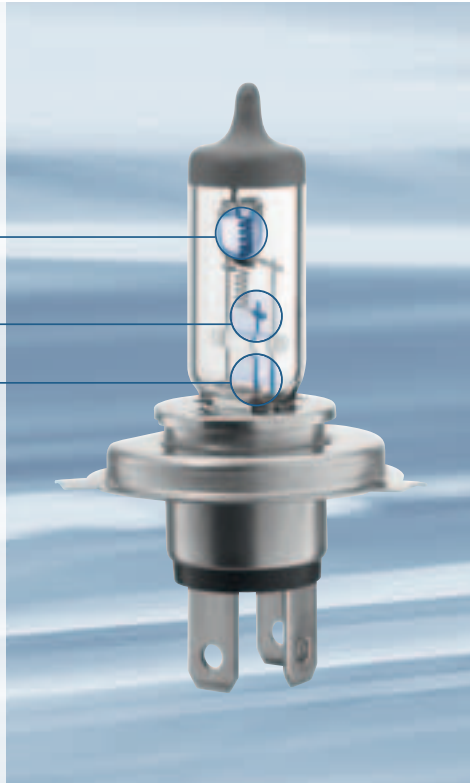


### Bosch technology:

The tungsten filament has an optimized material structure thanks to high-temperature treatment

Enhanced filler gas composition and higher filler gas pressure

Greater filament stability



### Area of application: Commercial vehicles

No doubt about it: Commercial vehicles need particularly powerful lights. Bosch supply a comprehensive range of 24 V automotive bulbs. Two product lines cover all requirements and areas of application.

### Bosch Trucklight

High-grade materials and precision manufacturing guarantee consistent quality and maximum reliability – bulb for bulb. In contrast to 12 V halogen bulbs, 24 V truck bulbs have a doubly wound filament for optimum adaptation to commercial vehicle requirements. Automotive bulbs from Bosch are constantly checked under realistic conditions. This ensures that Bosch Trucklight bulbs fully conform to original equipment standards. The comprehensive Bosch Trucklight range has just the right bulb for practically every application.

### Bosch Trucklight Maxlife

Bosch have always been pioneers in the field of vehicle lighting technology. The new Trucklight Maxlife range from Bosch is a good example of the continuous quality enhancement and development process. A long service life and robust design make Trucklight Maxlife from Bosch the professionals' choice of automotive bulb for all sorts of requirements: It is just as ideal for the everyday long motorway journeys of trucks and buses as it is for all commercial vehicles facing the toughest conditions in off-road use.

The Trucklight Maxlife range combines all the essential features for satisfying the most exacting demands:

- Long service life
- Reliability
- High light efficiency
- Robust construction

The special design, high-grade materials, excellent workmanship and stringent quality controls all form the basis for this.



### Comprehensive range of 24 V bulbs for commercial vehicles

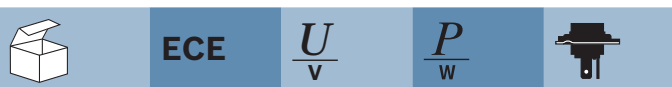
The Trucklight range from Bosch is available for practically all types of commercial vehicle and covers all requirements and areas of application.

#### Trucklight:

- ▶ Top quality and reliability – conforming to original equipment standards

#### Trucklight Maxlife:

- ▶ Durable and robust for off-road and motorway driving – reliable lighting even under the most challenging usage and road conditions
- ▶ Outstanding shock and vibration resistance for a long service life and greater economy



#### Trucklight

<b>1 987 302 411</b>	H1	24 V	70 W	P14,5s
<b>1 987 302 421</b>	R2	24 V	55/50 W	P45t
<b>1 987 302 431</b>	H3	24 V	70 W	PK22s
<b>1 987 302 441</b>	H4	24 V	75/70 W	P43t
<b>1 987 302 471</b>	H7	24 V	70 W	PX26d
<b>1 987 302 501</b>	P21W	24 V	21 W	BA15s
<b>1 987 302 504</b>	–	24 V	1,2 W	W2x4,6d
<b>1 987 302 505</b>	R10W	24 V	10 W	BA15s
<b>1 987 302 507</b>	C5W	24 V	5 W	SV8,5-8
<b>1 987 302 508</b>	–	24 V	2 W	BA9s
<b>1 987 302 510</b>	R5W	24 V	5 W	BA15s
<b>1 987 302 527</b>	R5W	24 V	5 W	BA15d
<b>1 987 302 512</b>	T4W	24 V	4 W	BA9s
<b>1 987 302 514</b>	–	24 V	1,2 W	B8,5d
<b>1 987 302 515</b>	–	24 V	1,2 W	B8,3d
<b>1 987 302 516</b>	–	24 V	2 W	W2,1x9,5d
<b>1 987 302 517</b>	W3W	24 V	3 W	W2,1x9,5d
<b>1 987 302 518</b>	W5W	24 V	5 W	W2,1x9,5d
<b>1 987 302 519</b>	–	24 V	3 W	BA7s
<b>1 987 302 520</b>	–	24 V	5 W	SV8,5-8
<b>1 987 302 521</b>	–	24 V	10 W	SV8,5-8
<b>1 987 302 523</b>	–	24 V	18 W	BA15s
<b>1 987 302 524</b>	P21/5W	24 V	21/5 W	BAY15d
<b>1 987 302 526</b>	–	24 V	15 W	BA15s
<b>1 987 302 528</b>	–	24 V	3 W	SV7-8
<b>1 987 302 531</b>	PY21W	24 V	21 W	BAU15s



#### Trucklight

<b>1 987 302 532</b>	P21W	24 V	21 W	BA15d
<b>1 987 302 533</b>	H21W	24 V	21 W	BAY9s
<b>1 987 302 535</b>	–	28 V	7 W	BA15s
<b>1 987 302 536</b>	–	24 V	24 W	BA15s

#### Trucklight Maxlife

<b>1 987 302 701</b>	P21W	24 V	21 W	BA15s
<b>1 987 302 702</b>	P21W	24 V	21 W	BA15d
<b>1 987 302 703</b>	PY21W	24 V	21 W	BAU15s
<b>1 987 302 704</b>	R5W	24 V	5 W	BA15s
<b>1 987 302 705</b>	R5W	24 V	5 W	BA15d
<b>1 987 302 706</b>	R10W	24 V	10 W	BA15s
<b>1 987 302 707</b>	T4W	24 V	4 W	BA9s
<b>1 987 302 712</b>	H1	24 V	70 W	P14,5s
<b>1 987 302 732</b>	H3	24 V	70 W	PK22s
<b>1 987 302 742</b>	H4	24 V	75/70 W	P43t
<b>1 987 302 772</b>	H7	24 V	70 W	PX26d



## Supplementary „Parkpilot“ URF 7 For passenger cars and small vans



**Do you ever get the feeling that parking spaces are getting smaller all the time? And that visibility is becoming more and more of a problem? It doesn't take any time at all to scratch your bumper when getting into and out of parking spaces or maneuvering. Why not get some reliable assistance on board, in the form of the new Bosch Parkpilot? It "sees" things that are outside the driver's field of vision and provides reliable warnings.**

**The Bosch Parkpilot means that even tiny parking spaces will not result in the slightest scratch.**

- ▶ Large detection range – detects even narrow and low objects
- ▶ Two different rear systems adapted for smaller or larger vehicles
- ▶ Sensors and contour rings can be painted in bumper color
- ▶ Expandable with front system if required

### **An exact fit for your vehicle**

The sophisticated technology of Bosch's new Parkpilot generation fits into almost any vehicle. The electronic parking assistant can be retrofitted quickly and without major expense, regardless of the brand and model.



### **Safety for front and rear**

Three or four rear sensors, depending on the size of the car, provide an extensive detection range. For perfect all-round safety, the front system has four sensors.

### **Everything in view**

The sensors' extensive detection range provides comprehensive safety. At the rear, warnings are emitted at distances below 150 cm and below 100 cm at the front. Even small objects that are difficult to see, such as low flower boxes, wire mesh fences or narrow posts are reliably detected. The system detects obstructions that are outside your field of vision.

### **Automatically there for you**

The Bosch Parkpilot is reliable and is always there for you when you need it. The front and rear system is automatically activated when reverse gear is engaged – providing active all-round safety. The front system can be activated separately by a switch.

### **Comfort and safety**

When it comes to parking, every centimeter counts, particularly in areas you cannot actually see. The Parkpilot makes parking an easy task – even in the smallest spaces. Added comfort: The signal is automatically deactivated when the distance to the obstruction is no longer changing – there is no continuous signal at a standstill.



Designation	Spare parts	Part number
<b>URF 7, 3 rear sensors</b>		<b>0 263 009 564</b>
ECU	0 263 004 396	
System wiring harness	6 033 MCO 553	
Sensor wiring harness	0 263 006 178	
Display	0 263 005 030	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 176	
Accessory kit	0 263 006 076	
<b>URF 7, 4 rear sensors</b>		<b>0 263 009 565</b>
ECU	0 263 004 396	
System wiring harness	6 033 MCO 553	
Sensor wiring harness	0 263 006 179	
Display	0 263 005 030	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 177	
Accessory kit	0 263 006 076	
<b>URF 7, 4 front sensors (only in combination with rear system)</b>		<b>0 263 009 566</b>
System wiring harness	0 263 006 181	
Sensor wiring harness	0 263 006 180	
Display	0 263 005 031	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 177	
Accessory kit	0 263 006 077	
Pushbutton	6 033 MCO 677	
<b>URF 7, 4 front sensors, Stand alone (no rear system necessary)</b>		<b>0 263 009 571</b>
ECU	0 263 004 396	
System wiring harness I	0 263 006 189	
System wiring harness, automatic calibration for front, stand alone system	0 263 006 185	
System wiring harness II, rear for front, stand alone system	0 263 006 184	
Sensor wiring harness	0 263 006 180	
Display	0 263 005 031	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 177	
Accessory kit	0 263 006 188	
Pushbutton	6 033 MCO 677	

## Accessories „Parkpilot“ URF 7



Designation	Spare parts	Part number
<b>Accessories URF 7 front and rear</b>		
Extension cable for display, length 1.5 m	<b>0 263 006 093</b>	
Extension cable for sensor wiring harness front 1.5 m	<b>0 263 006 094</b>	
Pushbutton for trailer hitch deactivation	<b>0 341 500 801*</b>	



## Spare parts for URF 4 / URF 5 / URF 6



Display	Sensor	Sensor wiring harness	ECU	System wiring harness	Extension cable for display, length 1.2 m
<b>URF 4</b>					
<b>0 263 005 011</b>	<b>0 263 009 163</b>	<b>0 263 009 057</b>	<b>0 263 004 011</b>	<b>0 263 009 304</b>	<b>0 263 009 338</b>
<b>URF 5</b>					
<b>0 263 005 011</b>	<b>0 263 009 412</b>	<b>1 036 029 073</b>	<b>0 263 004 011</b>	<b>0 263 009 304</b>	<b>0 263 009 338</b>
<b>URF 6</b>					
	<b>Designation</b>	<b>Spare part</b>			
<b>URF 6, 3 rear sensors</b> (for 0 263 009 501)	ECU	<b>0 263 004 396</b>			
	System wiring harness	<b>6 033 MC0 553</b>			
	Sensor wiring harness	<b>0 263 006 178</b>			
	Display	<b>0 263 005 030</b>			
	Sensor	<b>0 263 009 525</b>			
	Fastening kit (sensor), with contour rings	<b>0 263 006 090</b>			
<b>URF 6, 4 rear sensors</b> (for 0 263 009 502)	Accessory kit	<b>0 263 006 076</b>			
	ECU	<b>0 263 004 396</b>			
	System wiring harness	<b>6 033 MC0 553</b>			
	Sensor wiring harness	<b>0 263 006 179</b>			
	Display	<b>0 263 005 030</b>			
	Sensor	<b>0 263 009 525</b>			
<b>URF 6, 2 front sensors</b> (for 0 263 009 503)	Fastening kit (sensor), with contour rings	<b>0 263 006 075</b>			
	Accessory kit	<b>0 263 006 076</b>			
	System wiring harness	<b>6 033 MC0 554</b>			
	Sensor wiring harness	<b>6 033 MC0 549</b>			
	Sensor	<b>0 263 009 525</b>			
	Fastening kit (sensor), with contour rings	<b>0 263 006 078</b>			
<b>URF 6, 4 front sensors</b> (for 0 263 009 539)	Accessory kit	<b>0 263 006 077</b>			
	System wiring harness	<b>0 263 006 181</b>			
	Sensor wiring harness	<b>0 263 006 180</b>			
	Display	<b>0 263 005 031</b>			
	Sensor	<b>0 263 009 525</b>			
	Fastening kit (sensor), with contour rings	<b>0 263 006 075</b>			
<b>Spare parts</b> (for all versions)	Accessory kit	<b>0 263 006 077</b>			
	Pushbutton	<b>6 033 MC0 677</b>			
	Extension cable for display, length 1.5 m	<b>0 263 006 093</b>			
	Extension cable for front sensor wiring harness	<b>0 263 006 094</b>			
	Pushbutton for trailer hitch deactivation	<b>0 341 500 801</b>			

## Horns and fanfares from Bosch

A powerful signal



Horns and fanfares are needed in every motor vehicle. Particularly in hazardous situations, they allow the driver to warn other road users.

Bosch has been developing and producing acoustic signaling devices since 1921. Bosch signaling devices are based on these decades of experience and expertise and incorporate innovative technology.

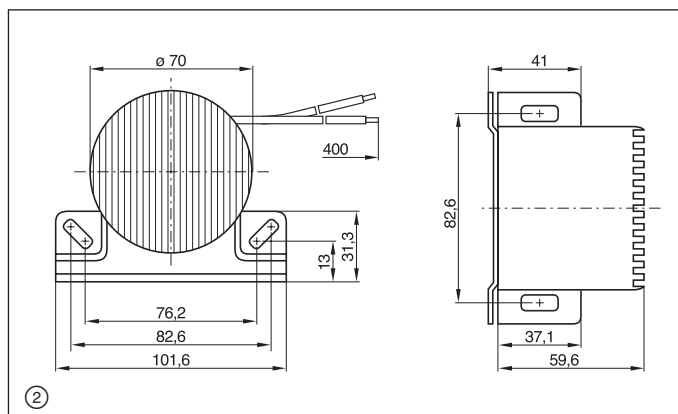
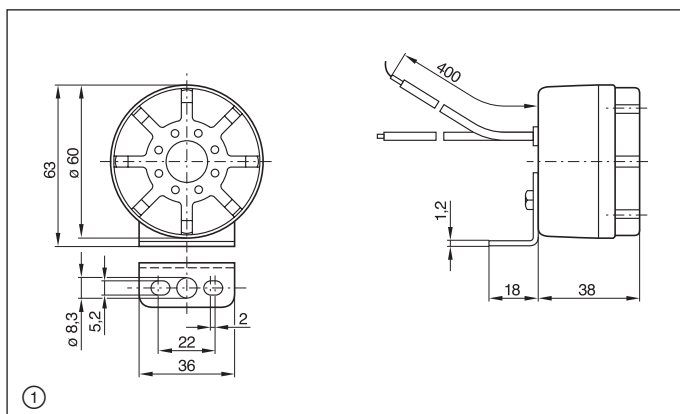
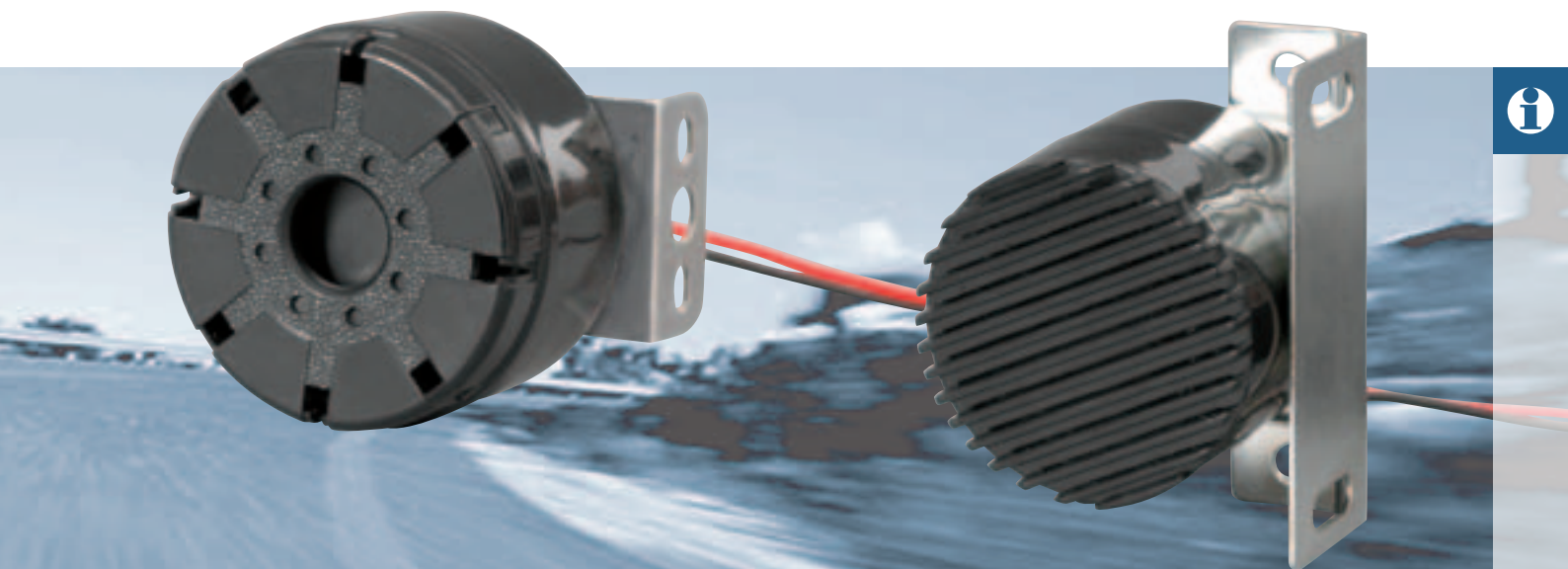
Ultra-reliable functionality and state of the art technologies are their main features. The production sites are subject to stringent inspection and testing procedures, guaranteeing first-class product quality.

Today, numerous well-known vehicle manufacturers throughout the world trust the quality of our signaling devices. Bosch signaling devices provide increased safety on the road.



## Backup warning buzzer

Active accident prevention for situations with impeded visibility



Additional safety for commercial vehicles when maneuvering and reversing in situations with impeded visibility and on construction sites.

The backup warning buzzer emits a warning tone as soon as reverse gear is engaged.

Specially suited for construction-site vehicles, cranes, public-service vehicles, forklift trucks, mobile industrial handling machinery and for haulage and bus companies.

Warning! Not all countries allow the use of backup warning buzzers on public roads. National road transport regulations must therefore be observed.

Scope of delivery: 1 backup warning buzzer with 400 mm cable, 2 connectors, fastening elements, installation instructions.

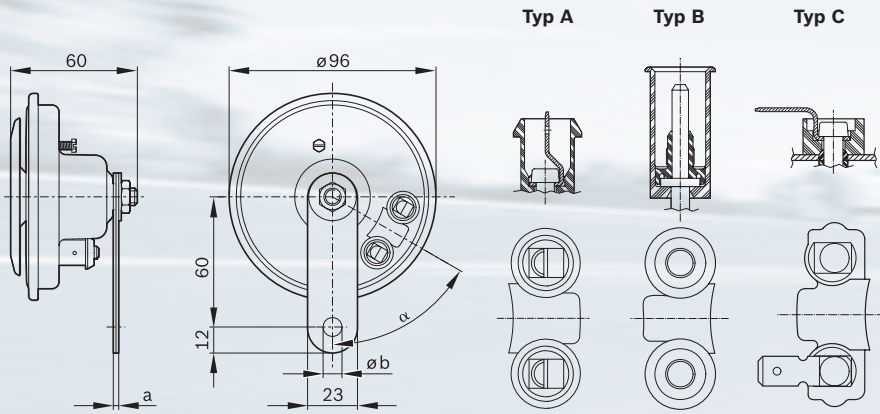
### Fixed sound pressure level (Fig. ①)

Nominal voltage	12/24 V
Operating voltage	3.5 ... 30 V
Sound pressure level/1 m	≥ 97 dB
Frequency	3000 ± 200 Hz
Type of tone	Pulsed tone
Degree of protection	IP 67
Order number	<b>0 986 334 001</b>

### Self-adjusting sound pressure level (Fig. ②)

Nominal voltage	12/24 V
Operating voltage	9 ... 28 V
Sound pressure level/1 m	82 ± 5 dB to 100 dB
Frequency	1000 ± 200 Hz
Type of tone	Pulsed tone
Degree of protection	IP 67
Order number	<b>0 986 334 002</b>

# FC4



(Dimensions in the drawing valid for all FC4 signaling devices, for deviations see table)



**Application range**



**Maximum attention**

- ▶ Penetrating, harsh sound carries for long distances
- ▶ Unobstructed forward propagation of sound

**Long service life and reliable quality**

- ▶ Insensitive to rust and stone impact

**Maximum functional reliability**

- ▶ Solid mechanical construction
- ▶ Pressure compensation with microporous Teflon filter
- ▶ Weather-resistant material

**Approved as per EC and ECE directives**

- ▶ Including Austria and Switzerland

**Powerful tone**

- ▶ 110 dB (A) at a distance of 2 meters

**EMC protection included**

**Features**

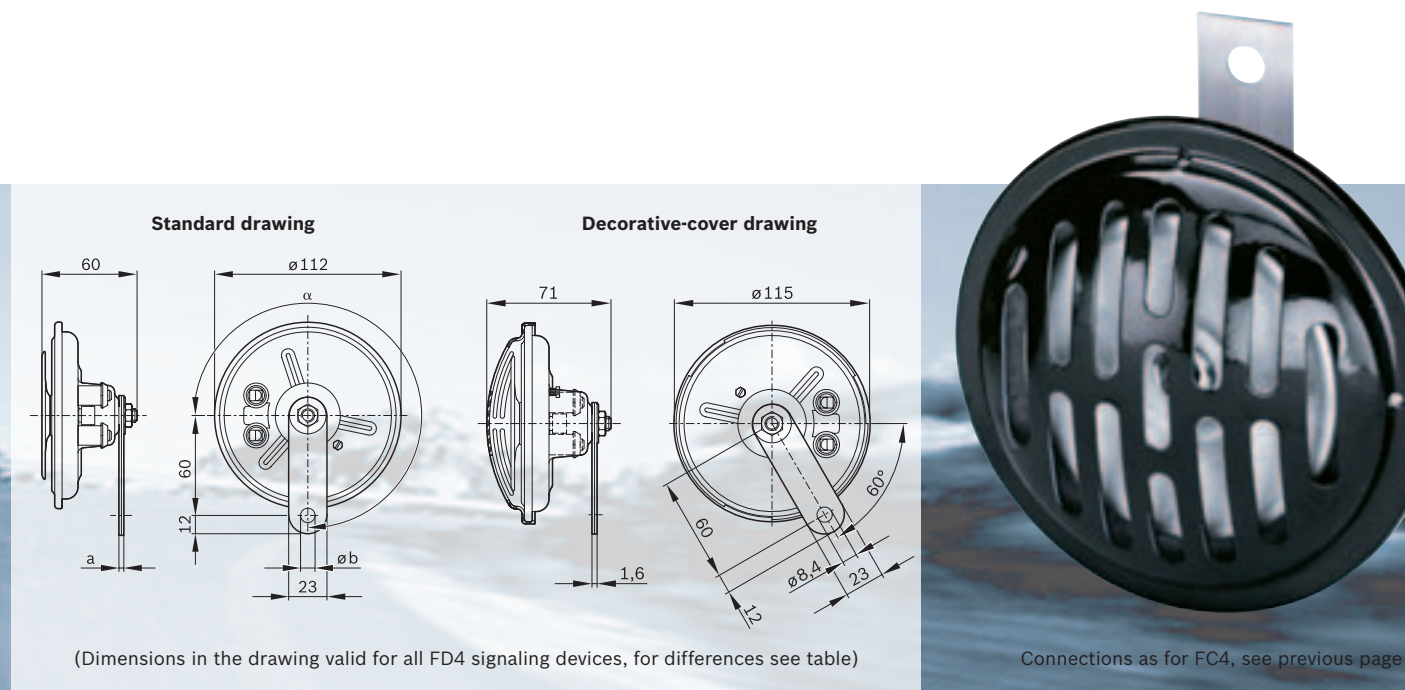
Voltage V	Output W	Frequency Hz	Color	a mm	Ø b mm	α Degrees	Connection	Weight kg	Part number
<b>FC4</b>									
6	30	335	Steel	2.4	Thread M8	275	Type A	0.35	<b>0 986 320 101</b> □
6	30	335	Black	1.6	8.4	175	Type A	0.35	<b>0 986 320 102</b> □
12	60	335	Steel	2.4	Thread M8	90	Type A	0.35	<b>0 986 320 111</b> □
12	60	335	Steel	1.6	8.4	60	Type A	0.35	<b>0 986 320 132</b> □ <sup>1)</sup>
12	60	335	Steel	1.6	8.4	275	Type A	0.35	<b>0 986 320 146</b> □
12	60	335	Steel	1.6	10.5	90	Type A	0.35	<b>0 986 320 112</b> □
12	60	335	Black	1.6	8.4	60	Type A	0.35	<b>0 986 320 137</b> □
12	60	335	Black	2.4	8.4	100	Type A	0.35	<b>0 986 320 188</b> □
12	60	335	Black	2.4	8.4	300	Type A	0.35	<b>0 986 320 131</b> □
12	60	335	Black	1.6	8.4	285	Type B	0.35	<b>0 986 320 148</b> □
12	60	335	Black	1.6	8.4	180	Type A	0.35	<b>0 986 320 113</b> □
12	60	335	Black	2.0	8.4	60	Type C	0.35	<b>0 986 320 110</b> <sup>2)</sup>
12	60	335	Black	1.6	8.4	300	Type A	0.35	<b>0 986 320 136</b> □ <sup>3)</sup>
12	60	420	Steel	1.6	8.4	90	Type A	0.35	<b>0 986 320 147</b> □
12	60	420	Steel	1.6	8.4	300	Type A	0.35	<b>0 986 320 133</b> □ <sup>1)</sup>
12	60	420	Steel	2.4	8.7	100	Type A	0.35	<b>0 986 320 140</b> □
12	60	420	Black	1.6	8.4	285	Type B	0.35	<b>0 986 320 149</b> □
12	60	420	Black	1.6	8.4	270	Type A	0.35	<b>0 986 320 114</b> □

**Sets**

Set consisting of 0 986 320 132 and 0 986 320 133	<b>0 986 320 191</b> □ <sup>1)</sup>
Set consisting of high and low tone pre-fitted on 1 bracket	<b>0 986 320 154</b> □

□ SB packaging for sales-promoting POS appearance <sup>1)</sup> No EMC protection <sup>2)</sup> Three-point mounting <sup>3)</sup> Steel tone disk

# FD4



## Application range



### Maximum attention

- ▶ Penetrating, harsh sound for long distances
- ▶ Unobstructed forward propagation of sound

### Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

### Maximum functional reliability

- ▶ Solid mechanical construction
- ▶ Weather-resistant material

### Approved as per EC and ECE directives

- ▶ Including Austria and Switzerland

### Attractive grill design

- ▶ Suitable for external mounting

### Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

### EMC protection included

## Features

Voltage V	Output W	Frequency Hz	Color	a mm	Ø b mm	α Degrees	Connection <sup>1)</sup>	Weight kg	Part number
<b>FD4</b>									
12	60	335	Steel	1.6	8.4	60	Type A	0.36	<b>0 986 320 310</b> □
12	60	420	Steel	1.6	8.4	300	Type A	0.36	<b>0 986 320 311</b> □
24	60	335	Steel	1.6	8.4	270	Type A	0.36	<b>0 986 320 301</b> □
24	60	420	Steel	1.6	8.4	60	Type A	0.36	<b>0 986 320 302</b> □
24	60	335	Black	2.4	8.4	90	Type A	0.36	<b>0 986 320 314</b> □
24	60	335	Black	1.6	8.4	270	Type A	0.36	<b>0 986 320 317</b> □
24	60	335	Black	2.4	8.4	270	Type A	0.36	<b>0 986 320 351</b> □
24	60	335	Black	2.4	10.5	155	Type B	0.36	<b>0 986 320 312</b> □
24	60	420	Black	2.4	8.4	60	Type A	0.36	<b>0 986 320 316</b> □
24	60	420	Black	2.4	8.4	155	Type B	0.36	<b>0 986 320 313</b> □

### FD4 with decorative cover

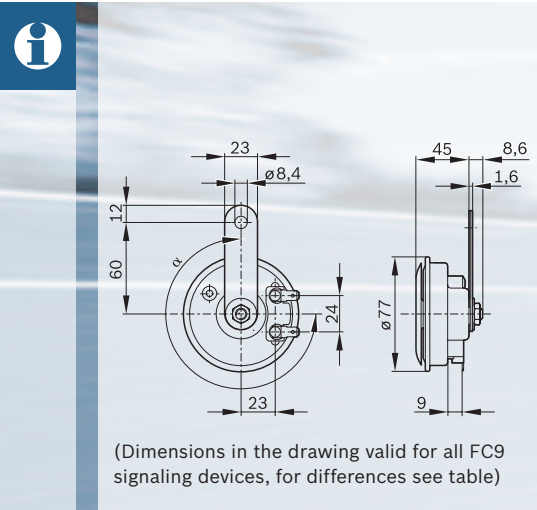
12	60	335	Steel	1.6	8.4	60	Type A	0.4	<b>0 986 320 306</b> □
12	60	420	Steel	1.6	8.4	60	Type A	0.4	<b>0 986 320 307</b> □

### Set

Set consisting of high and low tone 0 986 320 310 and 0 986 320 311	<b>0 986 320 392</b> □
Set consisting of high and low tone 0 986 320 301 and 0 986 320 302	<b>0 986 320 394</b> □
Set consisting of high and low tone 0 986 320 306 and 0 986 320 307	<b>0 986 320 393</b> □

□ SB packaging for sales-promoting POS appearance <sup>1)</sup> Connections identical to FC4

# FC9



### Application range



### High functional reliability

- ▶ Solid mechanical construction
- ▶ Use of weather-resistant materials

### Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

### Easy fitting in minimal space

- ▶ 25% smaller and lighter than normal-tone horns

### Approved as per EC and ECE directives

### Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

### Features

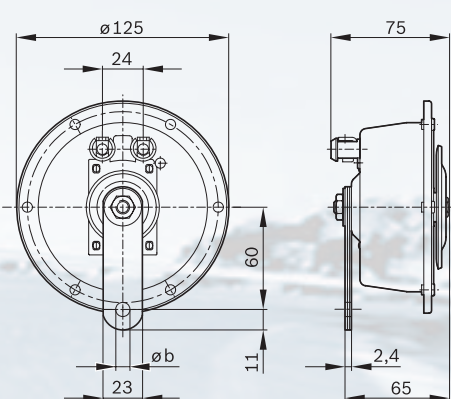
Voltage V	Output W	Frequency Hz	Color	Ø b mm	α Degrees	Weight kg	Part number
<b>FC9</b>							
12	50	335	Steel	8.4	270	0.21	<b>9 320 332 803</b>
12	50	420	Steel	8.4	90	0.21	<b>9 320 332 804</b>
24	50	335	Steel	8.4	90	0.21	<b>6 033 FB4 102</b>
24	50	420	Steel	8.4	270	0.21	<b>6 033 FB4 103</b>

### Sets

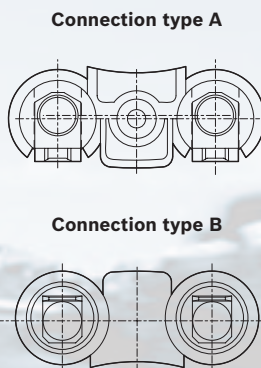
Set consisting of high and low tone 9 320 332 803 and 9 320 332 804	<b>9 320 332 802</b>
Set consisting of high and low tone 6 033 FB4 102 and 6 033 FB4 103	<b>6 033 FB4 147</b>



# Supertone horn



(Dimensions in the drawing valid for all supertone horns, for differences see table)



## Application range



## Maximum attention

- ▶ Penetrating, harsh sound for long distances
- ▶ Unobstructed forward propagation of sound

## Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

## Maximum functional reliability

- ▶ Solid mechanical construction
- ▶ Pressure compensation with microporous Teflon filter
- ▶ Weather-resistant material

## Approved as per EC and ECE directives

- ▶ Including Austria and Switzerland

## Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

## EMC protection included

## Features

Voltage V	Output W	Frequency Hz	Color	Ø b mm	Connection	Weight kg	Part number
<b>Supertone horn standard</b>							
12	60	300	Black / silver	10.5	Type A	0.9	<b>0 320 223 021</b>
12	60	375	Black / silver	10.5	Type A	0.9	<b>0 320 223 022</b> □
24	60	300	Black / silver	10.5	Type A	0.9	<b>0 320 226 007</b> □
24	60	375	Black / silver	10.5	Type A	0.9	<b>0 320 226 008</b> □
24	60	500	Black / silver	10.5	Type A	0.9	<b>0 320 226 009</b> □
12	60	375	Black	8.4	Type B	0.9	<b>0 320 223 201</b> □
12	60	375	Black	10.5	Type B	0.9	<b>0 320 223 011</b> □
12	60	500	Black	10.5	Type B	0.9	<b>0 320 223 012</b> □
24	60	375	Black	10.5	Type A	0.9	<b>0 320 226 010</b> □
24	60	375	Black	10.5	Type B	0.9	<b>0 320 226 011</b> □
24	60	500	Black	10.5	Type B	0.9	<b>0 320 226 012</b> □

## Supertone horn with decorative ring for priority vehicles (police, fire-fighting, ambulance etc.)

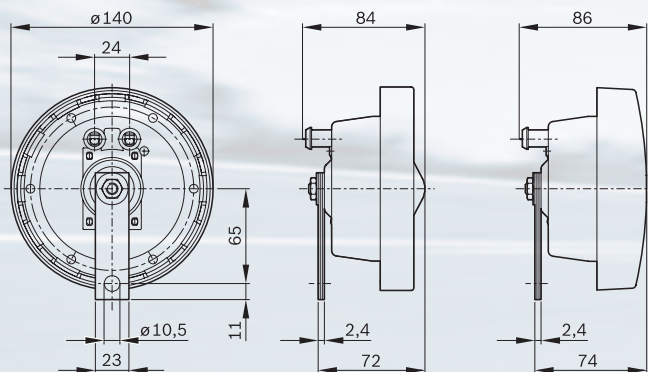
12	60	375	Black	10.5	Type A	0.9	<b>0 320 223 002</b> □
12	60	500	Black	10.5	Type A	0.9	<b>0 320 223 003</b> □
24	60	375	Black	10.5	Type A	0.9	<b>0 320 226 002</b> □
24	60	500	Black	10.5	Type A	0.9	<b>0 320 226 003</b> □

## Tone-sequence switch for controlling the interval tone for priority vehicles

12	<b>0 335 411 015</b> □
24	<b>0 335 411 016</b> □

□ SB packaging for sales-promoting POS appearance

# Supertone horn



### Application range



### Maximum attention

- ▶ Penetrating, harsh sound for long distances
- ▶ Unobstructed forward propagation of sound

### Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

### Maximum functional reliability

- ▶ Solid mechanical construction
- ▶ Pressure compensation with microporous Teflon filter
- ▶ Weather-resistant material

### EMC protection included

### Approved as per EC and ECE directives

- ▶ Including Austria and Switzerland

### Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

### Features

Voltage V	Output W	Frequency Hz	Color	Connection	Weight kg	Part number
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#### Supertone horn with decorative ring

12	60	300	Silver	Type A	0.95	<b>0 320 223 016</b> <input type="checkbox"/>
12	60	375	Silver	Type A	0.95	<b>0 320 223 017</b> <input type="checkbox"/>
24	60	300	Silver	Type A	0.95	<b>0 320 226 016</b> <input type="checkbox"/>
24	60	375	Silver	Type A	0.95	<b>0 320 226 017</b> <input type="checkbox"/>

#### Supertone horn with decorative grill

12	60	300	Black	Type A	0.95	<b>0 320 223 804</b> <input type="checkbox"/>
12	60	375	Black	Type A	0.95	<b>0 320 223 805</b> <input type="checkbox"/>
24	60	300	Black	Type A	0.95	<b>0 320 226 004</b> <input type="checkbox"/>
24	60	375	Black	Type A	0.95	<b>0 320 226 005</b> <input type="checkbox"/>
12	60	300	Chromium-plated	Type A	0.95	<b>0 320 223 144</b> <input type="checkbox"/>
12	60	375	Chromium-plated	Type A	0.95	<b>0 320 223 145</b> <input type="checkbox"/>

### Sets

Set consisting of high and low tone 0 320 223 016 and 0 320 223 017 **0 320 223 911**

Set consisting of high and low tone 0 320 223 804 and 0 320 223 805 **0 320 223 910**

#### Supertone horn with decorative ring for priority vehicles (police, fire-fighting, ambulance etc.)

12		375	Silver	Type A	0.95	<b>0 320 223 008</b> <input type="checkbox"/>
12		500	Silver	Type A	0.95	<b>0 320 223 009</b> <input type="checkbox"/>

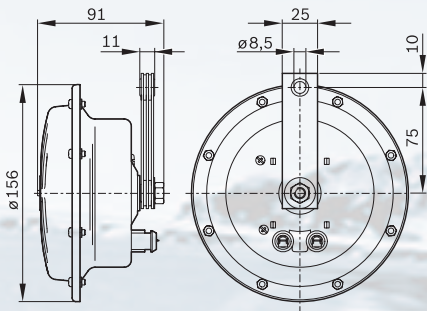
#### Tone-sequence switch for controlling the interval tone for priority vehicles

12					0.95	<b>0 335 411 015</b> <input type="checkbox"/>
24					0.95	<b>0 335 411 016</b> <input type="checkbox"/>

SB packaging for sales-promoting POS appearance



# Megatone



### Application range



### Penetrating signal tone

- ▶ 118 dB (A) signal tone with long range

### Attractive design

- ▶ High-quality chromium-plated protective grill
- ▶ Suitable for visible mounting

### Maximum functional reliability

- ▶ Optimum-quality diaphragm and contact points

### Tested quality

- ▶ Type-tested under EU directives

### EMC protection included

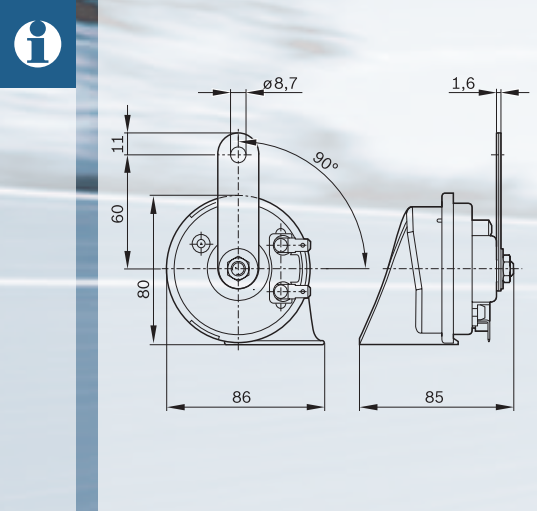
### Features

Voltage V	Output W	Frequency Hz Low tone/ High tone	Color	Weight	Part number
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### Megatone

Set consisting of 0 986 AH0 201 and 0 986 AH0 202	48	325/400	Silver	1,2	<b>0 986 AH0 203</b>
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# EC9 – EVO



**Application range**



**Maximum attention**

- ▶ Soft melodic sound, even over long distances
- ▶ Unobstructed forward propagation of sound

**Long service life and reliable quality**

- ▶ Insensitive to rust and stone impacts

**Maximum functional reliability**

- ▶ Fracture-proof and corrosion-free plastic trumpet
- ▶ Pressure compensation with microporous Teflon filter
- ▶ Vibration-resistant

**Powerful tone**

- ▶ 110 dB (A) at a distance of 2 meters

**EMC protection included**

**Approved as per EC and ECE directives**

**Features**

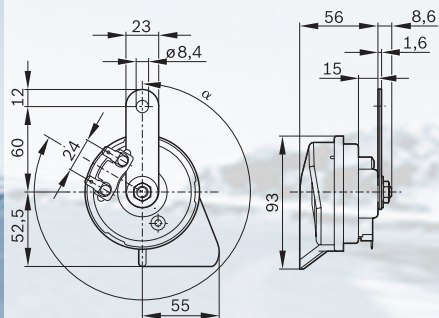
Voltage V	Output W	Frequency Hz	Color	Weight kg	Part number
<b>Fanfare EC9</b>					
12	60	420	Black	0.31	6 033 FB2 011 <sup>1)</sup>
12	60	420	Black	0.31	6 033 FB1 012 <sup>1)</sup>
12	60	420	Black	0.31	6 033 FB1 213 <sup>2)</sup>
12	60	510	Black	0.31	6 033 FB1 214 <sup>2)</sup>
12	60	420	Red	0.31	9 320 335 111 <sup>1)</sup>
12	60	510	Red	0.31	9 320 335 112 <sup>1)</sup>
12	60	420	Chromium-plated	0.31	6 033 FB1 194 <sup>1)</sup>
12	60	510	Chromium-plated	0.31	6 033 FB1 195 <sup>1)</sup>

**Sets**

Set consisting of 9 320 335 012 and 9 320 335 013	0.62	9 320 335 007 <input type="checkbox"/>
Set consisting of 6 033 FB1 213 and 6 033 FB1 214	0.62	6 033 FB1 217 <input type="checkbox"/>
Set consisting of 9 320 335 111 and 9 320 335 112	0.62	9 320 335 113 <input type="checkbox"/>
Set consisting of 6 033 FB1 194 and 6 033 FB1 195	0.62	6 033 FB1 193 <input type="checkbox"/>
Set consisting of relays, small parts and fitting instructions, in black	0.62	9 320 335 052 <input type="checkbox"/>

SB packaging for sales-promoting POS appearance <sup>1)</sup> Galvanized housing <sup>2)</sup> Housing painted black

## EC9-C



(Dimensions in the drawing valid for all EC9-C signaling devices, for differences see table)



### Application range



### Maximum attention

- ▶ High volumes achieved in direction of travel

### Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

### Upright installation

- ▶ Upright installation trumpet underneath
- ▶ Can be used as replacement for horns
- ▶ Particularly suitable for restricted installation conditions

### Approved as per DIN and ECE regulations

### Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

### EMC protection included

### Features

Voltage V	Output W	Frequency Hz	Color	$\alpha$ Degrees	Weight kg	Part number
<b>Fanfare EC9-C</b>						
12	60	420	Black	60	0.2	<b>9 320 335 207</b>
12	60	510	Black	300	0.2	<b>9 320 335 208</b>
12	60	420	Chromium-plated	60	0.2	<b>6 033 FB1 505</b>
12	60	510	Chromium-plated	300	0.2	<b>6 033 FB1 506</b>

### Sets

Set consisting of 9 320 335 207 and 9 320 335 208

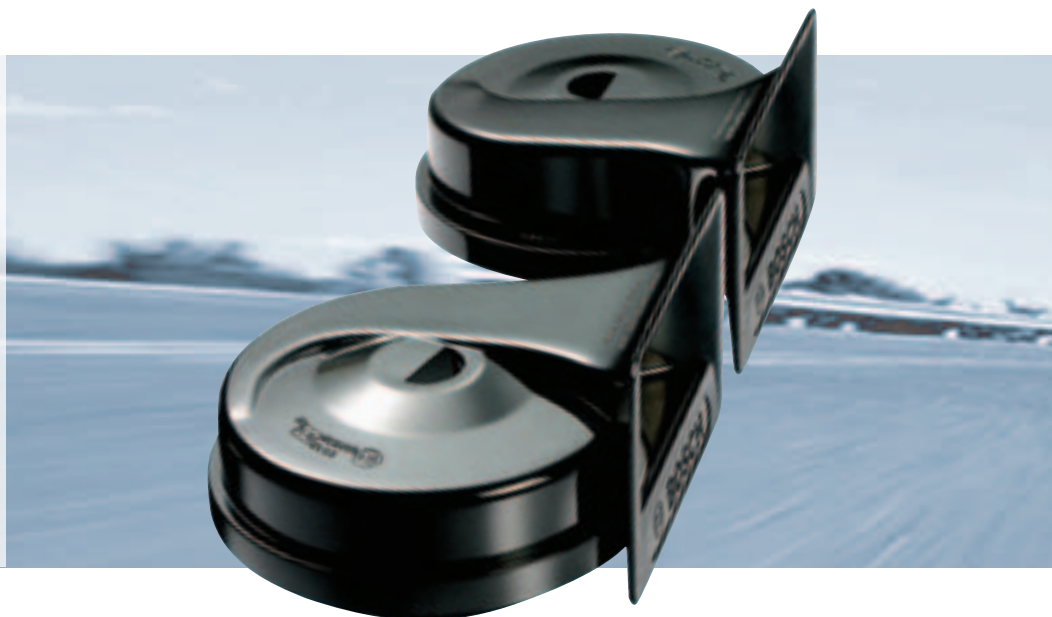
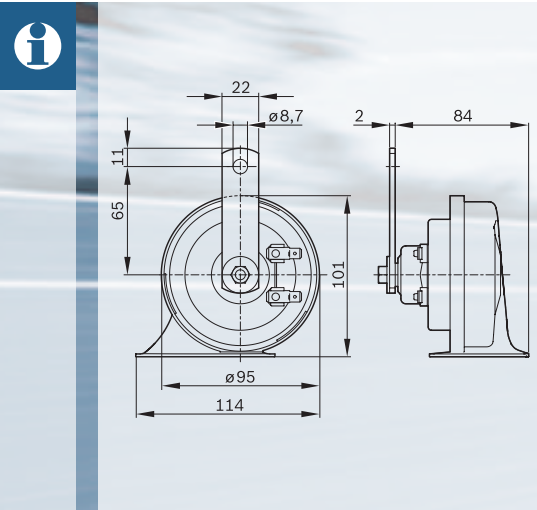
**9 320 335 206**

Set consisting of 6 033 FB1 505 and 6 033 FB1 506

**6 033 FB1 510**

SB packaging for sales-promoting POS appearance

# Windtone



### Application range



### Audible safety

- ▶ Always a penetrating, pure warning tone even under the toughest of conditions

### Long service life and reliable quality

- ▶ Optimum-quality diaphragm and contact points

### Tested quality

- ▶ Approved as per ECE standards

### Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

### EMC protection included

### Features

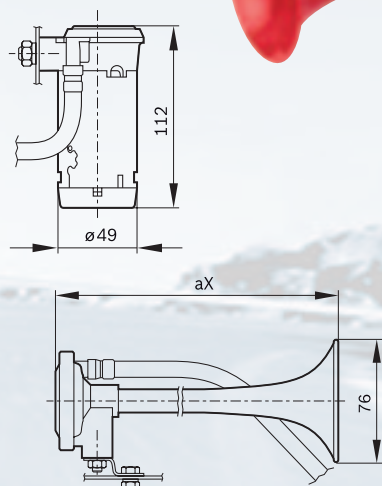
Voltage V	Output W	Frequency Hz	Color	Part number
<b>Windtone</b>				
12	60	420	Black	<b>0 986 AH0 501</b>
12	60	500	Black	<b>0 986 AH0 502</b>
12	60	420	Red	<b>0 986 AH0 505</b>
12	60	500	Red	<b>0 986 AH0 506</b>

### Sets

Set consisting of 0 986 AH0 501 and 0 986 AH0 502	<b>0 986 AH0 503</b> <input type="checkbox"/>
Set consisting of 0 986 AH0 505 and 0 986 AH0 506	<b>0 986 AH0 507</b> <input type="checkbox"/>

- SB packaging for sales-promoting POS appearance

# Compressor fanfare



## Application range



### Full power of 117 dB (A)

- ▶ Effective and harmonious sound in city and rural traffic

### The best ratio between size and performance

- ▶ The best acoustic efficiency currently on the market

### Compressor included

- ▶ Powerful and maintenance-free

### Maximum functional reliability

- ▶ Impact-proof and weather-resistant plastic trumpet

### Fast response time

- ▶ Between pressing the horn and hearing the tone

### Easy fitting

- ▶ Quick installation thanks to two-hole mounting and blade terminal



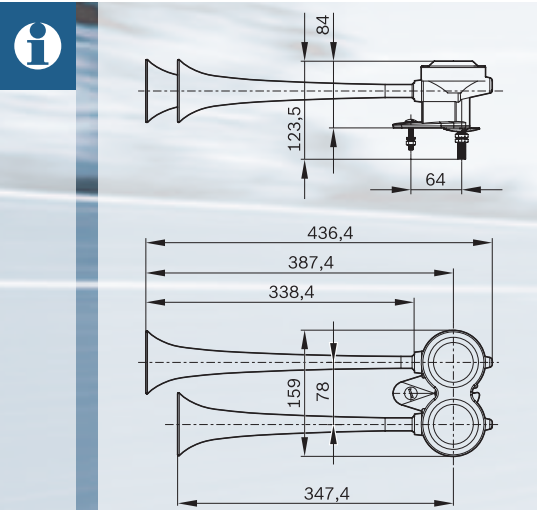
## Features

Voltage V	Output W	Frequency 1 Hz	Frequency 2 Hz	Frequency 3 Hz	a1 mm	a2 mm	a3 mm	Weight kg	Part number
<b>Mini compressor fanfares</b>									
12	240	795	840	–	166	158	–	0.7	0 986 320 003 □
<b>Two-tone compressor fanfares</b>									
12	240	630	795	–	217	166	–	0.7	0 328 003 024 □
24	240	630	795	–	217	166	–	0.7	0 328 006 002 □
<b>Three-tone compressor fanfares</b>									
12	240	630	795	840	217	166	158	0.8	0 328 003 025 □
<b>Replacement compressor</b>									
12	240	–	–	–	–	–	–	–	1 327 223 006
24	240	–	–	–	–	–	–	–	1 327 223 005

□ SB packaging for sales-promoting POS appearance



# Compressed-air fanfare



### Application range



### Maximum attention

- ▶ with penetrating two-tone signal audible over long distances

### Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

### Attractive design

- ▶ Two chromium-plated metal trumpets with black base

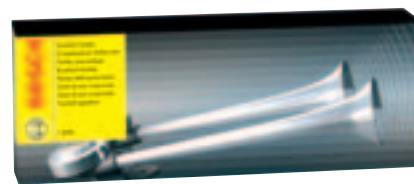
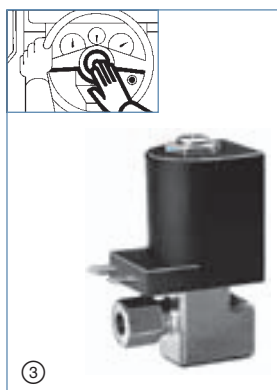
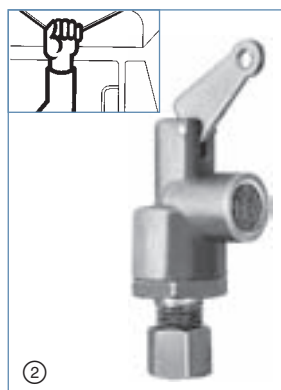
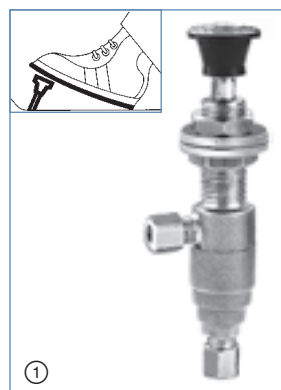
### Approved as per German StVZO (FMVSS/CUR) and EC directives

### Powerful tone

- ▶ 118 dB (A) at a distance of 2 meters

### Secure mounting

- ▶ Secured and fixed anchorage using two-point mounting



### Features

Pressure range bar	Volume dB (A)	Frequency Hz	Color	Connection	Weight kg	Part number
5 ... 8	118	300 / 320	Chromium-plated	for on-board compressor	1.2	<b>0 328 100 002</b> □

### Accessories

Description	Fitting	Illustration	Part number
Foot valve:	Fitted on floor of driver's cabin. Operated by foot pressure.	1	<b>1 327 011 003</b>
Pull valve:	Fitted on roof of driver's cabin. Operated by pulling.	2	<b>1 327 011 004</b>
Electric valve (24V):	Fitted in engine compartment. Operated using existing horn button.	3	<b>1 327 011 002</b>

### Accessories for horns and fanfares (order separately)



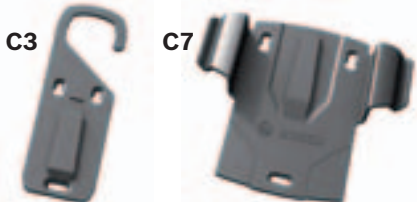
Protects connections against dirt and moisture to increase weather resistance	<b>3 340 522 025</b> <sup>1)</sup>
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□ SB packaging for sales-promoting POS appearance <sup>1)</sup> Two units must be ordered for horns



# Battery charger

Available from 03.2010

Figure	Type	Part number																																
<p><b>Battery charger C3</b></p> 	<p><b>Nominal specification (primary)</b></p> <table border="1"> <tr><td>Nominal voltage:</td><td>220–240 V~ 50/60 Hz</td></tr> <tr><td>Cutin current:</td><td>&gt; 50 A</td></tr> <tr><td>Calculation input voltage:</td><td>max. 0.6 A (Effective value)</td></tr> <tr><td>Rated input:</td><td>60 W</td></tr> </table> <p><b>Nominal specification (secondary)</b></p> <table border="1"> <tr><td>Calculation voltage:</td><td>6 V/12 V</td></tr> <tr><td>Charge voltage:</td><td>7.2 V (±0.25 V) 14.4 V (±0.25 V) 14.7 V (±0.25 V)</td></tr> <tr><td>Charging current:</td><td>0.8 A (±10%) 3.6 A (±10%) 3.8 A (±10%)</td></tr> <tr><td>Rated current:</td><td>0.8 A/3.8 A</td></tr> <tr><td>Ripple ondulation:</td><td>max. 150 mV</td></tr> <tr><td>Return current:</td><td>&lt; 5 mA (no AC-input)</td></tr> <tr><td>Degree of protection:</td><td>IP 65 (dust-protected, waterproof)</td></tr> <tr><td>Battery type:</td><td>6 V, 12 V lead-acid battery (AGM, GEL, Open and VRLA)</td></tr> <tr><td>Battery capacity:</td><td>6 V=, 1.2–14 Ah/12 V=, 14–120 Ah</td></tr> <tr><td>Noise level:</td><td>&gt; 50 dB</td></tr> <tr><td>Surrounding temperature:</td><td>0 to 40°C</td></tr> <tr><td>Accessories:</td><td>In scope of delivery</td></tr> </table>	Nominal voltage:	220–240 V~ 50/60 Hz	Cutin current:	> 50 A	Calculation input voltage:	max. 0.6 A (Effective value)	Rated input:	60 W	Calculation voltage:	6 V/12 V	Charge voltage:	7.2 V (±0.25 V) 14.4 V (±0.25 V) 14.7 V (±0.25 V)	Charging current:	0.8 A (±10%) 3.6 A (±10%) 3.8 A (±10%)	Rated current:	0.8 A/3.8 A	Ripple ondulation:	max. 150 mV	Return current:	< 5 mA (no AC-input)	Degree of protection:	IP 65 (dust-protected, waterproof)	Battery type:	6 V, 12 V lead-acid battery (AGM, GEL, Open and VRLA)	Battery capacity:	6 V=, 1.2–14 Ah/12 V=, 14–120 Ah	Noise level:	> 50 dB	Surrounding temperature:	0 to 40°C	Accessories:	In scope of delivery	<p><b>0 189 999 030</b></p>
Nominal voltage:	220–240 V~ 50/60 Hz																																	
Cutin current:	> 50 A																																	
Calculation input voltage:	max. 0.6 A (Effective value)																																	
Rated input:	60 W																																	
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Charge voltage:	7.2 V (±0.25 V) 14.4 V (±0.25 V) 14.7 V (±0.25 V)																																	
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Rated current:	0.8 A/3.8 A																																	
Ripple ondulation:	max. 150 mV																																	
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Battery type:	6 V, 12 V lead-acid battery (AGM, GEL, Open and VRLA)																																	
Battery capacity:	6 V=, 1.2–14 Ah/12 V=, 14–120 Ah																																	
Noise level:	> 50 dB																																	
Surrounding temperature:	0 to 40°C																																	
Accessories:	In scope of delivery																																	
<p><b>Battery charger C7</b></p> 	<p><b>Nominal specification (primary)</b></p> <table border="1"> <tr><td>Nominal voltage:</td><td>220–240 V~ 50/60 Hz</td></tr> <tr><td>Cutin current:</td><td>&gt; 50 A</td></tr> <tr><td>Calculation input voltage:</td><td>max. 1.2 A (Effective value)</td></tr> <tr><td>Rated input:</td><td>135 W</td></tr> </table> <p><b>Nominal specification (secondary)</b></p> <table border="1"> <tr><td>Calculation voltage:</td><td>12 V/24 V</td></tr> <tr><td>Charge voltage:</td><td>14.4 V/14.7 V (±0.25 V) 13.6 V/16.5 V (±0.25 V) 28.8 V/29.4 V (±2%)</td></tr> <tr><td>Charging current:</td><td>1.5 A (±10%) 3.0 A (±10%) 3.5 A (±10%) 5.0 A (±10%) 7.0 A (±10%)</td></tr> <tr><td>Rated current:</td><td>3.5 A/7.0 A</td></tr> <tr><td>Ripple ondulation:</td><td>max. 150 mV</td></tr> <tr><td>Return current:</td><td>&lt; 5 mA (no AC-input)</td></tr> <tr><td>Degree of protection:</td><td>IP 65 (dust-protected, waterproof)</td></tr> <tr><td>Battery type:</td><td>12 V, 24 V lead-acid battery (AGM, GEL, Open and VRLA)</td></tr> <tr><td>Battery capacity:</td><td>12 V=, 14–230 Ah/24 V=, 14–120 Ah</td></tr> <tr><td>Noise level:</td><td>&gt; 50 dB</td></tr> <tr><td>Surrounding temperature:</td><td>0 to 40°C</td></tr> <tr><td>Accessories:</td><td>In scope of delivery</td></tr> </table>	Nominal voltage:	220–240 V~ 50/60 Hz	Cutin current:	> 50 A	Calculation input voltage:	max. 1.2 A (Effective value)	Rated input:	135 W	Calculation voltage:	12 V/24 V	Charge voltage:	14.4 V/14.7 V (±0.25 V) 13.6 V/16.5 V (±0.25 V) 28.8 V/29.4 V (±2%)	Charging current:	1.5 A (±10%) 3.0 A (±10%) 3.5 A (±10%) 5.0 A (±10%) 7.0 A (±10%)	Rated current:	3.5 A/7.0 A	Ripple ondulation:	max. 150 mV	Return current:	< 5 mA (no AC-input)	Degree of protection:	IP 65 (dust-protected, waterproof)	Battery type:	12 V, 24 V lead-acid battery (AGM, GEL, Open and VRLA)	Battery capacity:	12 V=, 14–230 Ah/24 V=, 14–120 Ah	Noise level:	> 50 dB	Surrounding temperature:	0 to 40°C	Accessories:	In scope of delivery	<p><b>0 189 999 070</b></p>
Nominal voltage:	220–240 V~ 50/60 Hz																																	
Cutin current:	> 50 A																																	
Calculation input voltage:	max. 1.2 A (Effective value)																																	
Rated input:	135 W																																	
Calculation voltage:	12 V/24 V																																	
Charge voltage:	14.4 V/14.7 V (±0.25 V) 13.6 V/16.5 V (±0.25 V) 28.8 V/29.4 V (±2%)																																	
Charging current:	1.5 A (±10%) 3.0 A (±10%) 3.5 A (±10%) 5.0 A (±10%) 7.0 A (±10%)																																	
Rated current:	3.5 A/7.0 A																																	
Ripple ondulation:	max. 150 mV																																	
Return current:	< 5 mA (no AC-input)																																	
Degree of protection:	IP 65 (dust-protected, waterproof)																																	
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Noise level:	> 50 dB																																	
Surrounding temperature:	0 to 40°C																																	
Accessories:	In scope of delivery																																	
<p><b>Accessories</b></p> 	<table border="1"> <tr><td>Hook for mobile application (C3)</td><td>0 189 999 130</td></tr> <tr><td>Wall-holding device (C7)</td><td>0 189 999 170</td></tr> </table>	Hook for mobile application (C3)	0 189 999 130	Wall-holding device (C7)	0 189 999 170																													
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Wall-holding device (C7)	0 189 999 170																																	


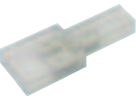

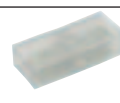



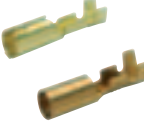
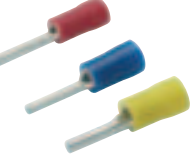


# Cable connectors

Universally applicable







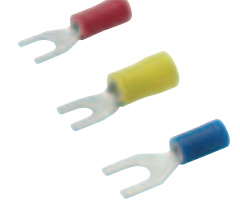


Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm <sup>2</sup>	Colour	Material/finish*)	Qty. per pack	Part number
	<b>Blade terminal</b>	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	100	<b>8 784 480 010</b>
				1.5–2.5	blue	CuZn/tin-plated	100	<b>8 784 480 011</b>
	<b>Blade terminal</b>	2.8	0.8	0.5–1.0		CuZn/bright	100	<b>7 781 700 006</b>
		6.3	0.8	0.5–1.0		CuZn/bright	100	<b>7 781 700 007</b>
				0.75–1.5		CuZn/bright	100	<b>7 781 700 008</b>
				1.5–2.5		CuZn/bright	100	<b>7 781 700 010</b>
	<b>Blade terminal with locking lance</b>	6.3	0.8	1.0–1.5		CuZn/tin-plated	100	<b>7 781 700 009</b>
	<b>Blade receptacle</b>	2.8	0.5/0.8	0.5–1.0	red	CuZn/tin-plated	100	<b>1 901 355 866</b>
		4.8	0.8	0.5–1.0	red	CuZn/tin-plated	100	<b>1 901 355 876</b>
		6.3	0.8	0.5–1.0	red	CuZn/tin-plated	100	<b>1 901 355 880</b>
				1.5–2.5	blue	CuZn/tin-plated	100	<b>1 901 355 881</b>
				4.0–6.0	yellow	CuZn/tin-plated	50	<b>1 901 355 882</b>
		8.0	0.8	1.5–2.5	blue	CuZn/tin-plated	50	<b>8 781 355 810</b>
9.5	1.2	4.0–6.0	yellow	CuZn/tin-plated	50	<b>8 781 355 811</b>		
	<b>Blade terminal with isolation</b>	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	50	<b>8 784 478 014</b>
				1.5–2.5	blue	CuZn/tin-plated	50	<b>8 784 478 015</b>
	<b>Blade receptacle</b>	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	50	<b>7 781 700 029</b>
				1.5–2.5	blue	CuZn/tin-plated	50	<b>7 781 700 030</b>
				4.0–6.0	yellow	CuZn/tin-plated	50	<b>7 781 700 031</b>
	<b>Blade receptacle</b>	2.8	0.5/0.8	0.5–1.0		CuZn/bright	100	<b>1 904 478 301</b>
		4.8	0.5	0.5–1.0		CuZn/bright	100	<b>1 904 478 325</b>
			0.8	1.5–2.5		CuZn/bright	100	<b>1 904 478 331</b>
		6.3	0.8	0.5–1.0		CuZn/bright	100	<b>1 901 355 835</b>
				1.5–2.5		CuZn/bright	100	<b>1 901 355 836</b>
				4.0–6.0		CuZn/bright	100	<b>1 901 355 837</b>
		8.0	0.8	1.0–2.5		CuZn/bright	50	<b>8 784 477 007</b>
9.5	0.8	4.0–6.0		CuZn/bright	50	<b>1 904 478 350</b>		
	<b>Blade receptacle</b>	6.3	0.8	1.0–2.5		CuZn/bright	100	<b>8 784 477 008</b>
		9.5	1.2	2.5–4.0		CuZn/bright	50	<b>7 781 700 012</b>
	<b>Blade receptacle with locking lance</b>	4.8	0.8	0.5–1.5		CuSn/tin-plated	25	<b>1 904 492 016</b>
		6.3	0.8	0.5–1.0		CuZn/bright	100	<b>1 901 355 968</b>
				1.5–2.5		CuZn/bright	100	<b>1 901 355 975</b>
						CuZn/tin-plated	100	<b>1 901 355 895</b>
		4.0–6.0		CuZn/bright	50	<b>1 901 355 981</b>		
	<b>Blade receptacle with branch</b>	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	50	<b>1 901 360 820</b>
				1.5–2.5	blue	CuZn/tin-plated	50	<b>1 901 360 821</b>
	<b>Preductive cover for blade receptacle</b>	6.3	0.8		transparent	Polyethylenatur	50	<b>8 790 451 002</b>
	<b>Multiple-blade connector 2-fold</b>	6.3	0.8			CuZn/bright	100	<b>1 901 360 810</b>

\*) CuSn = bronze. CuZn = brass



Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm <sup>2</sup>	Colour	Material/finish*)	Qty. per pack	Part number
	<b>Multiple-blade connector</b> 3-fold	6.3	0.8			CuZn/bright	50	<b>8 781 360 800</b>
	<b>Multiple-blade connector</b> 3-fold	6.3	0.8			CuZn/nickel-plated	50	<b>8 784 479 006</b>
	<b>Multiple-blade connector</b> 4 way	6.3	0.8			CuZn/nickel-plated	50	<b>8 784 479 005</b>
	<b>Flat connector</b>	6.3	0.8			CuZn/tin-plated	50	<b>8 781 360 810</b>
	<b>Pin terminal</b>	Ø 4.0 Ø 5.0		0.5–1.0	red	CuZn/tin-plated	100	<b>8 784 480 000</b>
				1.5–2.5	blue	CuZn/tin-plated	100	<b>8 784 480 001</b>
	<b>Pin terminal</b>	Ø 4.0 Ø 5.0		0.5–1.0		CuZn/bright	100	<b>7 781 700 013</b>
				1.5–2.5		CuZn/bright	100	<b>7 781 700 014</b>
				1.5–2.5		CuZn/bright	100	<b>7 781 700 015</b>
	<b>Pin receptacle</b>	Ø 4.0 Ø 5.0		0.5–1.0	red	CuZn/tin-plated	100	<b>8 781 355 000</b>
				1.5–2.5	blue	CuZn/tin-plated	50	<b>8 781 355 800</b>
	<b>Pin receptacle</b>	Ø 3.5 Ø 4.5		0.5–1.0		CuZn/bright	100	<b>7 781 700 000</b>
				1.5–2.5		CuSn/blank	100	<b>7 781 700 004</b>
	<b>Wire pin sleeve</b>	Ø 1.8		0.5–1.0	red	Cu/tin-plated	100	<b>7 781 700 017</b>
				1.5–2.5	blue	Cu/tin-plated	100	<b>8 784 480 009</b>
				4.0–6.0	yellow	Cu/tin-plated	100	<b>7 781 700 018</b>
	<b>Butt coupling</b>			0.5–1.0	red	Cu/tin-plated	100	<b>8 784 485 000</b>
				1.5–2.5	blue	Cu/tin-plated	100	<b>8 784 485 001</b>
				4.0–6.0	yellow	Cu/tin-plated	50	<b>8 784 485 023</b>
	<b>Multiple butt connector</b>			0.5–1.5	blue	Cu/tin-plated	25	<b>8 784 485 024</b>
				4.0	yellow	Cu/tin-plated	25	<b>8 784 485 025</b>

\*) CuSn = bronze. CuZn = brass

**Cable connectors**  
**universally applicable**  
 (continued)


Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm <sup>2</sup>	Colour	Material/finish*)	Qty. per pack	Part number		
	Multiple butt connector			0.5–1.5	red	CuZn/tin-plated	25	<b>7 781 700 027</b>		
				1.5–2.5	blue	CuZn/tin-plated	25	<b>8 784 485 034</b>		
				4.0–6.0	yellow	CuZn/tin-plated	25	<b>7 781 700 028</b>		
	Wire end ferrule			up to 1.0		Cu/tin-plated	100	<b>8 780 422 000</b>		
				1.0–2.5		Cu/tin-plated	100	<b>7 781 700 019</b>		
				4.0–6.0		CuZn/tin-plated	100	<b>7 781 700 020</b>		
	Spark-plug connector					CuSn/bright	50	<b>8 780 499 002</b>		
	Cable lug	M3		0.5–1.0	red	Cu/tin-plated	100	<b>8 781 353 119</b>		
				1.5–2.5	blue	Cu/tin-plated	100	<b>7 781 700 032</b>		
		M4		0.5–1.0	red	Cu/tin-plated	100	<b>8 781 353 121</b>		
				1.5–2.5	blue	Cu/tin-plated	100	<b>8 781 353 125</b>		
				4.0–6.0	yellow	Cu/tin-plated	50	<b>7 781 700 025</b>		
		M5		0.5–1.0	red	Cu/tin-plated	100	<b>8 781 353 122</b>		
				1.5–2.5	blue	Cu/tin-plated	100	<b>8 781 353 126</b>		
				4.0–6.0	yellow	Cu/tin-plated	100	<b>8 781 353 130</b>		
		M6		0.5–1.0	red	Cu/tin-plated	100	<b>7 781 700 021</b>		
				1.5–2.5	blue	Cu/tin-plated	100	<b>8 781 353 127</b>		
				4.0–6.0	yellow	Cu/tin-plated	50	<b>8 781 353 131</b>		
		M8		0.5–1.0	red	Cu/tin-plated	100	<b>7 781 700 022</b>		
				1.5–2.5	blue	Cu/tin-plated	100	<b>8 781 353 128</b>		
		M10		4.0–6.0	yellow	Cu/tin-plated	50	<b>8 781 353 132</b>		
1.5–2.5	blue			Cu/tin-plated	50	<b>7 781 700 023</b>				
	Open cable lug	M4		0.5–1.0	red	Cu/tin-plated	100	<b>8 781 353 007</b>		
				4.0–6.0	yellow	Cu/tin-plated	50	<b>7 781 700 026</b>		
		M5		1.5–2.5	blue	Cu/tin-plated	100	<b>8 781 353 009</b>		
				4.0–6.0	yellow	Cu/tin-plated	50	<b>8 781 353 008</b>		
		M6		1.5–2.5	blue	Cu/tin-plated	100	<b>8 781 353 000</b>		
				4.0–6.0	yellow	Cu/tin-plated	50	<b>8 781 353 001</b>		
			Soldered cable lug	M6		up to 3.0		Cu/tin-plated	5	<b>1 901 353 011</b>
						up to 4.0		Cu/tin-plated	5	<b>1 901 353 003</b>
						up to 5.0		Cu/tin-plated	5	<b>1 901 353 004</b>
				M8		up to 5.0		Cu/tin-plated	5	<b>1 901 353 005</b>
						up to 6.0		Cu/tin-plated	5	<b>1 901 353 006</b>
						up to 8.0		Cu/tin-plated	5	<b>1 901 353 007</b>
				M10		up to 8.0		Cu/tin-plated	5	<b>1 901 353 008</b>
						up to 10.0		Cu/tin-plated	5	<b>1 901 353 009</b>
up to 12.0						Cu/tin-plated	5	<b>1 901 353 010</b>		
	Claw-type cable lug			M4		0.5–2.5		CuZn/bright	100	<b>8 781 354 002</b>
				M5		0.5–2.5		CuZn/bright	100	<b>8 781 354 003</b>
				M6		0.5–2.5		CuZn/bright	100	<b>8 781 354 004</b>
		M8		0.5–2.5		CuZn/bright	100	<b>8 781 354 005</b>		
		M10		4.0–6.0		CuZn/bright	50	<b>8 781 354 006</b>		

\*) CuSn = bronze. CuZn = brass

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm <sup>2</sup>	Colour	Material/finish*)	Qty. per pack	Part number
	Single blade terminal	M3	6.3	–		CuZn/bright	100	<b>1 901 020 801</b>
		M4	6.3	–		CuZn/bright	100	<b>1 901 020 802</b>
		M5	6.3	–		CuZn/bright	100	<b>1 901 020 803</b>
	Double blade terminal	M6	6.3	–		CuZn/bright	50	<b>8 784 477 005</b>

\*) CuSn = bronze. CuZn = brass

### Setbox cable connector set, 175 pcs.

	Design	Contact width mm	For conductor cross section mm <sup>2</sup>	Qty.	Part number
	Blade terminal	6.3	0.5–1.0	10	<b>1 987 532 100</b>
	Blade terminal	6.3	1.5–2.5	10	
	Blade receptacle	6.3	0.5–1.0	10	
	Blade receptacle	6.3	1.5–2.5	10	
	Cable lug	M3	0.5–1.0	10	
	Cable lug	M4	0.5–1.0	10	
	Cable lug	M5	0.5–1.0	10	
	Cable lug	M3	1.5–2.5	10	
	Cable lug	M4	1.5–2.5	10	
	Cable lug	M5	1.5–2.5	10	
	Cable lug	M5	4.0–6.0	10	
	Cable lug	M6	4.0–6.0	10	
	Open cable lug	M4	0.5–1.0	10	
	Open cable lug	M5	1.5–2.5	10	
	Open cable lug	M4	4.0–6.0	10	
	Butt coupling		0.5–1.0	10	
	Butt coupling		1.5–2.5	10	
Butt coupling		4.0–6.0	5		



## Line connectors

Universally applicable – High-performance

Universally applicable. High-performance crimp connectors using shrink sleeve techniques with internal coating

Minimum shrinkage temperature: 100 °C

Permanent application temperature range: -55 °C...+125 °C

100% waterproof



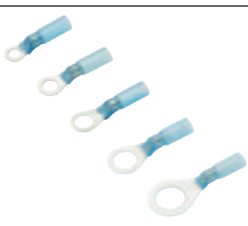




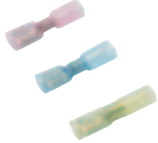


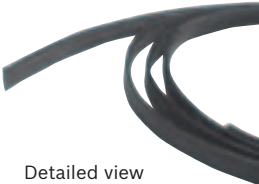

Figure	Design	Contact width	For conductor cross section mm <sup>2</sup>	Colour	Sleeve diameter expanded mm <sup>2</sup>	shrunk mm <sup>2</sup>	Qty. per pack	Part number
	<b>Butt coupling</b>		0.1–0.5	white/ transparent	3.7	1.0	25	<b>1 987 532 035</b>
			0.5–1.5	red/ transparent	4.3	1.4	25	<b>1 987 532 000</b>
			1.5–2.5	blue/ transparent	5.0	1.8	25	<b>1 987 532 001</b>
			4.0–6.0	yellow/ transparent	6.5	2.2	25	<b>1 987 532 002</b>
	<b>Cable lug</b>	M4	0.5–1.5	red/ transparent	4.3	1.4	25	<b>1 987 532 003</b>
		M5	0.5–1.5	red/ transparent	4.3	1.4	25	<b>1 987 532 004</b>
		M6	0.5–1.5	red/ transparent	4.3	1.4	25	<b>1 987 532 005</b>
		M8	0.5–1.5	red/ transparent	4.3	1.4	25	<b>1 987 532 006</b>
		M10	0.5–1.5	red/ transparent	4.3	1.4	25	<b>1 987 532 007</b>
	<b>Cable lug</b>	M4	1.5–2.5	blue/ transparent	5.0	1.8	25	<b>1 987 532 008</b>
		M5	1.5–2.5	blue/ transparent	5.0	1.8	25	<b>1 987 532 009</b>
		M6	1.5–2.5	blue/ transparent	5.0	1.8	25	<b>1 987 532 010</b>
		M8	1.5–2.5	blue/ transparent	5.0	1.8	25	<b>1 987 532 011</b>
		M10	1.5–2.5	blue/ transparent	5.0	1.8	25	<b>1 987 532 012</b>
	<b>Cable lug</b>	M4	4.0–6.0	yellow/ transparent	6.5	2.2	25	<b>1 987 532 013</b>
		M5	4.0–6.0	yellow/ transparent	6.5	2.2	25	<b>1 987 532 014</b>
		M6	4.0–6.0	yellow/ transparent	6.5	2.2	25	<b>1 987 532 015</b>
		M8	4.0–6.0	yellow/ transparent	6.5	2.2	25	<b>1 987 532 016</b>
		M10	4.0–6.0	yellow/ transparent	6.5	2.2	25	<b>1 987 532 017</b>
	<b>Open cable lug</b>	M4	0.5–1.5	red/ transparent	4.3	1.4	25	<b>1 987 532 018</b>
		M5	0.5–1.5	red/ transparent	4.3	1.4	25	<b>1 987 532 019</b>
	<b>Open cable lug</b>	M4	1.5–2.5	blue/ transparent	5.0	1.8	25	<b>1 987 532 020</b>
		M5	1.5–2.5	blue/ transparent	5.0	1.8	25	<b>1 987 532 021</b>
	<b>Open cable lug</b>	M4	4.0–6.0	yellow/ transparent	6.5	2.2	25	<b>1 987 532 022</b>
		M5	4.0–6.0	yellow/ transparent	6.5	2.2	25	<b>1 987 532 023</b>

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm <sup>2</sup>	Colour	Sleeve diameter expanded mm <sup>2</sup>	Sleeve diameter shrunk mm <sup>2</sup>	Qty. per pack	Part number
	<b>Blade receptacle</b>	6.3	0.8	0.5–1.5	red/transp.	6.5	1.4	25	<b>1 987 532 024</b>
		6.3	0.8	1.5–2.5	blue/transp.	6.5	1.8	25	<b>1 987 532 025</b>
		6.3	0.8	4.0–6.0	yellow/transp.	6.5	2.2	25	<b>1 987 532 026</b>
	<b>Blade terminal</b>	6.3	0.8	0.5–1.5	red/transp.	4.3	1.4	25	<b>1 987 532 027</b>
		6.3	0.8	1.5–2.5	blue/transp.	5.0	1.8	25	<b>1 987 532 028</b>
		6.3	0.8	4.0–6.0	yellow/transp.	6.5	2.2	25	<b>1 987 532 029</b>

**Braided sleeve in dispenser box**

	Colour: black Length: 10 m Stretch: 1:2 Permanent application temperature range: -55°C...+130°C	diameter nominal mm	diameter stretched mm	Part number
		10	15	<b>1 987 532 032</b>
		15	27	<b>1 987 532 033</b>
		25	34	<b>1 987 532 034</b>
				
Detailed view				

## Shrink-sleeve sets



Figure	Design	Part number
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Properties of shrink-down tubing:

- Flexible
- Universally applicable
- Shrink rate 2:1
- Permanent application temperature range: -55°C bis 125°C
- Minimum shrinking temperature: 110°C



**Shrink-sleeve set, small**  
 Internal diameter (mm)  
 1.2/2.4/4.8/9.5/19.0/38.0 before shrinking  
 Contents: approx. 30 m (90 ft)  
 Permanent application temperature range:  
 -55°C...+125°C  
 Minimum shrinkage temperature: 110°C

**1 987 532 030**



**Shrink-sleeve set, large**  
 Internal diameter (mm)  
 1.2/1.6/2.4/3.2/4.8/6.4/9.5/12.7 before shrinking  
 Contents: approx. 30 m (90 ft)  
 Shrink rate: 2:1  
 Permanent application temperature range:  
 -55°C...+125°C  
 Minimum shrinkage temperature: 110°C

**1 987 532 031**



**Shrink-sleeve set, with butt coupling**  
 as per DIN-VDE-0293-308

Colour	For conduction cross section mm <sup>2</sup>	Qty.
transparent	0.1-0.5	5
red	0.5-1,5	5
blue	1.5-2.5	20
yellow	4.0-6.0	20

**Thermal-protection shrink-sleeve**

Length mm	Diameter mm	Qty.
70	1.6-0,8	28
	2.4-1,2	28
	3.2-1.6	20
	4.8-2.4	16
	6.4-3.2	12
	6.4-2.0	5
	3.2-1.0	7

**1 987 532 101**

# Cables

## Product presentation



### Materials and markings

- FL** Vehicle cables
- R** Reduced thickness of insulation wall
- Y** PVC insulation
- Sn** Tin-plated conductor
- A** Symmetrical strand layout
- B** Asymmetrical strand layout

### Example

<b>FL</b>	<b>R</b>	<b>Y</b>	<b>A</b>	<b>0.5</b> Nominal cross section
				Strand layout
				PVC insulation
				Reduced thickness of insulation wall
Vehicle cable				

### Color coding

The cable colors are defined as per DIN 47 002/ DIN IEC 304, short symbols as per IEC 757. The color is controlled by comparison with the RAL color register 840R.

### Layout example for copper strands for vehicle cables

#### Asymmetrical strand layout "B"



#### Symmetrical strand layout "A"



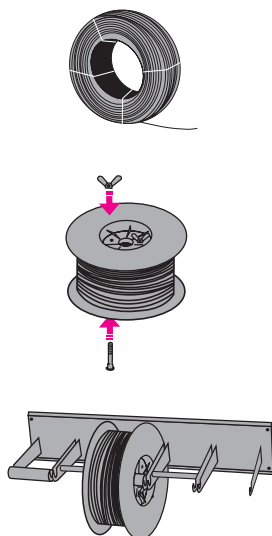
Strands with a symmetrical layout are used where there are significant requirements for a constant insulation wall thickness (particularly for cables with thin wall insulation).

## Design and accessories

Your order is supplied on cardboard rings, diameter  $\varnothing$  125 mm, width 90 mm.

To match the wound rings, we offer:

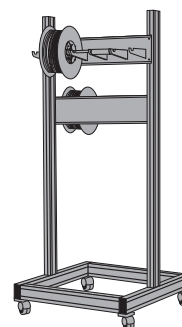
- ▶ Reusable, standardized two-piece plastic cable drums for easy unwinding of the cables.
- ▶ Cable dispenser for up to 5 plastic cable drums. It is possible to store several dispensers on a cable-drum trolley\*.



\* Not included in catalog.

## The benefits for you


- ▶ No empty drums in warehouse
- ▶ No return transport
- ▶ No waste disposal
- ▶ No freight costs
- ▶ No transport damage



Dispenser trolley can be loaded on both sides.

## Vehicle cables



Illustration	Description
<p><b>FLRY</b> Vehicle cable with thin-wall PVC insulation</p> 	<p><b>Conductor:</b> Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722.</p> <p><b>Insulation:</b> Soft PVC with characteristics as per ISO 6722, Class B, lead-free.</p> <p><b>Special characteristics:</b> Temperature range: -40 °C ... +105 °C (3000 h).</p>

Type Description	Conductor cross section mm <sup>2</sup>	Insulation color	Packaging unit m	Part number
<b>FLRY (Type A and B)</b> Conductor, bare, with plastic insulation	0.35 (Type A)	White	500 <sup>1)</sup>	5 998 340 058
		Blue	500 <sup>1)</sup>	5 998 340 104
		Brown	500 <sup>1)</sup>	5 998 340 105
		Black	500 <sup>1)</sup>	5 998 340 057
	0.5 (Type A)	White	500 <sup>1)</sup>	5 998 340 003
		Yellow	500 <sup>1)</sup>	5 998 340 004
		Orange	500 <sup>1)</sup>	5 998 340 011
		Red	500 <sup>1)</sup>	5 998 340 016
		Blue	500 <sup>1)</sup>	5 998 340 010
		Green	500 <sup>1)</sup>	5 998 340 008
		Gray	500 <sup>1)</sup>	5 998 340 007
		Brown	500 <sup>1)</sup>	5 998 340 006
		Black	500 <sup>1)</sup>	5 998 340 009
		0.75 (Type B)	White	500 <sup>1)</sup>
	Yellow		500 <sup>1)</sup>	5 998 340 166
	Red		500 <sup>1)</sup>	5 998 340 175
	Blue		500 <sup>1)</sup>	5 998 340 167
	Green		500 <sup>1)</sup>	5 998 340 168
	Gray		500 <sup>1)</sup>	5 998 340 165
	Brown		500 <sup>1)</sup>	5 998 340 176
	1.0 (Type B)	White	500 <sup>1)</sup>	5 998 340 135
		Yellow	500 <sup>1)</sup>	5 998 340 136
		Red	500 <sup>1)</sup>	5 998 340 177
		Blue	500 <sup>1)</sup>	5 998 340 137
		Green	500 <sup>1)</sup>	5 998 340 138
		Black	500 <sup>1)</sup>	5 998 340 139
	1.5 (Type B)	White	500 <sup>1)</sup>	5 998 340 080
		Yellow	500 <sup>1)</sup>	5 998 340 140
		Red	500 <sup>1)</sup>	5 998 340 051
		Purple	500 <sup>1)</sup>	5 998 340 081
		Blue	500 <sup>1)</sup>	5 998 340 082
		Green	500 <sup>1)</sup>	5 998 340 021
Gray		500 <sup>1)</sup>	5 998 340 142	
Brown		500 <sup>1)</sup>	5 998 340 052	
Black	500 <sup>1)</sup>	5 998 340 056		


<sup>1)</sup> 50 m available on request



## Vehicle cables

Type Description	Conductor cross section mm <sup>2</sup>	Insulation color	Packaging unit m	Part number
<b>FLRY (Type B)</b> Conductor, bare, with plastic insulation	2.5 (Type B)	White	400 <sup>1)</sup>	<b>5 998 340 153</b>
		Yellow	400 <sup>1)</sup>	<b>5 998 340 060</b>
		Red	400 <sup>1)</sup>	<b>5 998 340 024</b>
		Blue	400 <sup>1)</sup>	<b>5 998 340 088</b>
		Green	400 <sup>1)</sup>	<b>5 998 340 062</b>
		Gray	400 <sup>1)</sup>	<b>5 998 340 162</b>
		Brown	400 <sup>1)</sup>	<b>5 998 340 025</b>
	4.0 (Type B)	Black	400 <sup>1)</sup>	<b>5 998 340 091</b>
		White	200 <sup>1)</sup>	<b>5 998 340 049</b>
		Red	200 <sup>1)</sup>	<b>5 998 340 036</b>
		Blue	200 <sup>1)</sup>	<b>5 998 340 039</b>
		Brown	200 <sup>1)</sup>	<b>5 998 340 042</b>
		Black	200 <sup>1)</sup>	<b>5 998 340 044</b>

<sup>1)</sup> 50 m available on request

Illustration	Description
 <p><b>FLY</b> Vehicle cable with PVC insulation</p>	<p><b>Conductor:</b> Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722.</p> <p><b>Insulation:</b> Soft PVC with characteristic as per ISO 6722, Class B, lead-free.</p> <p><b>Special characteristics:</b> Cables with cross sections &gt;6 mm<sup>2</sup> can be used as battery cables. Temperature range: -40 °C ... +90 °C (3000 h).</p>

Type Description	Conductor cross section mm <sup>2</sup>	Insulation color	Packaging unit m	Part number
<b>FLY</b> Conductor, bare, with plastic insulation	0.75	White	100 <sup>1)</sup>	<b>5 998 343 068</b>
		Yellow	100 <sup>1)</sup>	<b>5 998 343 081</b>
		Red	100 <sup>1)</sup>	<b>5 998 343 092</b>
		Blue	100 <sup>1)</sup>	<b>5 998 343 111</b>
		Green	100 <sup>1)</sup>	<b>5 998 343 124</b>
		Gray	100 <sup>1)</sup>	<b>5 998 343 137</b>
		Brown	100 <sup>1)</sup>	<b>5 998 343 145</b>
		Black	100 <sup>1)</sup>	<b>5 998 343 153</b>
	1.00	Red	100 <sup>1)</sup>	<b>5 998 343 016</b>
		Green	100 <sup>1)</sup>	<b>5 998 343 019</b>
		Brown	100 <sup>1)</sup>	<b>5 998 343 020</b>
		Black	100 <sup>1)</sup>	<b>5 998 343 021</b>


<sup>1)</sup> 50 m available on request

Cables (continued)




Type Description	Conductor cross section mm <sup>2</sup>	Insulation color	Packaging unit m	Part number
<b>FLY</b> Conductor, bare, with plastic insulation	1.5	White	100 <sup>1)</sup>	5 998 343 071
		Yellow	100 <sup>1)</sup>	5 998 343 022
		Red	100 <sup>1)</sup>	5 998 343 023
		Blue	100 <sup>1)</sup>	5 998 343 024
		Green	100 <sup>1)</sup>	5 998 343 027
		Gray	100 <sup>1)</sup>	5 998 343 028
		Brown	100 <sup>1)</sup>	5 998 343 029
		Black	100 <sup>1)</sup>	5 998 343 030
		Yellow/red	100 <sup>1)</sup>	5 998 343 085
		Gray/red	100 <sup>1)</sup>	5 998 343 185
		Gray/black	100 <sup>1)</sup>	5 998 343 186
		White/black	100 <sup>1)</sup>	5 998 343 079
		Black/red	100 <sup>1)</sup>	5 998 343 187
		Black/green	100 <sup>1)</sup>	5 998 343 165
	2.5	White	100 <sup>1)</sup>	5 998 343 050
		Yellow	100 <sup>1)</sup>	5 998 343 183
		Red	100 <sup>1)</sup>	5 998 343 001
		Blue	100 <sup>1)</sup>	5 998 343 031
		Green	100 <sup>1)</sup>	5 998 343 034
		Gray	100 <sup>1)</sup>	5 998 343 035
		Brown	100 <sup>1)</sup>	5 998 343 036
		Black	100 <sup>1)</sup>	5 998 343 002
	4.0	Yellow	100 <sup>1)</sup>	5 998 343 184
		Red	100 <sup>1)</sup>	5 998 343 097
		Black	100 <sup>1)</sup>	5 998 343 157
	6.0	Red	50	5 998 343 189
		Blue	50	5 998 343 190
		Black	50	5 998 343 196
	10.0	Red	50	5 998 343 188
		Black	50	5 998 343 191
	16.0	Black	50	5 998 343 192
	25.0	Black	50	5 998 343 193
35.0	Black	25	5 998 343 194	
50.0	Black	25	5 998 343 195	
70.0	Black	25	5 998 343 197	

<sup>1)</sup> 50 m available on request


Illustration	Description
<p><b>FLYY-F</b> Plastic hose for vehicles</p> <p>Illustration shows the 3-core cable</p> 	<p><b>Conductor:</b> Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722.</p> <p><b>Insulation / Sheath:</b> Soft PVC with characteristics as per ISO 6722, Class B, lead-free.</p> <p><b>Special characteristics:</b> Sheathed cable in circular (single core) and flat (multiple core) design.</p>

Type Description	Number of cores x nominal cross section mm <sup>2</sup>	Sheath wall-thickness specified value mm	Insulation color	Packaging unit m	Part number
FLYY-F	1 x 1.5	0.6	Black	50	5 998 351 003
	1 x 2.5	0.6	Black	50	5 998 351 004
	2 x 1.5	0.6	Black	50	5 998 351 101
	3 x 1.5	0.6	Black	50	5 998 351 105



Illustration	Description
<p><b>FLYY</b> Plastic sheathed cable for vehicles</p> <p>Illustration shows the 7-core cable</p> 	<p><b>Conductor:</b> Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722, stranded cores.</p> <p><b>Insulation / Sheath:</b> Soft PVC with characteristics as per ISO 6722, Class B, lead-free.</p>

Type Description	Number of cores x nominal cross section mm <sup>2</sup>	Core colors <sup>1)</sup>	Color of sheath	Packaging unit m	Part number
FLYY	5 x 1.5	ge, ws, gn, br, sw	Black	50	<b>5 998 352 013</b>
	7 x 1.5	ge, bl, ws, gn, br, rt, sw	Black	50	<b>5 998 352 018</b>
	8 x 1.5	ge, bl, ws, gn, br, rt, sw, vi	Black	50	<b>5 998 352 021</b>

Illustration	Description
<p><b>FLYZ</b> PVC twin cable</p> 	<p><b>Conductor:</b> Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722.</p> <p><b>Insulation:</b> Soft PVC with characteristics as per ISO 6722. Class B, lead-free.</p> <p><b>Special characteristics:</b> Suitable for use as speaker cable. Temperature range: -40°C ... +105°C (3000 h).</p>

Type Description	Number of cores x nominal cross section mm <sup>2</sup>	Insulation color <sup>1)</sup>	Packaging unit m	Part number
FLYZ	2 x 0.75	br/br-rt	50	<b>7 781 999 939</b>
	2 x 1.50	Black	50	<b>7 781 999 950</b>

<sup>1)</sup> Colors: ge = Yellow, bl = Blue, ws = White, gn = Green, br = Brown, rt = Red, sw = Black, gnge = Green/yellow, hbl = Light blue, vi = Purple


Cables (continued)




Illustration	Description
<p><b>XYMHY-O</b> FLYY 9 x 1.5 + 4 x 2.5 (fine-wire copper cable with light plastic insulation)</p>	<p><b>Conductor:</b> Cu wire, bare, Cu ETP 1 as per EN 13602, stranded cores. <b>Insulation:</b> PVC, lead-free.</p>

Type Description	Cores	Conductor structure nom. mm	Cross section nom. mm <sup>2</sup>	Color of sheath	Packaging unit m	Part number
XYMHY-O	1, 2, 4, 5, 6, 7, 8, 11, 12	30 x 0.25	1.5	Black	25	1 987 352 005
	3, 9, 10, 13	50 x 0.25	2.5			

Industrial cables

Illustration	Description
<p><b>H 05 RR-F</b> Light rubber sheathed cable</p> <p>Illustration shows the 4-core cable</p> 	<p><b>Conductor:</b> Fine-wire copper cable with light rubber insulation, stranded cores. <b>Insulation / Sheath:</b> Rubber compound as per VDE 0282. <b>Special characteristics:</b> Nominal voltage <math>U_0/U</math>: 300 V/500 V.</p>


Type Description	Number of cores x nominal cross section mm <sup>2</sup>	Core colors <sup>1)</sup>	Color of sheath	Packaging unit m	Part number
H 05 RR-F	2 x 0.75	br, hbl	Black	50	6 244 001 203
	2 x 1.50	br, hbl	Black	50	6 244 001 205
	3 x 1.50	gnge, br, hbl	Black	50	6 244 002 305
	3 x 2.50	gnge, br, hbl	Black	50	6 244 002 306
	4 x 1.50	gnge, sw, hbl, br	Black	50	6 244 002 405

Illustration	Description
<p><b>H 05 VV-F</b> Medium PVC sheathed cable</p> <p>Illustration shows the 4-core cable</p> 	<p><b>Conductor:</b> Fine-wire copper cable with plastic insulation, individual wires bare, stranded cores. <b>Insulation:</b> Thermoplastic PVC, lead-free.</p>

Type Description	Number of cores x nominal cross section mm <sup>2</sup>	Core colors <sup>1)</sup>	Color of sheath	Packaging unit m	Part number
H 05 VV-F	2 x 1.50	br, hbl	Black	50	6 254 011 205
	3 x 1.50	gnge, br, hbl	Black	50	6 254 012 305
	4 x 0.75	gnge, sw, hbl, br	Black	50	6 254 012 403
	4 x 1.50	gnge, sw, hbl, br	Black	50	6 254 012 405


<sup>1)</sup> Colors: ge = Yellow, bl = Blue, ws = White, gn = Green, br = Brown, rt = Red, sw = Black, gnge = Green/yellow, hbl = Light blue, vi = Purple

## Industrial cables

Illustration	Description
<p><b>H 07 RN-F</b> Heavy rubber sheathed cable</p> <p>Illustration shows the 5-core cable</p> 	<p><b>Conductor:</b> Fine-wire copper cable with rubber insulation, individual wires tin-plated or bare, stranded cores.</p> <p><b>Insulation / Sheath:</b> Rubber compound as per VDE 0282.</p> <p><b>Special characteristics:</b> Nominal voltage <math>U_0/U</math>: 300 V/500 V. For connection of commercial tools, equipment and machinery. The cables are suitable for fixed installation e.g. on construction sites.</p>

Type Description	Number of cores x nominal cross section mm <sup>2</sup>	Core colors <sup>1)</sup>	Color of sheath	Packaging unit m	Part number
H 07 RN-F	3 x 1.5	gnge, br, hbl	Black	50	<b>6 259 002 305</b>
	3 x 2.5	gnge, br, hbl	Black	50	<b>6 259 002 306</b>
	4 x 1.5	gnge, sw, hbl, br	Black	50	<b>6 259 002 405</b>
	4 x 2.5	gnge, sw, hbl, br	Black	50	<b>6 259 002 406</b>
	5 x 2.5	gnge, sw, hbl, br, gr	Black	50	<b>6 259 002 506</b>

<sup>1)</sup> Colors: ge = Yellow, bl = Blue, ws = White, gn = Green, br = Brown, rt = Red, sw = Black, gnge = Green/yellow, hbl = Light blue, vi = Purple, gr = grey

Illustration	Description
<p><b>H 01 N2-D</b> Single-core cable</p> 	<p><b>Conductor:</b> Ultra-fine-wire copper cable, bare.</p> <p><b>Insulation / Sheath:</b> Sheath oil-resistant and not-flammable.</p> <p><b>Special characteristics:</b> Nominal voltage: 200 V. Can be used for welding equipment in industry, e.g. automotive engineering, and for commercial electrodes, e.g. in workshops or on construction sites.</p>

Type Description	Nominal cross section mm <sup>2</sup>	Color of sheath	Packaging unit m	Part number
H 01 N2-D	16	Black	50	<b>6 168 910 161</b>
	25	Black	50	<b>6 168 910 251</b>
	35	Black	25	<b>6 168 910 351</b>
	50	Black	25	<b>6 168 910 501</b>
	70	Black	25	<b>6 168 910 701</b>
	95	Black	25	<b>6 168 910 951</b>



## Accessories



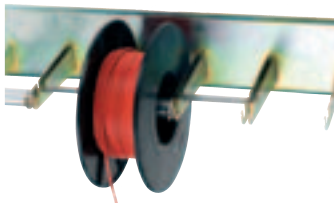


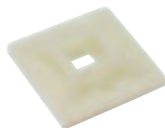
Illustration	Description	Part number
<p><b>Plastic cable drum</b></p>  <p>Application example</p> 	<p>Reusable, two-piece plastic cable drum:</p> <ul style="list-style-type: none"> <li>▶ Can be attached to cardboard rings.</li> <li>▶ Quick and easy to fit by hand.</li> <li>▶ Screwed together with 2 thumb screws*.</li> </ul> <p>* Included in scope of delivery.</p>	<p><b>7 781 999 948</b></p>

Illustration	Description	Part number
<p><b>Cable dispenser</b></p>  <p>Application example</p> 	<p>Cable dispenser for 5 plastic cable drums with mounting elements.</p> <p>Supplied with 5 shafts to allow storage of</p> <ul style="list-style-type: none"> <li>▶ Plastic cable drums (shaft Ø 30 mm)</li> <li>▶ Dispenser rollers* (shaft Ø 10 mm)</li> </ul> <p>* Also fits dispenser rollers as delivered up to now.</p>	<p><b>7 781 999 949</b></p>

### Copper cable for general use, accessories

	<p><b>Cable ties</b></p> <table border="1"> <thead> <tr> <th>Dimensions mm</th> <th>Pack Qty.</th> <th>Part number black</th> <th>Part number transparent</th> </tr> </thead> <tbody> <tr> <td>390 x 4.8</td> <td>100</td> <td><b>1 987 352 011</b></td> <td><b>7 781 999 596</b></td> </tr> <tr> <td>203 x 4.8</td> <td>100</td> <td><b>1 987 352 010</b></td> <td><b>7 781 999 592</b></td> </tr> <tr> <td>150 x 3.6</td> <td>100</td> <td><b>1 987 352 009</b></td> <td><b>7 781 999 593</b></td> </tr> <tr> <td>102 x 2.5</td> <td>100</td> <td><b>1 987 352 008</b></td> <td><b>7 781 999 594</b></td> </tr> </tbody> </table>	Dimensions mm	Pack Qty.	Part number black	Part number transparent	390 x 4.8	100	<b>1 987 352 011</b>	<b>7 781 999 596</b>	203 x 4.8	100	<b>1 987 352 010</b>	<b>7 781 999 592</b>	150 x 3.6	100	<b>1 987 352 009</b>	<b>7 781 999 593</b>	102 x 2.5	100	<b>1 987 352 008</b>	<b>7 781 999 594</b>
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102 x 2.5	100	<b>1 987 352 008</b>	<b>7 781 999 594</b>																		

	<p><b>Mounting plates for cable ties</b></p> <p>For securing wiring harness, self-adhesive. Colour white.</p> <p>Dimensions: 28 x 28 mm</p> <table border="1"> <thead> <tr> <th>Design</th> <th>Part number</th> </tr> </thead> <tbody> <tr> <td>25 pack qty., screw type</td> <td><b>7 781 999 595</b></td> </tr> </tbody> </table>	Design	Part number	25 pack qty., screw type	<b>7 781 999 595</b>
Design	Part number				
25 pack qty., screw type	<b>7 781 999 595</b>				

# Materials and lubricants

**Note:**  
Safety data sheets  
on the MKG homepage

## Schmierfette und -öle

### Lubricating grease

Color: Light beige

Application: Repair of CP3 pumps

225 ml tube **1 987 123 050**

### Special silicone grease VS 17 050 FT

Color: White

Thermal application range: -50...+180°C.

Properties: Water repellent and resistant to oxidation, large thermal application range, change of consistency, good pressure absorption.  
Application: Adjusting lever shaft bearing for distributor injection pumps.

50 g tube **5 994 420 005**

### High temperature grease

Color: Dark natural tone

Thermal application range: -10...+90°C.

Properties: Heat-resistant, highly adhesive. Not suitable for rolling bearings, and lubrication points which come into contact with water.  
Application: Ignition cam and cam follower on the ignition contacts.

225 ml tube **5 700 002 025**

### Rolling-bearing grease

Color: Beige

Thermal application range: -20...+130°C.

Properties: Mineral, highly adhesive, protects against corrosion, water-repellent.  
Application: DC generators and alternators, sliding and rolling bearings in case of medium thermal loading.

225 ml tube **5 700 009 025**

### Lubricating grease VS 18 036-FT

Color: black

Thermal application range: -50...+150°C

Properties: Synthetic, oxidation protection, wear protection, resistant to aging.  
Application: Planetary gearbox, spiral spline, commutator end shield cap, for electrically energized starters.

Spiral spline and commutator end shield cap, for permanently energized starters (R and S series).

225 ml tube **1 987 123 060**

### Lubricating grease VS 17 707-FT

Color: beige

Thermal application range: -45...+120°C

Properties: Synthetic, oxidation protection, wear protection, resistant to aging.  
Application: Relay armature, for electrically and permanently energized starters with solenoid switch.

Do not use with relay armatures with sliding lacquer coating (start-stop starter and starter with rubber bellows).

225 ml tube **1 987 123 070**

### Lubricating grease VS 17 427-FT

Color: black

Thermal application range: -30...+135°C

Properties: Synthetic, oxidation protection, wear protection, resistant to aging.

Application: Slot bushing for freewheeling, for start-stop-starters and conventional starters

225 ml tube **1 987 123 080**

### Anti-friction bearing grease VS 15-164 FT

Color: green

Thermal application range: -20...+150°C

Properties: Excellent thermal and squeeze stability, oxidation resistant, water repellent, anti-corrosion.

Application: DC and AC alternators, for anti-friction bearings with higher loads and speeds.

225 ml tube **1 987 123 090**

### Lubricating grease FT 2 V 1

Color: white

Thermal application range: -70...+160°C

Properties: Water repellent, excellent resistance to aging, soft.

Application: Clutch plates, longitudinal grooves, for permanent lubrication with high thermal loads.

225 ml tube **1 987 123 100**

## Assembly materials

### Insulating paste

Color: White

Melting point: -40...+300°C.

Properties: wax-type, odorless, improvement of the insulating properties at secondary-sides connections of the ignition system, prevention of head sparkover at spark plugs.

Application: Spark-plug connectors, interference-suppressed, protective caps, distributor caps and the like.

45 ml tube **1 987 123 010**

## Screw sealants

### Screw locking paint

Color: Yellow

Consistency: Thick-flowing.

Properties: Hardening time: 2 to 3 mins at room temperature.

Application: Fuel-injection pumps, threaded fittings, Jetronic.

20 ml tube **5 703 245 000**



## Test bench equipment

### Calibrating oil V 1404

Color: light

Properties: Mineral, low viscosity

Application: Injection pump test benches.

25 l canister **5 980 570 025**

## Anticorrosion agents

### Acid-proof grease

Color: Red

Properties: Mineral, acid-resistant, prevents formation of salt.

Application: Battery terminals.

225 ml tube **5 700 102 025**

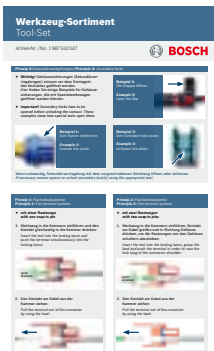
# Tools

## Convenience electronics

### Extraction tools Product information

- ▶ For damage-free release of plug contacts, e.g. blade contacts and pin contacts.
- ▶ Disconnection faults can be resolved quickly, easily and professionally
- ▶ Universal application in the field of automotive electrics
- ▶ Extendable slider for protection of blades and prevention of injury
- ▶ Universal tools, e.g. JPT 2.8 mm tool, suitable for more than 70% of standard connections

Figure	Description	Part number
	<b>Contact example:</b> JPT 2.8 mm/5.8 mm	<b>1 987 532 048</b>
	<b>Contact example:</b> Junior Timer 1.48 mm	<b>1 987 532 049</b>
	<b>Contact example:</b> Micro Timer II	<b>1 987 532 050</b>
	<b>Contact example:</b> QKK 1.5 mm Contact for blade terminals with 2 grip mechanism	<b>1 987 532 051</b>
	<b>Contact example:</b> Sensor Timer Special tool for 2.8 mm Tyco sensor blade terminals	<b>1 987 532 052</b>



**Tool box** 1 987 532 047

The tools are suitable for all common vehicles. All principles are blade terminal systems.

**Crimping tools****Product information****Crimping pliers**

- ▶ Processing of conductor and insulation crimping in a single operation
- ▶ Integrated, unlocking lock secures the crimping
- ▶ Easy to use
- ▶ Ergonomic soft handles

**Crimping pliers with easy replacement system**











- ▶ Quick and easy replacement of heads with snap connector
- ▶ Integrated lock secures the crimping
- ▶ Modular design and construction of pliers reduces procurement costs
- ▶ Universal crimping profile of replacement head allows a wide range of connectors to be processed
- ▶ Effort-saving use due to optimum transmission ratio

**Cable stripper**

- ▶ Stripping and cutting of fine-wire and solid conductors with PVC insulation, from 0.03–6.0 mm<sup>2</sup>
- ▶ Adjustable stripping length from 3–16 mm
- ▶ Lightweight and easy to use
- ▶ Automatic adjustment of cross-section
- ▶ Adjustable for different insulation thicknesses
- ▶ Zero fatigue working due to ergonomic design
- ▶ No damage to head

**Field of application**

DIN cable lug, pin cable lug, blade terminals and blade receptacles, pin terminals and receptacles, butt connectors, parallel connectors

Figure	Description	Part number
	Cable stripping tool Stripping and cutting of firm and solid wire with PVC insulation, from 0.03 to 6.0 mm <sup>2</sup>	<b>1 987 532 036</b>
	Crimping tool For cable cross-section: Red 0.5–1.0 mm <sup>2</sup> 20–16 AWG Blue 1.5–2.5 mm <sup>2</sup> 16–14 AWG Yellow 4.0–6.0 mm <sup>2</sup> 12–10 AWG	<b>1 987 532 037</b>
	Crimping tool For cable cross-section: Profile 1 0.5–1.0 mm <sup>2</sup> 20–16 AWG Profile 2 1.0–2.0 mm <sup>2</sup> 16–14 AWG Profile 3 4.0–6.0 mm <sup>2</sup> 12–10 AWG Profile 4 0.5–1.0 mm <sup>2</sup> 20–16 AWG	<b>1 987 532 038</b>
	Handle, short for changeable tool heads	<b>1 987 532 039</b>
	Tool head, yellow/red and blue, for cable cross-section: 0.35–0.5 mm <sup>2</sup> /AWG 22–20 Yellow insulated shrink-down tubing connectors 0.5–1.0 mm <sup>2</sup> /AWG 20–16 Red insulated shrink-down tube connectors 1.5–2.5 mm <sup>2</sup> /AWG 16–14 Blue insulated shrink-down tube connectors	<b>1 987 532 041</b>
	Tool head without insulation Crimp, yellow, for cable cross-section: 4–6 mm <sup>2</sup> Yellow insulated shrink-down tubing connector	<b>1 987 532 042</b>
	Tool head for red/blue insulated connectors for cable cross-section: Red 0.5–1.0 mm <sup>2</sup> AWG 20–16 Blue 1.5–2.5 mm <sup>2</sup> AWG 16–14	<b>1 987 532 043</b>
	Tool head for yellow insulated connectors for cable cross-section: 4.0–6.0 mm <sup>2</sup> AWG 12–10	<b>1 987 532 044</b>
	Universal tool head for cable cross-section: 0.35–0.5 mm <sup>2</sup>	<b>1 987 532 045</b>
	Universal tool head for cable cross-section: 0.5–1.0 mm <sup>2</sup>	<b>1 987 532 046</b>



de

Elektronischer Katalog für Kraftfahrzeug-Ausrüstung

en

Electronic Catalogue for Automotive Parts

fr

Catalogue électronique de pièces détachées et de rechange

it

Catalogo elettronico per ricambi di automobili

es

Catálogo electrónico de los componentes del automóvil



# The easy way to all Automotive Parts – under Windows 2000/XP/Server 2003/Vista/Server 2008/7

1. Direct entry of article numbers/names

2. Jumps back to the window before

3. Selected vehicle

4. Shows further vehicle information

# 1 987 720 014



Einfacher und schneller Zugriff auf Kfz-Ausrüstungsdaten von Bosch in 18 Sprachen.

Easy and quick access to vehicle application data from Bosch in 18 languages.

Accès facile et rapide aux données de rechange automobile Bosch – en 18 langues.

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Fácil y rápido acceso a la información de equipamiento Bosch para vehículos en 18 idiomas.



# Connectors

## 13-pole 12 V connector ISO 11446

### Application

This connector is used for the electrical connection between the towing vehicle and the trailer.

### Technical data

The connector complies with ISO 11446. Tests were carried out in compliance with ISO 4091.

## Contact allocation

### Connector N-type according to ISO 1724

Contact no.	Colour	mm <sup>2</sup>	Circuit for
1	yellow	1.5	Left-hand direction indicator light
2	blue	1.5	Rear fog light
3 <sup>1)</sup>	white	2.5	Earth (for circuit to contact no. 1 bis 8)
4	green	1.5	Right-hand direction indicator light
5	brown	1.5	Right-hand rear position and marker lights, and rear registration-plate illuminating device <sup>2)</sup>
6	red	1.5	Stop-lights
7	black	1.5	Left-hand rear position and marker lights, and rear registration-plate illuminating device <sup>1)</sup>
8	pink	1.5	Reversing light
9	orange	2.5	Power supply (permanent positive)
10	grey	2.5	Power supply (controlled by ignition switch)
11 <sup>1)</sup>	white/black	2.5	Earth (for circuit to contact no. 10)
12	–	1.5	Reserved for future allocation
13 <sup>1)</sup>	white/red	2.5	Earth (for circuit to contact no. 9)

<sup>1)</sup> The three earth cables shall not be connected electrically in the trailer.

<sup>2)</sup> The rear registration-plate illuminating device shall be connected in such that no lamp of the device has a common connection with either contact 5 or 7.

## 7-pole 12 V connector ISO 1724/ISO 3732

### Application

This connector is used for the electrical connection between the towing vehicle and the trailer.

### Technical data

The N-type is normed in ISO 1724. The S-type is colour coded in white and corresponds to ISO 3732. The tests were carried out in accordance with ISO 1724 and ISO 3732.

## Contact allocation

### Connector N-type according to ISO 1724

Contact no.	Core insulation colour (for information)	mm <sup>2</sup>	Circuit for
1 / L	yellow	1.5	Left-hand direction indicator light
2 / 54g	blue	1.5	Rear fog light
3 / 31	white	2.5	Earth
4 / R	green	1.5	Right-hand direction indicator light
5 / 58R	brown	1.5	Right-hand rear position and marker lights, and rear registration-plate illuminating device <sup>1)</sup>
6 / 54	red	1.5	Stop-lights
7 / 58L	black	1.5	Left-hand rear position and marker lights, and rear registration-plate illuminating device <sup>1)</sup>

### Connector S-type according to ISO 3732

1	yellow	1.5	Reversing light <sup>2)</sup>
2		1.5	Reserved for future allocation
3	white	2.5	Earth (for circuit to contact no. 4)
4	green	2.5	Power supply (permanent positive)
5	brown	1.5	No allocation
6	red	2.5	Power supply (controlled by ignition switch)
7	black	2.5	Earth (for circuit to contact no. 6)

<sup>1)</sup> The rear registration-plate illuminating device shall be connected in such a manner that no lamp of such a device has a common connection with both contacts 2 and 6.

<sup>2)</sup> The earth for the circuit of this contact will normally be by contact no. 3 of the 12N connector according to ISO 1724.









## Plugs, sockets,

### Plugs and sockets for trailer connection (12 V program)

Figure	Designation	Description	Part number
	<b>Trailer plug, 3-pole</b>	Plastic, 12 V, for single-axle towing, switch-off contact	<b>0 352 130 001</b>
	<b>Socket (trailer), 3-pole</b>	Plastic, 12 V, for single-axle towing, switch-off contact	<b>0 352 030 002</b>
	<b>Trailer plug, 4-pole</b>	Plastic, 12 V, for narrow-track towing vehicle, commercial vehicles, as additional plug-connection cable	<b>0 352 140 001</b>
	<b>Socket (trailer), 4-pole</b>	Plastic, 12 V, for narrow-track towing vehicle, commercial vehicles, as additional plug-connection cable	<b>0 352 040 002</b>
	<b>Trailer plug, 7-pole</b>	Metal, 12 V, for cars, connecting to ISO 1724, N-version	<b>0 352 170 004</b>
	<b>Socket (trailer), 7-pole</b>	Metal, 12 V, for cars, connecting to ISO 1724, N-version	<b>0 352 070 011</b>
	<b>Socket (trailer), 7-pole</b>	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted	<b>0 986 352 028</b>
	<b>Socket (trailer), 7-pole</b>	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted, with sheet-metal panel, sealing ring	<b>0 986 352 820</b> <input type="checkbox"/>
	<b>Trailer plug, 7-pole</b>	For cars, connecting to ISO 1724, N-version	<b>0 352 170 003</b>
	<b>Trailer plug, 7-pole</b>	Folding plug, 12 V, for cars, connecting to ISO 1724, N-version	<b>0 986 352 816</b> <input type="checkbox"/>

Self-service pack

## Plugs and sockets for trailer connection (12 V program)

Figure	Designation	Description	Part number
	<b>Socket (trailer), 7-pole</b>	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted	<b>0 986 352 029</b>
	<b>Socket (trailer), 7-pole</b>	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted, with sheet-metal panel and seal	<b>0 986 352 819</b> □
	<b>Socket (trailer), 7-pole</b>	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted	<b>0 986 352 817</b> □
	<b>Trailer plug, 13-pole</b>	Plastic, 12 V, for cars, standard DIN/ISO 11446	<b>0 986 352 814</b> □
	<b>Socket (trailer), 13-pole</b>	Plastic, 12 V, for cars, standard DIN/ISO 11446	<b>0 986 352 026</b>
	<b>Socket (trailer) 13-pole</b>	Plastic, 12 V, for cars, as ...026, but with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted, with sealing ring	<b>0 986 352 815</b> □
	<b>Short adapter</b>	Plastic, 12 V, for connecting 7-pole and 13-pole, without cable	<b>0 986 352 813</b> □
	<b>Parking socket, 13-pole</b>	Plastic, 12 V, to protect against dust and splashwater, for unplugged trailer plugs	<b>0 986 352 030</b>



Plugs, sockets (continued)

Figure	Designation	Description	Part number
<b>Standard sockets</b>			
	<b>Surface-mounted standard socket</b>	with blade terminal 6,3 mm, fitting for standard and universal sockets, max. 16 A/12–24 V, TÜV tested and controlled, with contacts as per ISO 4165	<b>0 986 352 006</b>
	<b>Surface-mounted standard socket, housing 2-pole</b>	12 A at 6–24 V, Housing (aluminum), socket (plastic), 2 holes, Ø 4,5mm, hole spacing 46 mm, screw terminal for wire and ferrules	<b>0 352 221 001</b>
	<b>Panel-mounted standard socket, 2-pole</b>	12 A at 6–24 V, housing (aluminum), socket (plastic), with hexagonal nut M18x1, SW 22, 1 screw terminal (+)	<b>0 352 222 008</b>
	<b>Panel-mounted standard socket, 2-pole</b>	12 A at 6–24 V, housing (aluminum), socket (plastic), hinged cover olive green, with hexagonal nut M18x1, SW 22, 1 screw terminal (+)	<b>0 352 222 009</b>
	<b>Panel-mounted standard socket to DIN</b>	With 6.3mm flat connection, secured with hexagon nut, suitable for standard and universal plugs, max. 16 A/1–24 V, TÜV tested and monitored, complies with DIN ISO 4165, installation aperture 18 mm	<b>0 986 352 007</b> <b>0 986 352 805</b> □
	<b>Panel-mounted standard socket to DIN</b>	Water tight, with screw-on cover, 12–24 V, water tight seal, IP 67, 16 A, contacts comply with DIN ISO 4165, pre-assembled with 300mm cable, secured with hexagon nut, installation aperture: 18.4 mm, temperature resistant: –40 °C to 105 °C	<b>0 986 352 823</b>
	<b>Panel-mounted standard socket to DIN</b>	With cover, with 6.3 mm flat connection, cover protects against dust and splashed water, secured with hexagon nut, suitable for standard and universal plugs, max. 16 A/1–24 V, TÜV tested and monitored, complies with DIN ISO 4165, installation aperture 18 mm	<b>0 986 352 804</b>
	<b>Panel-mounted standard triple socket</b>	Three standard sockets, 12–24 V, connected using 6.3 mm flat plug, max. total current consumption for all three sockets: 16 A, with contacts complying with DIN ISO 4165	<b>0 986 352 807</b>
	<b>Hinged cover</b>	For panel-mounted standard socket, olive green	<b>1 350 500 012</b>
	<b>Hinged cover</b>	For panel-mounted standard socket, black (Lupolen)	<b>1 350 500 001</b>



Figure	Designation	Description	Part number
<b>Universal plugs for standard socket and cigar lighter socket</b>			
	<b>Standard plug</b>	For standard socket, 10 A at 6–24 V, black housing, straight, 2 screw terminals	<b>0 986 352 000</b>
	<b>Standard plug</b>	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, straight, 2 screw terminals, with adapter	<b>0 986 352 015</b> <b>0 986 352 810</b> <input type="checkbox"/>
	<b>Standard plug</b>	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, straight, 2 screw terminals, with adapter, fuse predection up to 8 A with ceramic or glass fuse	<b>0 986 352 016</b> <b>0 986 352 811</b> <input type="checkbox"/>
	<b>Standard plug</b>	as 0 986 352 811, with green LED function display	<b>0 986 352 812</b> <input type="checkbox"/>
	<b>Universal plug</b>	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, offset, 2 screw terminals with adapter, Sfuse predection up to 7.5 A, with green LED function display, Lockable adapter	<b>0 986 352 809</b> <input type="checkbox"/>
	<b>Universal plug</b>	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, offset, 2 screw terminals, with adapter, fuse predection up to 8 A, the front and rear of the plug housing can be redated with respect to each other while at the same time pivoting trough 0–70°	<b>0 986 352 818</b> <input type="checkbox"/>
<b>Extension cable for standard socket and cigar lighter socket</b>			
	<b>Extension cable</b>	8 A at 12–24 V, flat cable (2x0.75 mm <sup>2</sup> ), with safety universal plug (fuse 8 A integrated) and break resistant connection for standard plugs to ISO 4165, lenght 4 m	<b>0 986 352 825</b> <input type="checkbox"/>
	<b>Extension cable</b>	8 A at 12–24 V, spiral cable (2x0.75 mm <sup>2</sup> ) with safety universal plug (fuse 8 A integrated) and connection (inner Ø 21 mm), lenght 0.6 to 3.0 m	<b>0 986 352 826</b> <input type="checkbox"/>

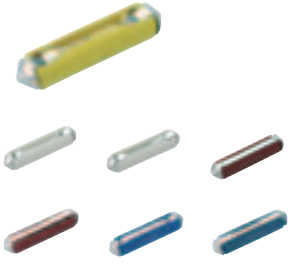



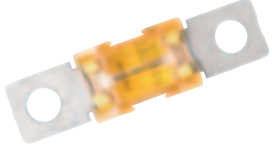


Plugs, sockets (continued)

Figure	Designation	Description	Part number
<b>Socket outlet and plug, 2-pole (DIN/ISO 14690)</b>			
	<b>Integral socket, 2-pole</b>	16 A at 6–42 V, housing made of aluminum, captive screw cover with gasket, screw terminals for cable lug M3, 3 holes, Ø 5.5 mm, hole circle Ø 49 mm	<b>0 352 220 001</b>
	<b>Plug</b>	16 A at 6–42 V, Housing made of aluminum, including captive union nut, strain relief and predictive cable sleeve for cable Ø 6–12 mm, screw terminals for wire end ferrules up to Ø 3 mm, with prediction cap	<b>0 352 320 001</b>
	<b>Socket, 2-pole</b>	16 A at 6–42V, Housing made of aluminum, captive screwed-on cover with gasket, strain-relief and predictive cable sleeve for cable Ø 6–12 mm, screw terminals for wire end ferrules up to Ø 3 mm, fastening: 3 holes, Ø 5.5 mm, hole circle Ø 49 mm	<b>0 352 220 003</b>
<b>Special accessories</b>			
	<b>Adapter cable</b>	8 A to 12–24 V, standard plug according to ISO 4165 and connection (inner Ø 21 mm), length: 0.25 m	<b>0 986 352 824</b> ☐
	<b>Adapter for universal plug</b>	To adapt universal plugs to cigar lighter socket	<b>1 987 352 126</b> ☐
	<b>AC mains socket</b>	With screw thread, for operation of additional equipment in cars, boats and caravans, 20 A load capacity with cable cross-section 2.5 mm <sup>2</sup> , 2,15 A load capacity with cable cross-section 1.5 mm <sup>2</sup> , internal diameter: 22 mm, installation aperture: 27.8 mm	<b>0 986 352 130</b> ☐
	<b>Coupling</b>	For setting up individual extensions to supply power to electrical equipment and lights, max. 16 A /12–24 V, with contacts complying with DIN ISO 4165	<b>0 986 352 128</b> ☐
	<b>Battery monitor</b>	Protects the battery against total discharge by disconnecting loads in good time, e.g. cool boxes, seat heating, fans and other mobile 12V devices. Automatic reconnection when normal voltage conditions are restored. Suitable for cigarette lighter and standard sockets, with LED function indicator and short circuit protection, 1 m cable with coupling (internal Ø 21 mm), angular design allows adjustment for specific vehicle configuration.	<b>0 986 352 127</b> ☐

☐ Self-service pack

# Car fuses

Figure	Version	Rated current A	Colour	Qty. per bulk pack	Dimensions mm	Part number
	<b>Torpedo fuses</b> (6 x 25 mm), as per DIN 72581/1	5	yellow	100 <sup>2)</sup>		<b>1 904 520 015</b>
		8	white	10		<b>1 904 520 914</b> □
				100 <sup>2)</sup>		<b>1 904 520 016</b>
		16	red	100 <sup>2)</sup>		<b>1 904 520 018</b>
				10		<b>1 904 520 918</b> □
		25	blue	100 <sup>2)</sup>		<b>1 904 520 017</b>
	<b>Assortment</b> (2 pieces each)		10			<b>1 904 520 917</b> □
		2	clear	10		<b>1 904 529 002</b> □
		5	yellow			
		8	white			
		16	red			
	<b>Fuse strips for diesel vehicles</b> as per DIN 72581/2	25	grey	5		<b>1 351 017 010</b>
		30	grey	50		<b>1 191 017 004</b>
		50	grey	25		<b>1 191 017 005</b>
		80	grey	50		<b>1 191 017 003</b>
		100	grey	10		<b>1 191 017 006</b>
		125	grey	5		<b>1 191 017 007</b>
		150	grey	10		<b>1 199 999 018</b>
		250	grey	10		<b>1 199 999 019</b>
	<b>Glas fuses</b>	2	clear	25	5 x 20	<b>1 904 521 441</b>
		3,15	clear	25	5 x 20	<b>1 987 529 011</b>
		5	clear	25	6,35 x 32	<b>1 987 529 901</b>
		6,3	clear	25	6,35 x 32	<b>1 904 522 750</b>
		10	clear	25	6,35 x 32	<b>1 987 529 902</b>
		15	clear	25	6,35 x 32	<b>1 987 529 903</b>
		20	clear	25	6,35 x 32	<b>1 987 529 904</b>
		25	clear	25	6,35 x 32	<b>1 987 529 905</b>
	<b>Screw locking element Midi</b> (small), as per ISO 8820-5 For BMW, VAG, FORD, Daimler, Renault, Chrysler, Hyundai, KIA, Porsche High current fuse for agricultural machinery manufacturers etc. Screw in fuse with 32 V rated voltage for protection of high current wiring. Transparent cover for easy identification of blown fuses. Fuses are installed between the battery and the starter or alternator, for example.	30	orange	25		<b>1 987 531 018</b>
		40	green	25		<b>1 987 531 017</b>
		50	red	25		<b>1 987 531 016</b>
		60	yellow	25		<b>1 987 531 014</b>
		70	brown	25		<b>1 987 531 013</b>
		80	white	25		<b>1 987 531 012</b>
		100	blue	25		<b>1 987 531 011</b>
		125	pink	25		<b>1 987 531 010</b>
		200	violet	25		<b>1 987 531 008</b>
			<b>Screw locking element Mega</b> , as per ISO 8820-5 For BMW, VAG, FORD, Daimler, Renault, Chrysler, Hyundai, KIA, Porsche Screw in fuses with 32 V rated voltage for protection of high current wiring. Transparent cover for easy identification of blown fuses. Fuses are installed between the battery and the starter or alternator, for example.	100	yellow	10
125	green			10		<b>1 987 531 001</b>
150	orange			10		<b>1 987 531 002</b>
175	white			10		<b>1 987 531 003</b>
200	blue			10		<b>1 987 531 004</b>
225	brown			10		<b>1 987 531 005</b>
250	pink			10		<b>1 987 531 006</b>
300	grey			10		<b>1 987 531 007</b>

□ Self-Service pack <sup>2)</sup> Transparent plastic box

Car fuses (continued)

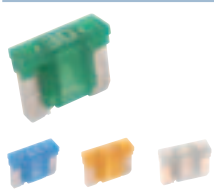
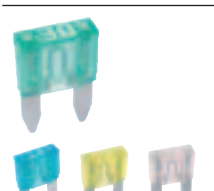
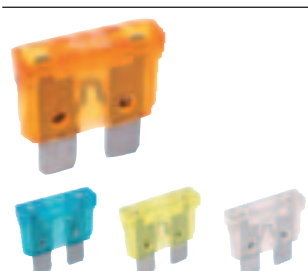




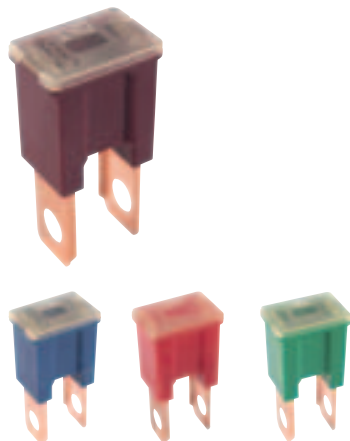

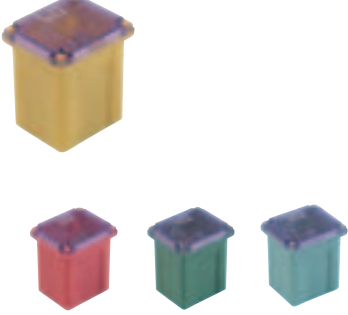
Figure	Version	Rated current A/V	Color	Qty. per bulk pack	Part number
	<p><b>Fuses Low-Profile Mini</b> Low-profile mini fuses provide similar performance features as standard mini fuses. Designed for open terminals and forked contacts, eliminating the need for additional contact bushing. The low overall height also provides additional weight and material savings. Used in Japanese vehicles.</p>	2/58	grey	10	<b>1 987 529 041</b>
		3/58	violet	10	<b>1 987 529 042</b>
		4/58	pink	10	<b>1 987 529 043</b>
		5/58	light brown	10	<b>1 987 529 044</b>
		7,5/58	brown	10	<b>1 987 529 045</b>
		10/58	red	10	<b>1 987 529 046</b>
		15/58	blue	10	<b>1 987 529 047</b>
		20/58	yellow	10	<b>1 987 529 048</b>
		25/58	white	10	<b>1 987 529 049</b>
		30/58	green	10	<b>1 987 529 077</b>
			<p><b>Mini flat connection fuses,</b> as per DIN 72581-3, ISO 8820-2 Rapidly becoming the new standard for circuit protection in vehicles. Their compact size enables more circuits to be protected with less space required. Transparent housing for easy identification of blown fuses. Excellent reliability</p>	2	grey
3	violet			50	<b>1 987 529 026</b>
4	pink			50	<b>1 987 529 027</b>
5	beige			50	<b>1 987 529 028</b>
7,5	brown			50	<b>1 987 529 029</b>
10	red			50	<b>1 987 529 030</b>
15	blue			50	<b>1 987 529 031</b>
20	yellow			50	<b>1 987 529 032</b>
25	neutral			50	<b>1 987 529 033</b>
30	green			50	<b>1 987 529 034</b>
	<p><b>Standard flat connection fuses,</b> as per DIN 72581-3, ISO 8820-2 These fuses have become the standard circuit protection for domestic and international passenger cars and trucks. They are easy to identify and replace and can be specified for a wide range of applications in the low voltage range.</p>	3	violet	100	<b>1 904 529 901</b>
		4	pink	100	<b>1 904 529 902</b>
		5	beige	100	<b>1 904 529 903</b>
		7,5	brown	100	<b>1 904 529 904</b>
		10	red	100	<b>1 904 529 905</b>
		15	blue	100	<b>1 904 529 906</b>
		20	yellow	100	<b>1 904 529 907</b>
		25	neutral	100	<b>1 904 529 908</b>
		30	green	100	<b>1 904 529 909</b>
		40	orange	100	<b>1 987 529 036</b>
	<p><b>Flat connection fuses,</b> as per DIN 72581-3, ISO 8820-2 Standard fuse in maxi design. Transparent housing for easy identification of blown fuses.</p>	20	yellow	5	<b>1 987 529 018</b>
		30	green	5	<b>1 987 529 019</b>
		40	orange	5	<b>1 987 529 020</b>
		50	red	5	<b>1 987 529 021</b>
		60	blue	5	<b>1 987 529 022</b>
		70	brown	5	<b>1 987 529 023</b>
		80	white	5	<b>1 987 529 039</b>
		100	violet	5	<b>1 987 529 040</b>
	<p><b>Puller for blade-type fuse links</b></p>			5	<b>1 987 531 026</b>



Figure	Version	Rated current A/V	Color	Qty. per bulk pack	Part number
 <div style="text-align: right; margin-top: 10px;"><b>New</b></div>	<b>Blister (Mini)</b>	1x5		10	<b>1 987 529 038</b>
	<b>Blister (Norm)</b>	1x7,5		10	<b>1 987 529 037</b>
	<b>Blister (Low profile)</b>	1x25		10	<b>1 987 529 078</b>
		1x30			
		2x10			
		2x15			
		2x20			
	<b>AS series male fuses</b>	20/32	blue	5	<b>1 987 529 062</b>
	Delay fuses with highly temperature resistant housing.	30/32	pink	5	<b>1 987 529 063</b>
	Used in Japanese, European,	40/32	green	5	<b>1 987 529 064</b>
	American, and Korean vehicles.	50/32	red	5	<b>1 987 529 065</b>
		60/32	yellow	5	<b>1 987 529 066</b>
	<b>B series male fuses</b>	30/32	pink	5	<b>1 987 529 068</b>
	Delay fuses with highly temperature resistant housing.	40/32	green	5	<b>1 987 529 069</b>
	Used in Japanese, European,	50/32	red	5	<b>1 987 529 070</b>
	American, and Korean vehicles.	60/32	yellow	5	<b>1 987 529 071</b>
		70/32	brown	5	<b>1 987 529 072</b>
		80/32	black	5	<b>1 987 529 073</b>
		100/32	blue	5	<b>1 987 529 074</b>
		120/32	white	5	<b>1 987 529 075</b>
		140/32	dark-red	5	<b>1 987 529 076</b>

Car fuses (continued)

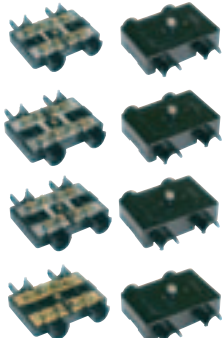

Figure	Version	Rated current A/V	Color	Qty. per bulk pack	Part number
	<p><b>J series fuses</b> With longer time delay, lower voltage drop and better resistance to make currents, they are particularly well suited for circuits with high currents. Used in Japanese, European, American, and Korean vehicles.</p>	20/32	light blue	5	<b>1 987 529 056</b>
		25/32	white	5	<b>1 987 529 057</b>
		30/32	pink	5	<b>1 987 529 058</b>
		40/32	green	5	<b>1 987 529 059</b>
		50/32	red	5	<b>1 987 529 060</b>
		60/32	yellow	5	<b>1 987 529 061</b>
	<p><b>Low profile J series fuses</b> Low profile fuses offer similar performance features to the standard J fuses. The low total height allows the use of shorter blade terminals and saves on space and weight. Used in Japanese, European, American, and Korean vehicles.</p>	20/58	light blue	5	<b>1 987 529 050</b>
		25/58	white	5	<b>1 987 529 051</b>
		30/58	pink	5	<b>1 987 529 052</b>
		40/58	green	5	<b>1 987 529 053</b>
		50/58	red	5	<b>1 987 529 054</b>
		60/58	yellow	5	<b>1 987 529 055</b>

**Setbox**  
Flat connection fuses (251 pcs.), as per DIN 72581-3

	Description	Nominal voltage A	Qty.	Part number
	Mini flat connection fuses,	3	5	<b>1 987 529 079</b>
		5	15	
		7,5	15	
		10	30	
		15	30	
		20	30	
		25	15	
	Standard flat connection fuses,	30	15	
		3	5	
		5	10	
		7,5	10	
		10	15	
		15	15	
		20	15	
	Maxi flat connection fuses,	25	10	
		30	10	
		30	2	
		40	2	
		50	1	
		60	1	

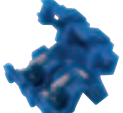


## Fuse holder and accessories

Figure	Description	Connection	Rated current	Included fuses Part number	Part number
	Double, for cylindrical fuses Fastening: 2 holes, Ø 5.3 mm, hole spacing 55 mm.	Screw terminal	1 x 25 A	1 351 017 010	<b>0 354 120 003</b>
			1 x 50 A	1 191 017 005	
			2 x 50 A	1 191 017 005	<b>0 354 120 004</b>
			2 x 80 A	1 191 017 003	<b>0 354 120 005</b>
					<b>0 354 120 006</b>
				<b>0 354 120 007</b>	
	For 3 flat fuses. Fastening: 2 holes, Ø 6.4 mm, hole spacing 112 mm.	Screw terminal	1 x 50 A	1 191 017 005	<b>0 354 130 003</b>
			1 x 80 A	1 191 017 003	
			1 x 100 A	1 191 017 006	




### Spare cover for fuse boxes

Part number Fuse box	Part number Cover
0 354 120 003	<b>1 350 516 003</b>
0 354 120 004	<b>1 350 516 003</b>
0 354 120 005	<b>1 350 516 003</b>
0 354 130 003	<b>1 350 516 000</b>

Figure	Description	Conductor cross section mm <sup>2</sup>	Color	Material / finish*)	Qty. per pack	Part number
	<b>Fuse holder for connection fuses</b>	0,5–1,5	blue	CuZn/brass / bright	6	<b>8 781 324 028</b>

\*) CuZn = brass

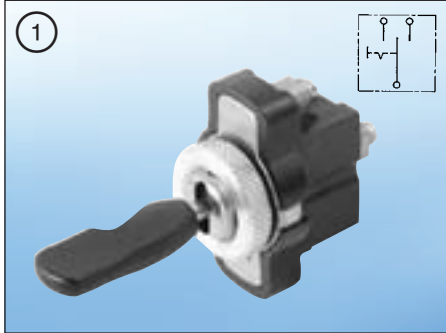
## Battery cable terminals with zinc plated surface for securely fastening the starter cables to the starter battery

Figure	Conductor cross section mm <sup>2</sup>	Pole	Part number
① 	16.0–70.0	+	<b>1 901 315 100<sup>1)</sup></b>
		-	<b>1 901 315 102<sup>1)</sup></b>
		- +	<b>1 901 315 120<sup>1)</sup></b>
② 	16.0–70.0	+	<b>1 901 315 104<sup>1)</sup></b>
		-	<b>1 901 315 105<sup>1)</sup></b>
		- +	<b>1 901 315 125<sup>1)</sup></b>
③ 	70.0–120.0	+	<b>1 901 315 101<sup>1)</sup></b>
		-	<b>1 901 315 103<sup>1)</sup></b>

1) DIN 72 331

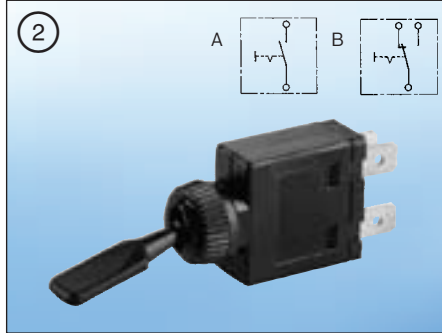
# Universal switches

For wipers, signal equipment, fog lamps, power-window drives, etc.

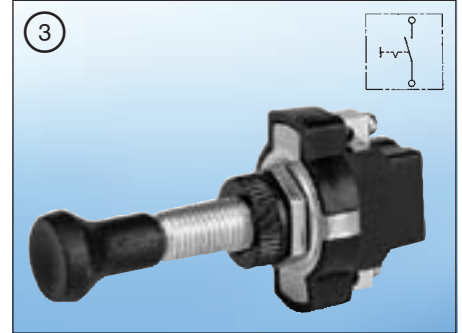


**1** **Lever switch**  
**Change-over switch (two-way contact with neutral position)**  
 Switching capacity: 48 W/24 V.  
 Fastening: with knurled nut M 12 x 1.  
 Fitting: Ø 12.5 mm. For wall thicknesses up to 3 mm.  
 Connection: screw terminals.

**0 986 340 100**

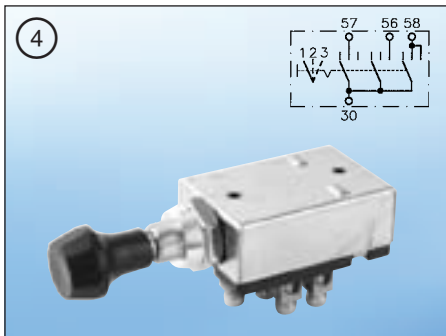


**2** **Lever switch**  
**On-off switch (NO contact)**  
 Switching capacity: 75 W/24 V.  
 Fastening: with round nut M 12 x 1.  
 Fitting: Ø 12 mm. For wall thicknesses up to 6 mm. Connection: blade terminals.  
 Diagram A **0 341 500 801**  
 as ..801, but  
**change-over switch (change-over contact)**  
 Diagram B **0 341 500 803**



**3** **Push-pull switch**  
**On-off switch (NO contact)**  
 Knob, black.  
 Switching capacity: 60 W/24 V.  
 Fastening: with knurled nut M 8 x 0.75.  
 Fitting: Ø 8.5 mm. For wall thicknesses up to 5 mm.  
 Connection: screw terminals.

**0 986 340 001**

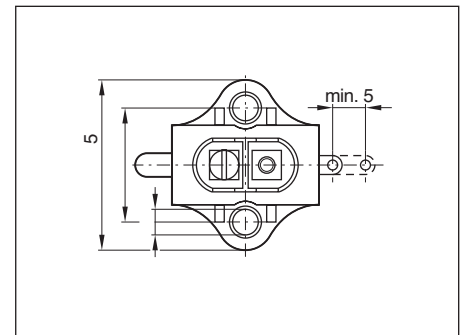
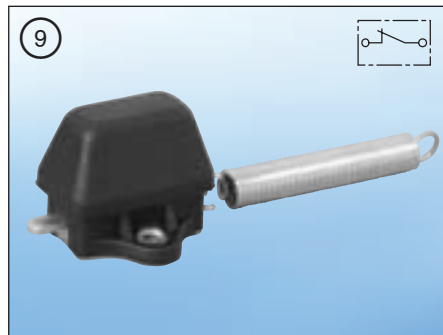
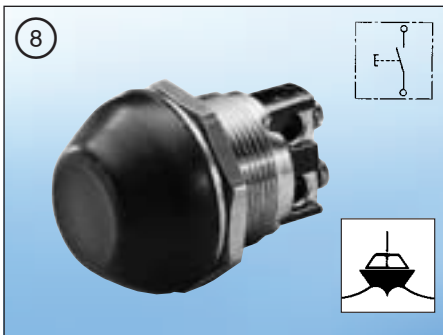
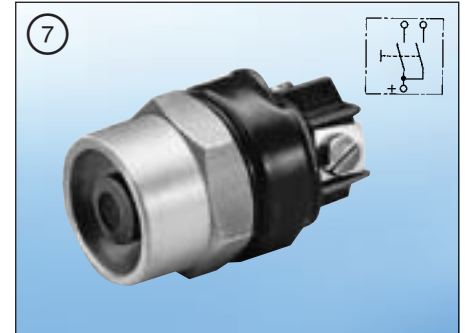
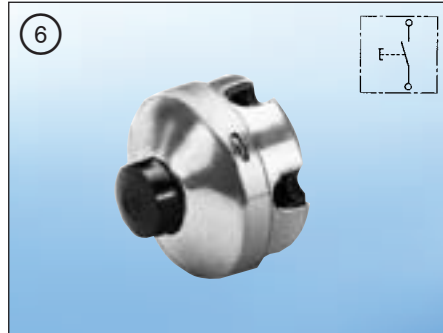
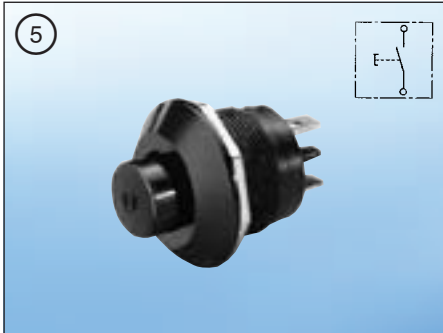


**4** **Push-pull switch**  
**multi-position switch**  
 Switching capacity: 100 W 24 V.  
 Switch positions: 1 Off, 2 Blower stage I, 3 Blower Stage II.  
 Fastening: with round nut M 10 x 1.  
 Fitting: Ø 10.5 mm. For wall thicknesses up to 2 mm.  
 Connection: screw terminals.

**0 986 340 120**

**Degrees of protection** (complies with IEC 60529 and DIN 40050, page 9)

Designation	Protection against contact	Protection against foreign bodies	Protection against water
IP 40	with tools etc. thickness Ø > 1 mm	Ø > 1 mm	no protection
IP 54	complete	dust-protected	Splashwater, from all directions
IP 64	complete	dust-protected	Splashwater, from all directions



### 5 Momentary push-button NO contact

Switching capacity: 30 A/6 V, 20 A/12 V, 15 A/24 V. (On-time 10 s each)

Fastening: with octagon nut.

Fitting:  $\varnothing$  22.5 mm. For wall thicknesses up to 6 mm.

Connection: screw terminals.

**0 343 003 001**

as ..001, but

Connection: blade terminals.

**0 343 003 004**

as ..001, but

Connection: blade terminals. Push-button and cover grey.

**0 343 003 007**

as ..001, but

Connection: blade terminals. Push-button ivory colored, polished aluminum.

**0 343 003 005**

### 6 Momentary push-button NO contact

Push-button black, housing polished aluminum.

Switching capacity: 15 A/12 V, 7.5 A/24 V. (On-time 10 s each)

Fastening: 2 holes with  $\varnothing$  3.7 mm.

Hole spacing 17 mm, external  $\varnothing$  26 mm.

Connection: 1 screw terminal.

**0 343 007 001**

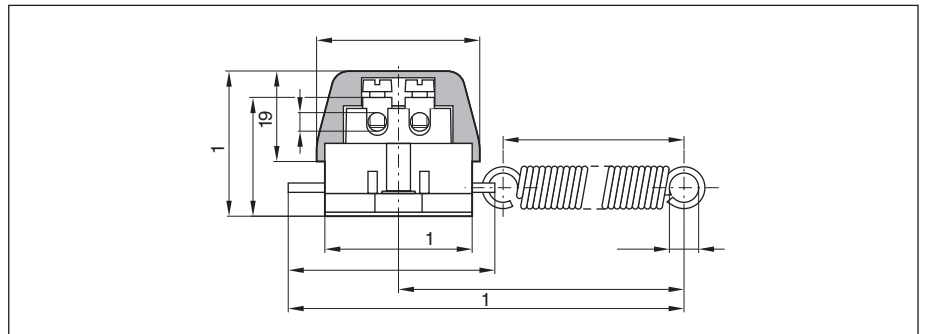
as ..007 001, but

Fastening: 2 holes with  $\varnothing$  4.2 mm.

Hole spacing 23 mm, external  $\varnothing$  35 mm.

Connection: 2 screw terminals.

**0 343 013 001**



### 7 Momentary push-button NO contacts with two makes

Push-button black, surface green. Hexagon aluminum nut with protective rim to prevent undesired actuation.

Degree of protection: housing IP 40, contact chamber IP 64.

Switching capacity:

Terminal 1: 26 A/6 V, 25 A/12 V, 20 A/24 V (On-time 2 min each)

or 100 A/6 V, 50 A/12 V, 50 A/24 V (On-time 1 s each).

Terminal 2: 20 A/24 V (Resistive load)

Terminal 3: (+) lead

Fastening: with hexagon nut.

Fitting:  $\varnothing$  22.5 mm. For wall thicknesses up to 3 mm.

Connection: screw terminals.

**0 343 004 003**

### 8 Momentary push-button NO contact

Protective rubber cap on knob side: Metal parts made of brass. Seawater-resistant. Degree of protection IP 54.

Switching capacity:

400 W/24 V (on-time 1 s).

250 W/24 V (on-time 2 min).

Fastening: with hexagon nut.

Fitting:  $\varnothing$  22.5 mm. For wall thicknesses up to 9 mm.

Connection: screw terminals.

**0 340 000 001**

### 9 Mechanical brake-light switch - Push-pull switch

Switched-on in neutral position,

2 screw-type M 4 terminals,

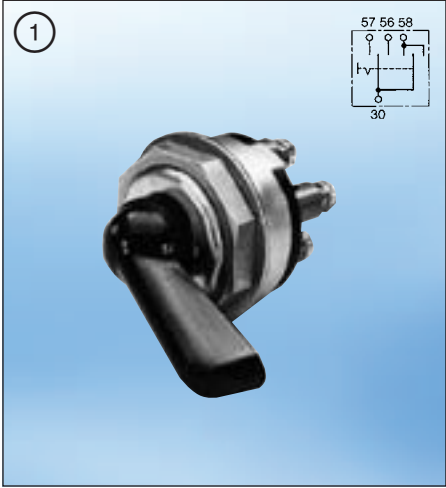
permissible loading: 7 A/12 V

4 x 21 W/12 V

permissible ambient temperature:  $-40...+120^{\circ}\text{C}$

**0 986 340 010**

# Light switches



**1 Rotary switch. Two-way contact with neutral position**  
 For side-marker lamps and upper/lower beam. With black switch lever.  
 Switching capacity: 10 W/12 V (terminal 57) 90 W/12 V (terminals 56, 58).  
 Fastening: with octagon nut M 26 x 1.  
 Fitting: Ø 26.5 mm. For wall thicknesses up to 2 mm.  
 Connection: screw terminals.

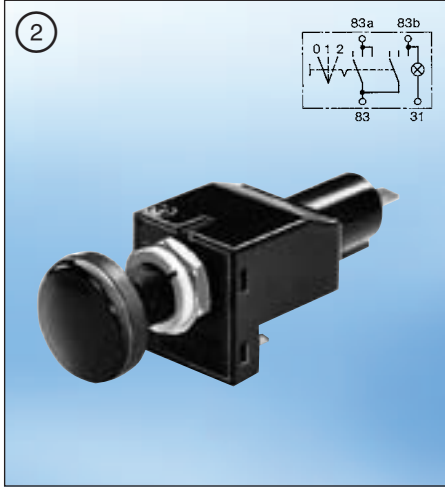
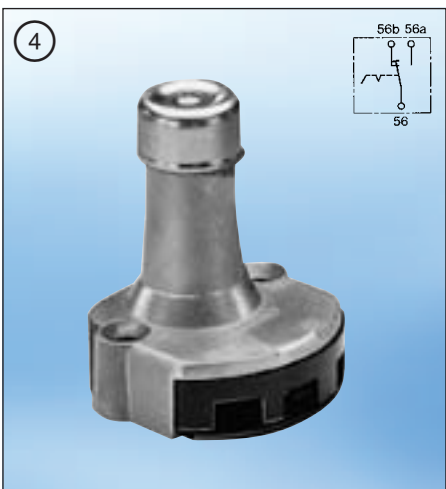
**0 341 100 001**

**Spare parts**

Fastening nut	<b>1 343 300 002</b>
Washer	<b>3 340 102 000</b>

**4 Foot-operated switch Change-over contact, with detent**  
 For upper and lower beam. Switches with-out break. Corrosion-protected finish.  
 Switching capacity: 120 W/24 V. For cables up to 4 mm<sup>2</sup> with or without cable lug.  
 Fastening: from above with 2 oval-head screws, hole Ø 5.3 mm, with hole spacing 38 mm.  
 Connection: screw terminals.

**0 340 603 001**



**2 Push-pull switch Multi-position switch**  
 For fog lamps and fog warning lamps. With indicator lamp and green lens (yellow lens enclosed).  
 Switching capacity: 140 W/24 V (terminal 83a), 35 W/24 V (terminal 83b).  
 Switch positions: 0 Off, 1 Fog lamp, 2 Fog lamp and tail lamp.  
 Fastening: with round nut M 14 x 1.5.  
 Fitting: Ø 14.5 mm. For wall thicknesses up to 6.5 mm (up to 10.5 mm without lock nut).  
 Connection: blade terminals.

Bulb connection: screw terminals.  
 Order bulb separately.

**0 340 006 004**

**Bulb (shape J)**

12 V 2.0 W	<b>1 987 302 224</b>
24 V 3.0 W	<b>1 987 302 519</b>

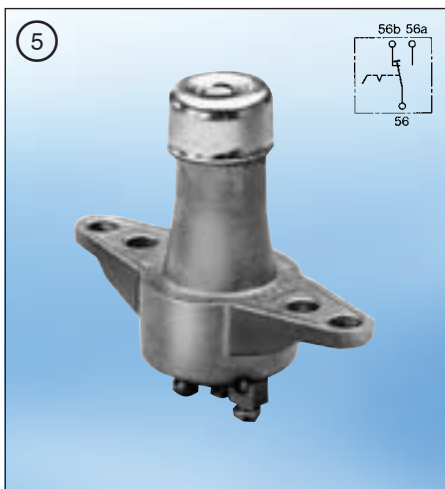


**3 Push-pull switch On-off switch (NO contact)**  
 For fog warning lamp. With safety knob, black, made of soft PVC, and indicator lamp. Green lens fitted, red and yellow lenses enclosed.  
 Switching capacity: 100 W/24 V.  
 Fastening: with knurled nut M 12 x 1.  
 Fitting: Ø 12.5 mm. For wall thicknesses up to 6 mm.  
 Connection: blade or screw terminals.  
 12 V bulb fitted.

**0 340 006 012**

**Bulb (shape W)**

12 V 1.2 W	<b>1 987 302 208</b>
24 V 1.2 W	<b>1 987 302 504</b>



**5 Foot-operated switch Change-over contact, with detent**  
 For upper and lower beam. Switches with-out break. Corrosion-protected finish.  
 Switching capacity: 120 W/24 V. For cables up to 6 mm<sup>2</sup> without cable lug.  
 Fastening: from below with 4 screws, hole Ø 6.4 mm, with hole spacing 44.5 and 67 mm.  
 Fitting: Ø 23 mm.  
 Connection: screw terminals, accessible from below.

**0 340 604 001**

# Hazard-warning switches, alarm switch, backup lamp switches, door-contact switch



## Hazard-warning switches

**1 Push-button switch for electronic hazard-warning flashers**  
 With indicator lamp and 12 V bulb included.  
 Symbol for hazard-warning (double triangle) on push-button.  
 Switching capacity: 6 x 21 W + 1.2 W/24 V.  
 Fastening: with knurled nut, fitting Ø 30.5 mm. For wall thicknesses up to 15 mm.  
 Connection: blade terminals.

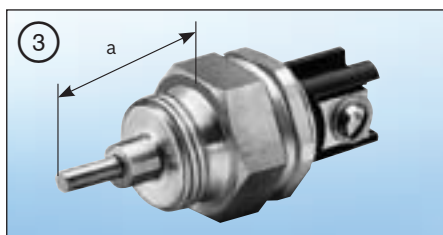
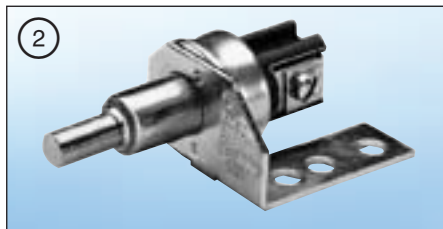
**0 340 302 008**

### Accessories (order separately)

Protective cap for push-button (transparent) **3 340 522 004**  
 Plug housing **3 344 485 001**

### Bulb (shape W)

12 V 1.2 W **1 987 302 208**  
 24 V 1.2 W **1 987 302 504**



## Backup lamp switches

**2 Plunger switch/NO contact**  
 For attachment to gearshift linkage.  
 For switching on the backup lamp when reverse gear is engaged.  
 Contact travel: approx. 10 mm  
 Switching capacity: 60 W/24 V.  
 Fastening: 3 holes, Ø 5.3 mm, hole-spacing 20 mm and 12 mm.  
 Connection: screw terminals.

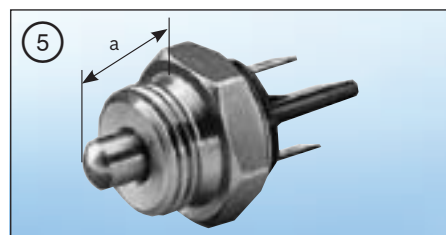
**0 343 101 003**

**3 Plunger switch/NO contact**  
 For screwing into gearbox cover.  
 Contact travel approx. 6 mm. For switching on the backup lamp when reverse gear is engaged.  
 Switching capacity: 60 W/24 V.  
 Fastening: screw thread M 18 x 1.5.  
 Connection: screw terminals  
 a = 24 mm **0 343 102 015**

as above, but blade terminal connection

a = 21 mm **0 343 102 024**

Accessories (order separately)  
 Protective cap **3 340 522 001**



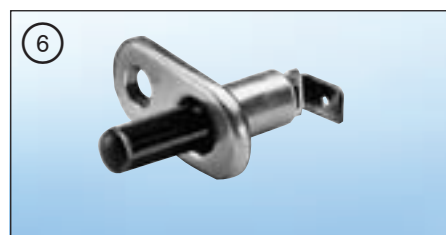
**4 Plunger switch/NO contact**  
 For screwing into gearbox cover.  
 Contact travel approx. 2.2 mm. For switching on the backup lamp when reverse gear is engaged.  
 Switching capacity: 5 W/12 V.  
 Fastening: screw thread M 12 x 1.  
 Connection: 2 blade terminals.

**0 343 102 008**

as ..008, but  
 Connection: 1 blade terminal, ground return through switch housing.

**0 343 102 010**

**5 Plunger switch/NO contact**  
 For screwing into gearbox cover.  
 Contact travel approx. 1 mm. For switching on the backup lamp when reverse gear is engaged.  
 Switching capacity: 60 W/12 V.  
 Fastening: screw thread M 18 x 1.5.  
 Connection: blade terminal.  
 a = 15 mm **0 343 102 011**



## Door-contact switch

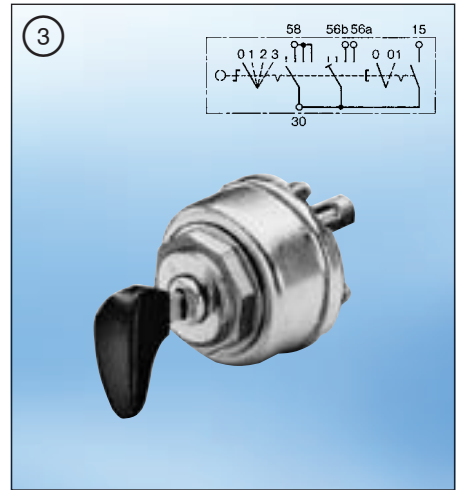
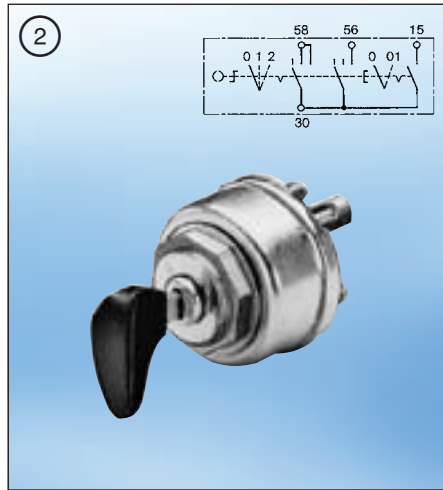
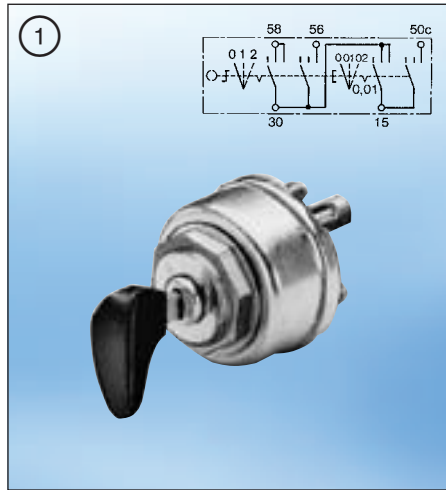
**6 Plunger switch NC contact**  
 For switching interior lighting on and off.  
 Switching capacity: 12 W/24 V.  
 Fastening: screw Ø 4 mm.  
 Connection: 1-pole blade terminal.

**0 343 107 002**



# Headlamp-ignition switches

Up to 24 V. For motor vehicles with spark-ignition or diesel engines (driving switch)



**1 Key-operated switch up to 24 V, housing Ø 48 mm**

Key can be removed in any position.  
 Design: Housing and U-disk galvanized.  
 Switching capacity: 100 A/24 V, 2 min (terminal 15).  
 Fastening: polished aluminum octagon nut M 26 x 1.  
 Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof).  
 For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in plastic jacket. Colour black.  
 Additional function: On/off switching of battery relay.  
 Switching capacity: 20 W (terminal 50 c), 100 W (terminal 56), 180 W (terminal 58), 250 W (terminal 15).  
 Switch positions: 0 Off / 01 Daytime loads / 02 Battery relay energized / 1 Side-marker lamp / 2 Headlamps.

Terminals connected:

	key inserted	key removed
0	-	-
01	30-15	-
02	30-15-50c	-
1	30-15, 30-58	30-58
2	30-15, 30-56-58	30-56-58

Connection: screw terminals.  
 with 1 key **0 342 307 001**

as ..307 001, but  
 Design: Housing, octagon nut and U-disk black.  
 with 1 key **0 342 307 002**

Substitute key **3 341 982 101**

**2 Key-operated switch up to 24 V, housing Ø 48 mm**

Key can be removed in any position.  
 Switching capacity: 100 A/24 V, 2 min (terminal 15).  
 Fastening: polished aluminum octagon nut M 26 x 1.  
 Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof). For wall thicknesses up to 2 mm.

Zinc-plated steel key. Key grip in black plastic jacket.  
 Switching capacity: 250 W (terminal 15), 150 W (terminal 56), 200 W (terminal 58).  
 Switch positions: 0 Off / 01 Daytime loads / 1 Side-marker lamp / 2 Headlamps.

Terminals connected:

	key inserted	key removed
0	-	-
01	30-15	-
02	30-15-58	30-58
2	30-15-56-58	30-56-58 <sup>1)</sup>

Connection: screw terminals 15, 30; blade terminals 30, 56, 58.  
 with 1 key **0 342 106 012**

as ..106 012, but nickel-plated key:  
 50 W (terminal 15), 100 W (terminal 56), 200 W (terminal 58).  
 Connection: screw terminals  
 with 1 key **0 342 106 004**

as ..106 012, but nickel-plated key:  
 Switching capacity: 50 W (terminal 15), 100 W (terminal 56), 200 W (terminal 58).  
 Connection: screw terminals 30, 56, 58: M 4. 15, 30: M 6.  
 Terminals protected against contact.  
 For cables up to 16 mm<sup>2</sup>.  
 with 1 key **0 342 106 005**

**3 Key-operated switch up to 24 V, housing Ø 48 mm**

Key can be removed in any position.  
 Switching capacity: 100 A/24 V, 2 min (terminal 15).  
 Fastening: polished aluminum octagon nut M 26 x 1.  
 Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof). For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in black plastic jacket.  
 Switching capacity: 250 W (terminal 15), 100 W (terminal 56a, 56b), 150 W (terminal 58).  
 Switch positions: 0 Off / 01 Daytime loads / 1 Side-marker lamp / 2 Low beam / 3 High beam.

Terminals connected:

	key inserted	key removed
0	-	-
01	30-15	-
1	30-15-58	30-58
2	30-15-56b-58	30-56b-58 <sup>2)</sup>
3	30-15-56a-58	30-56a-58 <sup>2)</sup>

Connection: screw terminals 15, 30; blade terminal 30, 56a, 56b, 58.  
 with 1 key **0 342 201 010**

as ..201 010, but nickel-plated key.  
 Key grip in plastic jacket. Colour black.  
 Switching capacity: 100 W (terminals 56a, 56b), 150 W (terminal 58), 250 W (terminal 15).  
 with 1 key **0 342 201 009**

**Spare parts**

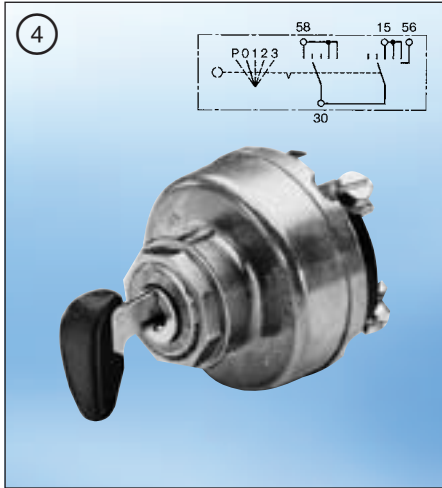
Switch key	<b>3 341 982 101</b>
Octagon nut	<b>1 343 300 002</b>
Washer	<b>3 340 102 000</b>

**Spare parts**

Switch key for 0 342 106 004, ..005	<b>3 341 981 010</b>
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<sup>1)</sup> only on 0 342 106 012  
<sup>2)</sup> only on 0 342 201 009

## Ignition switches



### 4 Key-operated switch up to 24 V, housing Ø 62 mm

Key can be removed only in position 0 or P.  
Switching capacity: 100 A/24 V, 2 min (terminal 15).

Fastening: polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout  
33.5 x 7.5 mm (twist-proof).

For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in plastic jacket.  
Colour black.

Lock No. E 30.

Switching capacity: 100 W (terminals 56, 58),  
150 W (terminal 15).

Switch positions: P Parking lamps / 0 Off /  
1 Daytime loads / 2 Side-marker lamp /  
3 Headlamps.

Terminals connected:

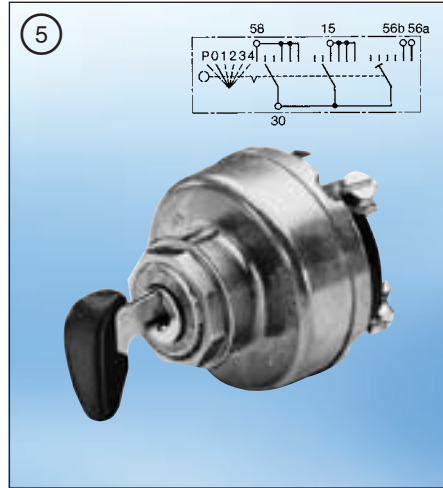
	key inserted	key removed
P	30-58	30-58
0	-	-
1	30-15	-
2	30-15-58	-
3	30-15-56-58	-

Connection: screw terminals 15, 30, 58;  
blade terminals 15, 30, 56

with 2 keys **0 342 202 001**

as ..202 001, but key with grip in plastic jacket.  
Lock No. U 39.

with 2 keys **0 342 202 002**



### 5 Key-operated switch up to 24 V, housing Ø 62 mm

Key can be removed only in position 0 or P.  
Switching capacity: 100 A/24 V, 2 min (terminal 15).

Fastening: polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout  
33.5 x 7.5 mm (twist-proof).

For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in plastic jacket.  
Colour black. Lock No. K 30.

Switching capacity: 100 W (terminals 56a, 56b,  
58), 150 W (terminal 15).

Switch positions: P Parking lamps / 0 Off /  
1 Daytime loads / 2 Side-marker lamp /  
3 Headlamps / 4 High beam.

Terminals connected:

	key inserted	key removed
P	30 - 58	30 - 58
0	-	-
1	30-15	-
2	30-15-58	-
3	30-15-56b-58	-
4	30-15-56a-58	-

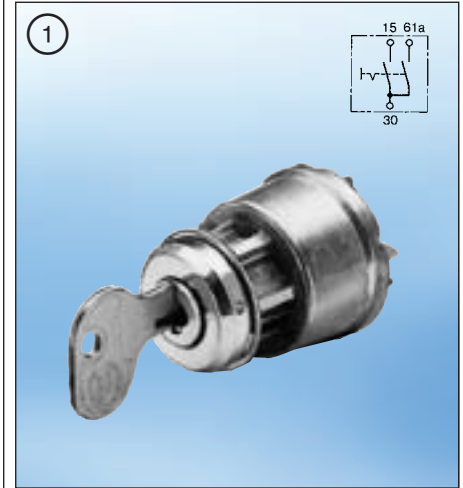
Connection: screw terminals 15, 30, 58;  
blade terminals 15, 30, 56a, 56b.

with 2 keys **0 342 203 001**

#### Spare parts

Switch key E 30	<b>3 341 980 279</b>
Switch key U 39	<b>3 341 980 338</b>
Octagon nut	<b>1 343 300 002</b>

Regarding spare keys for headlamp-ignition switches, please contact your authorized representative (address, see back cover)



### 1 Key-operated switch up to 24 V, with safety lock.

Key can be removed only in "off" position. Lock No. E 1 ... E 50.

Switching capacity: 20 A/24 V.

60 W (terminal 15), 5 W (terminal 61a).

Fastening: with unpolished aluminum round nut M 22 x 1.

Fitting: Ø 22.5 mm, with cutout (twist-proof)

For wall thicknesses up to 3 mm.

Connection: blade terminals.

with 2 keys **0 342 006 001**

as ..006 001, but with polished round nut.

with 2 keys **0 342 006 004**

as ..006 001, but with polished round nut,  
lock No. E 30.

with 3 keys **0 342 006 003**

as ..006 001, but key with grip in plastic jacket,  
lock No. K 3.

with 2 keys **0 342 006 007**

as ..006 001, but lock No. E 41.

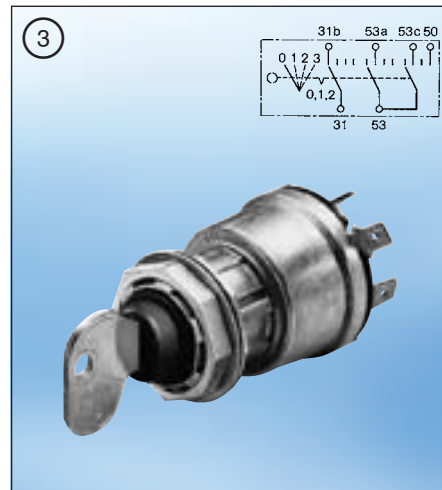
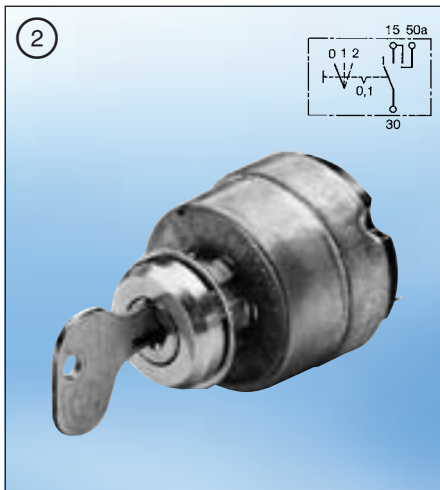
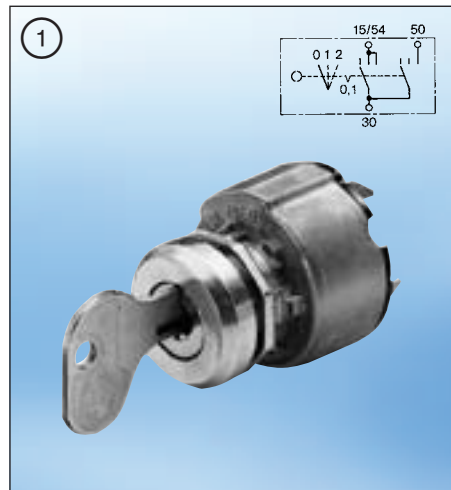
with 2 keys **0 342 006 009**

#### Spare parts

Washer **1 330 140 000**

# Ignition and starting switches

Up to 24 V



**1 Key-operated starting switch with start-repeating block**  
 Key can be removed only in "off" position. Nickel-plated key.  
 Key lock No. E 1...E 50.  
 Switching capacity: 90 W (terminals 15, 54), 12 A/12 V (terminal 50), 9 A/24 V (terminal 50).  
 Fastening: octagon and round nut M 22 x 1.  
 Fitting: Ø 22.5 mm (twist-proof). For wall thicknesses up to 9 mm.  
 Switch positions: 0 Off, 1 On, 2 Start.  
 Connection: blade terminals.  
 with 2 keys **0 342 311 003**

as ..311 003, but lock No. K 11.  
 with 2 keys **0 342 311 004**

as ..311 003, but lock No. E 11.  
 without key **0 342 311 006**

**2 Key-operated starting switch without start-repeating block**  
 Key can be removed only in "off" position. Key with grip in plastic jacket.  
 Key lock E 80.  
 Switching capacity: 150 W (terminal 15), 16 A/12 V (terminal 50a), 8 A/24 V (terminal 50a).  
 Fastening: octagon and round nut M 22 x 1.  
 For wall thicknesses up to 6 mm.  
 Fitting: Ø 22.5 mm (twist-proof).  
 Switch positions: 0 Off, 1 On, 2 Start.  
 Connection: blade terminals.  
 with 2 keys **0 342 309 008**

**Spare parts**  
 Switch key E 80 **3 341 980 379**  
 Washer **1 330 140 000**

**3 Key-operated light/starting switch without start-repeating block**  
 Key can be removed only in "off" position. Nickel-plated key. Key lock No. E 1...E 50.  
 Switching capacity: 80 W (terminals 53, 53c), 16 A/12 V (terminal 50), 8 A/24 V (terminal 50).  
 Fastening: two octagon nuts M 26 x 1.  
 Fitting: Ø 26.5 mm (twist-proof). For wall thicknesses up to 6 mm.  
 Switch positions: 0 Off, 1 Night driving, 2 Daytime driving, 3 Start.  
 Connection: blade terminals.  
 with 2 keys **0 342 309 007**

**Spare parts**  
 Octagon nut outside **1 343 300 002**  
 Washer outside **3 340 102 000**

**Spare parts**  
 Switch key E 11 **3 341 980 260**  
 Switch key E 30 **3 341 980 279**  
 Switch key K 11 **3 341 982 210**

Regarding spare keys for headlamp-ignition switches, please contact your authorized representative (address, see back cover)



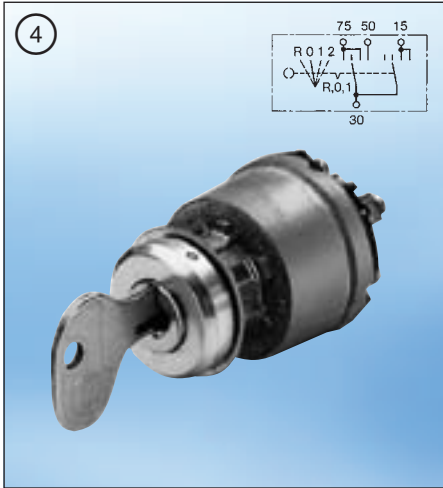
**For all key-operated switches**  
**DIN 40 050**  
**Housing IP 30**  
**Connection IP 00**

**Accessories** (order separately)

**Hinged cover**  
 For key-operated switches, protects against dust and moisture.  
 Material: Polyamide 6 (cover),  
 Fastening: with nut of switch.

for thread M 22 x 1	<b>3 347 000 032</b>
for thread M 26 x 1	<b>3 347 000 030</b>

## Battery master switches

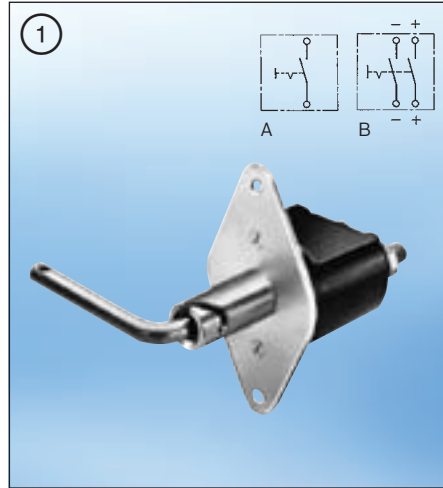


### 4 Key-operated radio/starting switch without start-repeating block

- Key can be removed only in "off" position.  
 Nickel-plated key. Key lock No. E 1...E 50.  
 Switching capacity: 150 W (terminals 15, 75)  
 9.5 A/12 V (terminal 50),  
 4.5 A/24 V (terminal 50).  
 Fastening: octagon and round nut M 22 x 1.  
 Fitting: Ø 22.5 mm (twist-proof). For wall thicknesses up to 7 mm.
- Switch positions: R Radio / 0 Off / 1 On / 2 Start  
 Connection: screw terminals.
- with 2 keys **0 342 309 003**  
 as ..309 003, but lock No. E 30.
- with 2 keys **0 342 309 006**  
 as ..309 003, key with grip in plastic jacket.  
 Lock No. U 39.  
 Connection: blade terminals.
- with 2 keys **0 342 309 009**
- as ..309 003, but key with grip in plastic jacket.  
 Lock No. K 1...50.  
 Connection: blade terminals.
- with 2 keys **0 342 309 011**
- as ..309 003, but lock No. K 10  
 Connection: blade terminals.
- with 2 keys **0 342 309 012**
- as ..309 003, but degree of protection  
 IP 30. Nickel-plated brass key.  
 Lock No. M 1...M 4  
 Connection: blade terminals.
- with 2 keys **0 342 309 005**
- as ..309 005, but lock No. K 30  
 with 2 keys **0 342 309 010**

#### Spare parts

Switch key E 30	<b>3 341 980 279</b>
Switch key K 10	<b>3 341 982 209</b>
Switch key K 30	<b>3 341 982 229</b>
Switch key U 39	<b>3 341 980 338</b>
Washer	<b>1 330 140 000</b>

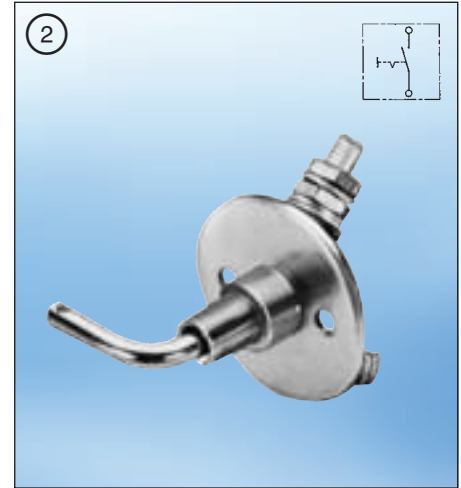


### 1 Lever switch with switch-on detent

- Lever: removable.  
 Switching capacity: 250 A/24 V, 2500 A (5 s)  
 Fitting: Ø 23.5 mm, 2 holes Ø 6.4 mm.  
 Hole spacing 100 mm. For wall thicknesses up to 25 mm.  
 Degree of protection: on handle side IP 00,  
 on housing side IP 54, terminals IP 00.  
 Connection: threaded terminal for cable lug
- 1-pole, diagram A **0 341 002 003**
- as ..002 003, but  
 for two-pole cutoff,  
 e.g. of combined 12-V and 24-V battery systems.  
 Fitting: Ø 23.5 mm, 2 holes Ø 8.4 mm.  
 Hole spacing 120 mm.
- 2-pole, diagram B **0 341 003 004**

#### Spare parts

Switch lever	<b>1 342 026 002</b>
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### 2 Lever switch with switch-on detent

- Galvanized housing. Lever: galvanized and removable.  
 Switching capacity: 100 A/24 V, 500 A (5 s)  
 Fitting: Ø 23 mm, 2 holes Ø 6.4 mm.  
 Hole spacing 38 mm. For wall thicknesses up to 14 mm.  
 Degree of protection: terminals IP 00,  
 housing IP 50.  
 Connection: threaded terminal for cable lug
- 0 341 001 001**

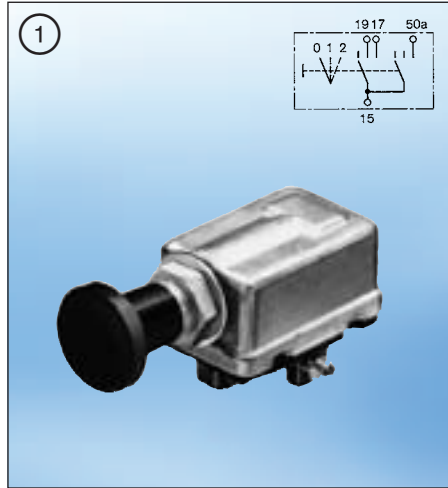
#### Spare parts

Switch lever	<b>3 342 027 051</b>
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#### Degrees of protection (complies with IEC 60529 and DIN 40050, page 9)

Designation	Protection against contact	Protection against foreign bodies	Protection against water
IP 00	No protection	No protection	No protection
IP 30	With tools etc. thickness Ø > 2.5 mm	Ø > 2.5 mm	No protection
IP 50	Complete	Dust-protected	No protection
IP 54	Complete	Dust-protected	Splashwater, from all directions

# Glow-plug and starting switches



**1 Push-pull starting switch**

Galvanized steel housing. With black knob, enclosed loose.  
 Switching capacity: 50 A/12 V (term. 17, 19) 27 A/24 V (terminals 17, 19), 12 A/12 V (terminal 50a), 9 A/24 V (terminal 50a).  
 Fastening: with hexagon nut M 10 x 1.  
 Fitting: Ø 10.5 mm. For wall thicknesses up to 3 mm.  
 Switch positions: knob must be held in position 1 (preheating) and 2 (start); returns automatically to position 0 (off).  
 Connection: screw terminals.

**0 343 008 006**

as ..008 006, but without knob.

**0 343 008 007**

as ..008 006, but  
 Connection: blade terminals, without knob

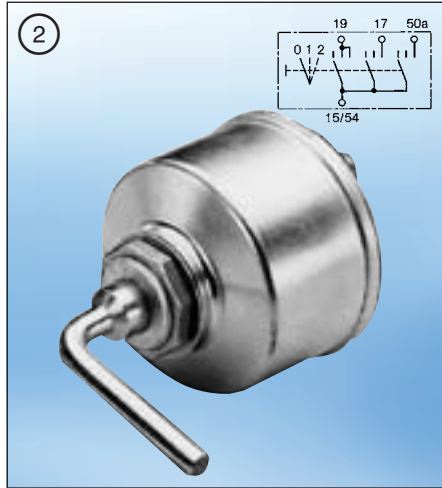
**0 343 008 009**

as ..008 006, but  
 Connection: blade terminals, without knob, without terminal 17.

**0 343 008 008**

**Spare parts**

Knob **3 343 231 070**



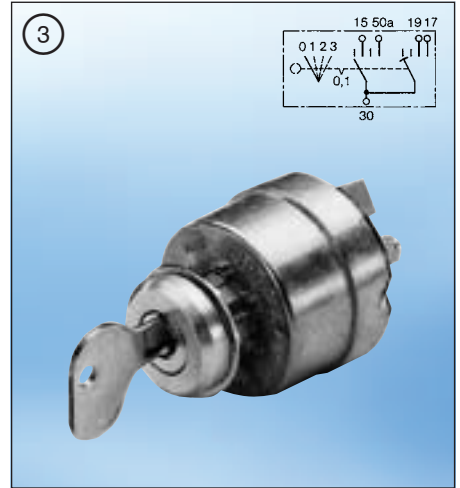
**2 Rotary starting switch**

Galvanized steel housing and switch lever.  
 Switching capacity: 12 A/12 V (terminal 50a) 9 A/24 V (terminal 50a), 100 A/24 V (terminals 17, 19), On-time 2 min.  
 Fastening: with pickled aluminum octagon nut.  
 Fitting: Ø 26.5 mm, with cutout (twist-proof). For wall thicknesses up to 2 mm.  
 Switch positions: switch handle must be held in position 1 (preheating) and 2 (start); it returns automatically to position 0 (off); cannot be removed.  
 Connection: screw terminals.

**0 343 401 001**

**Spare parts**

Octagon nut **1 343 300 002**  
 Washer **3 340 102 000**



**3 Key-operated starting switch**

with safety lock.  
 Key can be removed only in "off" position. Nickel-plated key. Key lock No. E 30.  
 Switching capacity: 13 A/24 V continuous duty (terminal 15), 33 A/24 V (terminals 17, 19).  
 On-time 2 min.  
 150 W/24 V (terminal 15), 18 A/12 V (terminal 50a), 9 A/24 V (terminal 50a).  
 Fastening: with octagon nut and unpolished aluminum round nut.  
 Fitting: Ø 22.5 mm, with cutout (twist-proof).  
 For wall thicknesses up to 6 mm.  
 Switch positions: 0 Off / 1 On / 2 Preheating / 3 Start.  
 Connection: screw terminals.  
 with 2 keys **0 342 315 001**

as ..315 001, but  
 nickel-silver key, lock No. N 30.  
 with 2 keys **0 342 315 002**

as ..315 001, but  
 key with grip in plastic jacket, lock No. U 39  
 with 2 keys **0 342 315 004**

**Spare keys**

The key formula consists of the key designation (letter) and the key number.  
 The key designation informs about the type of key or its type of protection. Keys with the same key number, but with different designation, are interchangeable.

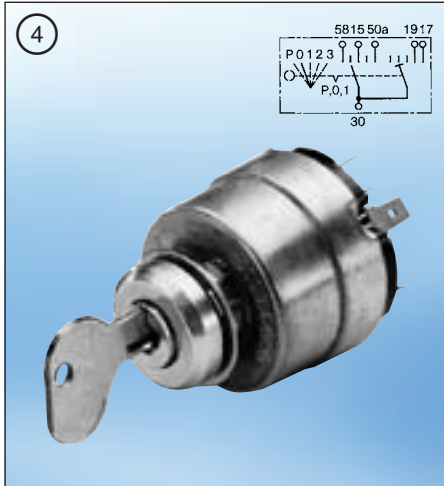
E	key, nickel-plated	
K	key with grip in plastic jacket	
N	nickel-silver	
U	key with grip in plastic jacket	
E 11		<b>3 341 980 260</b>
E 30		<b>3 341 980 279</b>
E 80		<b>3 341 980 379</b>
K 10		<b>3 341 982 209</b>
K 30		<b>3 341 982 229</b>
K 80		<b>3 341 982 279</b>
N 30		<b>3 341 980 329</b>
U 39		<b>3 341 980 338</b>





## Glow-plug switches

## Motor and equipment switches



### 4 Key-operated light/starting switch

with safety lock. Key can be removed only in "off" position. Nickel-plated key.

Key lock No. E 51-E 100.

Switching capacity: 13 A/24 V continuous duty (terminal 15), 33 A/24 V (terminals 17, 19).

On-time 2 min.

18 A/12 V (terminal 50a), 9 A/24 V (terminal 58).

Fastening: with octagon nut and unpolished aluminum round nut M 22 x 1.

Fitting:  $\varnothing$  22.5 mm, with cutout (twist-proof). For wall thicknesses up to 6 mm.

Switch positions: P Parking lamp / 0 Off /

1 On / 2 Preheating / 3 Start.

Connection: for terminals 17, 19, 30, connect both terminals if current above 45 A.

with 2 keys **0 342 316 002**

as ..316 002, but

key with grip in plastic jacket and round nut painted black. Lock No. K 80.

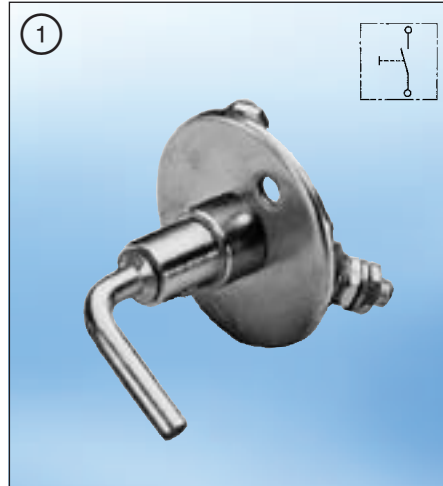
with 2 keys **0 342 316 003**

### Spare parts for ③ ④

Switch keys for lock Nos.

E 30	<b>3 341 980 279</b>
K 80	<b>3 341 982 279</b>
N 30	<b>3 341 980 329</b>
U 39	<b>3 341 980 338</b>
Washer	<b>1 330 140 000</b>

Regarding spare keys for headlamp-ignition switches, please contact your authorized representative (address, see back cover)



### 1 Preheat lever switch

Galvanized steel housing. Chrome-plated switch lever, not removable.

Switching capacity: 100 A/12 V (on-time 2 min).

Fastening: flush installation.

Fitting:  $\varnothing$  22 mm. 2 holes  $\varnothing$  6.4 mm, hole spacing 38 mm.

Switch positions: 0 Off, 1 Preheating, switch

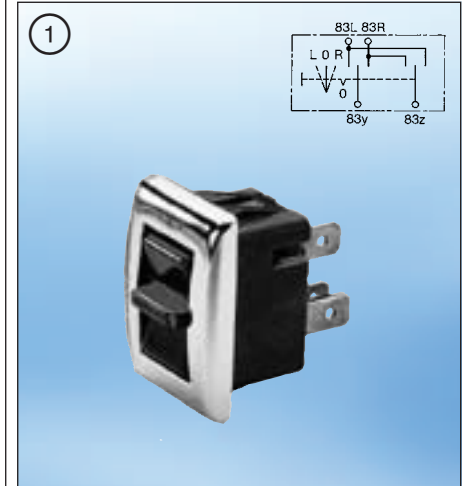
lever must be held in preheating position, returns automatically to position 0 (Off).

Connection: terminal stud (for cables with cable lug).

**0 343 405 001**

### Note:

If this glow-plug switch is used, a special ignition switch, or headlamp-ignition switch, or ignition and starting switch is necessary, see Pages A 98...A 101.



### 1 Rocker switch Reversing changeover switch

12 V

With reset, for power-windows, sunroofs etc.

With chrome-plated cover, black switch handle.

Dual changeover switch

72 W/12 V (30 A for on-time 5 sec).

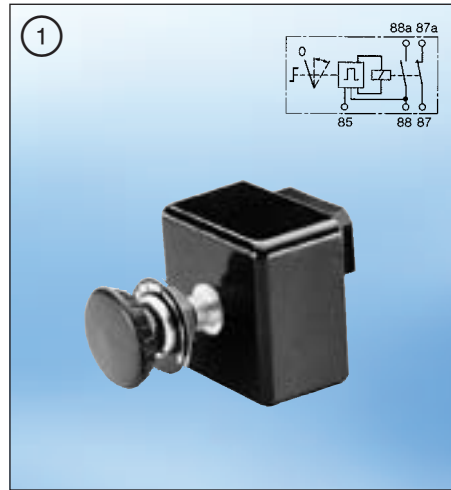
Fastening: with clamping spring, with or without mounting frame.

Connection: blade terminals.

**0 343 302 003**

## Wiper switches

Up to 24 V



**1 Rotary switch, wiper pulse generator, soft rubber knob, black**

For self-parking wiper motors. For intermittent wiping. Continuously adjustable from 2 to 25 pulses/min.

Pulse length approx. 0.4 s independent of load.

Fastening: with round nut M 10 x 1.

Fitting: Ø 10.5 mm. For wall thicknesses up to 9 mm.

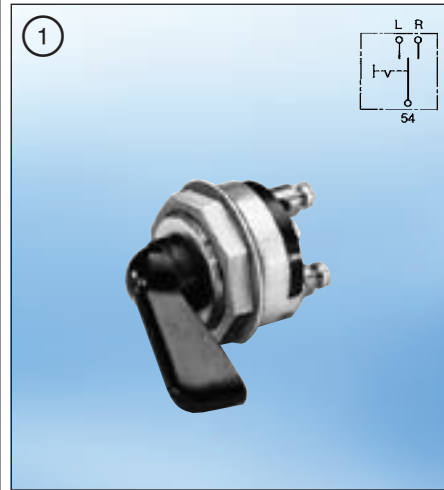
Connection: blade terminals.

6 V/12 V **0 336 920 004**

24 V <sup>1)</sup> **0 336 920 003**

<sup>1)</sup> Use a relay for wiper motors with more than 3.2 A current consumption.

## Turn-signal switches



**1 Rotary, single-circuit switch without indicator lamp**

Housing black, switch lever black.

Switching capacity: 45 W/12 V (term. L, R)

Fastening: with polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout (twist-proof). For wall thicknesses up to 2 mm.

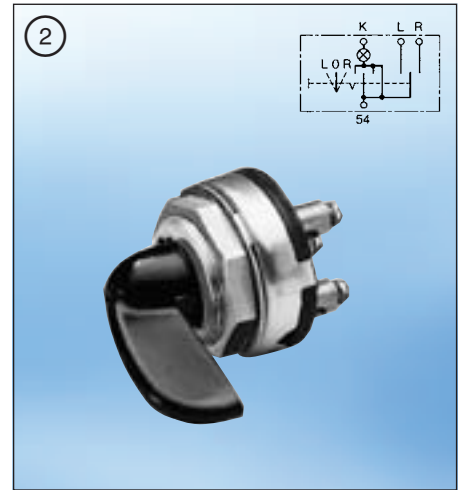
Connection: screw terminals.

**0 341 101 001**

**Spare parts**

Octagon nut **1 343 300 002**

Washer **3 340 102 000**



**2 Rotary, single-circuit switch with indicator lamp**

Without bulb, housing galvanized, switch lever black, lens red.

Switching capacity: 60 W/12 V (terminals L, R), 5 W/12 V (terminal K).

Fastening: with polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout (twist-proof). For wall thicknesses up to 2 mm.

Connection: screw terminals.

**0 341 300 002**

**Spare parts**

Octagon nut **1 343 300 002**

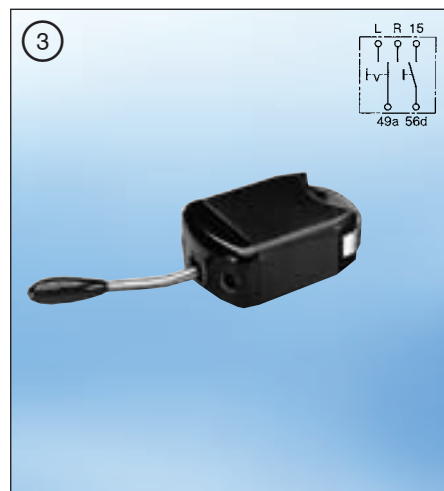
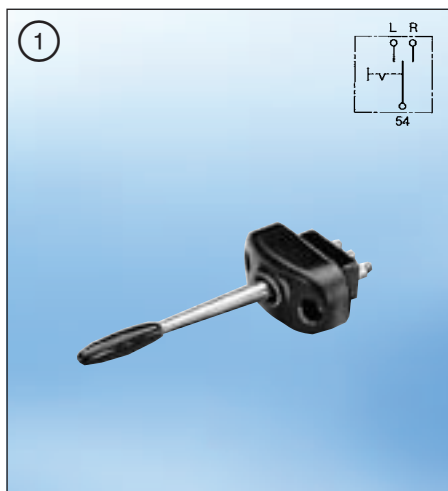
Washer **3 340 102 000**

**Bulb (shape H)**

12 V 2,0 W **1 987 302 212**

24 V 2,0 W **1 987 302 508**

# Turn-signal and combi-switches



## 1 Lever-type turn-signal switch without headlamp-flasher contact

For mounting in steering column.  
Knob and housing black. Switch lever galvanized with transparent chromated finish. Switch lever 82 mm long.  
Switching capacity: 60 W/24 V (term. L, R).  
Fastening: 2 holes  $\varnothing$  4.2 mm.  
Hole spacing 42 mm.  
Fitting: aperture 32 x 21 mm.  
Connection: screw terminals.

**0 341 600 001**

## 3 Lever-type turn-signal switch with headlamp-flasher contact

Housing and handle black, switch lever angled at 15°, bright-galvanized and transparent chromated finish. Switch lever 148 mm long.  
Switching capacity: 80 W/24 V (term. L, R), 100 W/24 V (terminal 56d).  
Fastening: on steering column with clamping band. Clamping range  $\varnothing$  45 to  $\varnothing$  55 mm.  
With fastening parts (enclosed loose).  
Connection: blade terminals.

**0 341 810 006**

## 2 Lever-type turn-signal switch with headlamp-flasher contact

For mounting in steering column. Housing, handle and switch lever black. Switch lever straight. Length 148 mm.  
Switching capacity: 80 W/24 V (term. L, R), 100 W/24 V (terminal 56 d).  
Fastening: on steering column with clamping band. Clamping range  $\varnothing$  45 to  $\varnothing$  55 mm.  
Without fastening parts.  
Connection: blade terminals.

**0 341 810 005**

as ..810 005, but switch lever angled 5°, length 109 mm.

**0 341 810 013**

## 4 Lever-type combi-switch

Diagram ④:  
For turn-signal indicators, change-over switch for high and low beam, with horn button. Housing and handle black.  
With switch lever angled at 11°. Length 220 mm.  
Switching capacity: 110 W/24 V (terminals L, R, 56a, 56b, LH), 60 W/24 V (terminal 71a), 85 W/24 V (terminal 71b).  
Fastening: with clamping ring  $\varnothing$  45 mm.  
Connection: 8-pole flat-pin plug.  
Cables 400 mm.

**0 341 810 007**

as ..810 007, but switch lever angled at 20°. Length 180 mm

**0 341 810 008**

as ..810 007, but cables 430 mm long and switch lever angled 20°. Length 239 mm.

**0 341 810 009**

as ..810 007, but diagram ④:  
Horn button with 2 switch positions for supertone horn. With headlamp flasher. Switch lever angled at 20°. Length 180 mm  
Connection: one 8-pole plug, one 3-pole plug.

**0 341 810 010**

# Multi-purpose pressure switches

Pneumatically and hydraulically actuated



**1 Pressure switch. NO contact  
On-off switch, two-chamber system.**  
For use in vehicle as check switch. Hydraulically or pneumatically actuated. Switching capacity: 2 W/24 V (lamp load). Permissible pressure agents: mineral oil, air (details of other agents upon request). Permissible operating temperature: -40...+130 °C.  
Fastening: screw-in thread M 12 x 1.5.  
Connection: blade terminals.  
Switching range (gauge press.): 1.8...2.3 bar  
Permissible operating pressure (gauge pressure): 6 bar. Permissible max. pressure (gauge pressure): 10 bar.  

---

1-pole **0 986 345 202**  
as ..202, but  
Switching capacity: 5 W/24 V (lamp load).  
Permissible operating temperature: -25...+85 °C  
Fastening: screw-in thread M 10 x 1.  
Switching range (gauge press.): 0.1...0.5 bar  
Permissible operating pressure (gauge pressure): 8 bar. Permissible max. pressure (gauge pressure): 15 bar  

---

1-pole **0 986 345 203**



**2 Pressure switch.  
NC contact**  
On-off switch, two-chamber system. For use in vehicle as check switch.  
Pneumatically actuated.  
Switching capacity: 5 W/24 V (lamp load).  
Permissible operating temperature: -40...+100 °C.  
Fastening: screw-in thread M 12 x 1.5.  
Connection: blade terminals.  
Switching range (gauge press.): 4.4...5.1 bar  
Permissible operating pressure (gauge pressure): 8 bar.  
Proof against excess pressure up to 12 bar  

---

1-pole **0 986 345 501**  
as ..501, but  
Switching range (gauge press.): 5.6...6.6 bar  
Permissible operating pressure (gauge pressure): 12 bar.  
Proof against excess pressure up to 15 bar.  

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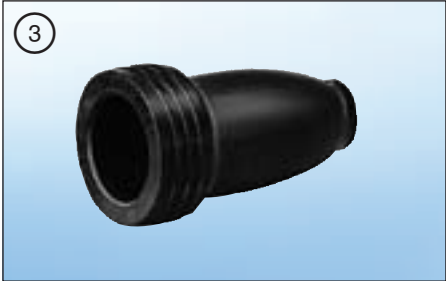
1-pole **0 986 345 503**



**4 Pressure switch.  
NC contact**  
On-off switch, two-chamber system. For use in vehicle as check switch. Pneumatically actuated.  
Switching capacity: 5 W/24 V (lamp load).  
Permissible operating temperature: -40...+100 °C.  
Fastening: screw-in thread M 12 x 1.5.  
Connection: blade terminals.  
Switching range (gauge pressure): 0.5...0.9 bar. Permissible operating pressure (gauge pressure): 12 bar.  
Proof against excess pressure up to 15 bar  

---

1-pole **0 986 345 504**



**3 Protective cap**  
For multi-purpose pressure switches with blade terminals.  
Protects electrical connections against moisture.  
Material: black neoprene.  
Fastening: self-clamping.  

---

**3 340 524 012**

as ..501, but  
Switching range (gauge press.): 9.6...10.8 bar.  
Permissible operating pressure (gauge pressure): 18 bar.  
Proof against excess pressure up to 18 bar.  

---

1-pole **0 986 345 502**

**Accessories** (order separately)  
for pressure switches 0 986 345 501, ..502, ..503.

# Universal pressure switch

with DIN bayonet connector



## ④ Mechanical pressure switch with bayonet connector

Operating forces:  
 - at switch point ~ 16 N  
 - at final position ~ 32 N  
 (other values upon request)  
 Operating temperature: -30°C ..... +130°C  
 Operating voltage: 5V - 32 V  
 Switching current: max. 5A  
 Switching capacity: max. 135 W  
 Endurance test: up to 1.500.000 cycles  
 Switch type: Normally open contact or  
 Normally closed contact  
 Electrical connection: acc. to ISO 15170  
 (DIN 72585)  
 Hexagon: 27  
 Connecting thread: M16x1,5 / M18x1,5  
 (other connecting threads upon request)  
 Material characteristics:  
 - Housing: Brass / zinc-plated steel (CrVI-free) /  
 stainless steel  
 - Socket: PA66-GF30  
 - Plunger: Zinc-plated steel (CrVI-free) /  
 stainless steel; hardened  
 - Electrical contacts: Silver  
 (other contacts upon request)  
 Tightening Torque: max. 50 Nm  
 Degree of protection: up to IP6K9K with suitable  
 connector installed  
 2-pole **0 986 346 800**

## ④ Pressure switch with bayonet connector

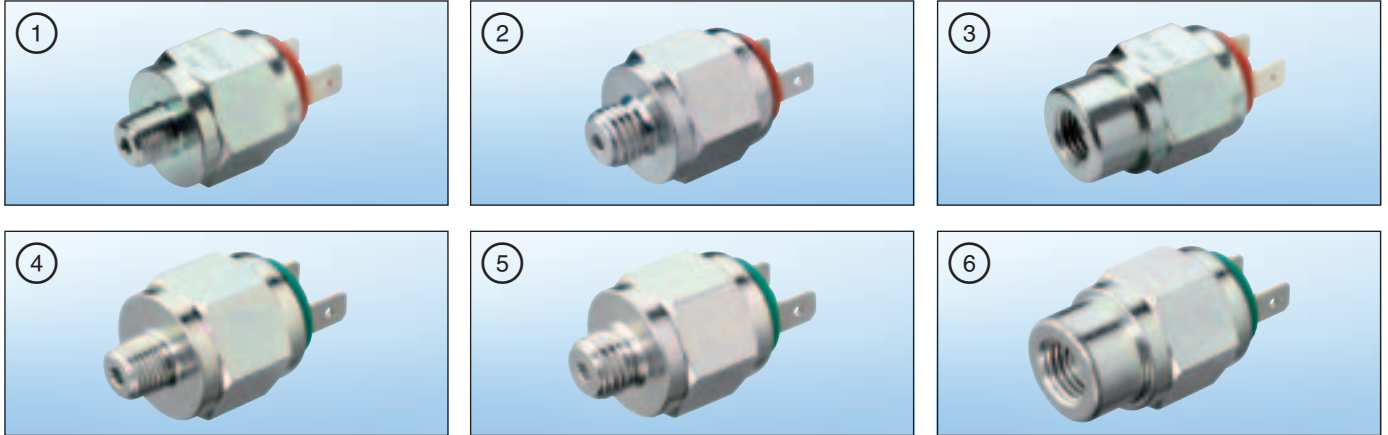
Set pressure: Adjustment range from 0,15 bar  
 to 10 bar  
 Hysteresis: average value 10% depending on type,  
 not adjustable  
 Working pressure: max. 12 bar  
 Overpressure safety: 16 bar  
 Bursting pressure: > 50 bar  
 Medium: Air  
 Operating temperature: -40°C ..... +100°C  
 Operating voltage: 12 / 24 V DC  
 Switching capacity: max. 30 W  
 (at ohmic load)  
 Endurance test: 1.000.000 cycles  
 Switch type: Normally open contact or  
 Normally closed contact  
 Electrical connection: acc. to ISO 15170  
 (DIN 72585)  
 Hexagon: 24 or 27  
 Connecting thread: M10x1 / M10x1 con. /  
 M12x1,5 / M16x1,5  
 (other connecting threads upon request)  
 Material characteristics:  
 - Housing: Brass / zinc-plated steel (CrVI-free) /  
 stainless steel  
 - Socket: PA66-GF30  
 - Electrical contacts: Silver  
 (other contacts upon request)  
 Degree of protection: up to IP6K9K with suitable  
 connector installed  
 2-pole **0 986 346 700**





# Pressure switch up to 24 V/15 A

for engine coolings fans  
(-40°C...+140°C)



Type of actuation	Fastening screw-in thread	Operating pressure range/ Temperature range bar / °C	Connection 2-pole	Fig.	Part number
<b>Pressure switch NC contact</b>	M12 x 1.5	2.0 ± 0.2 bar	Blade terminal 6.3 mm		<b>0 986 346 001</b>
	M12 x 1.5	4.0 ± 0.4 bar	Bimetal rivets		<b>0 986 346 002</b>
	M12 x 1.5	0.15 ± 0.1 bar	AGNi 20a/E-Cu, DIN 46244		<b>0 986 346 003</b>
	M12 x 1.5	0.5 ± 0.15 bar			<b>0 986 346 004</b>
	M12 x 1.5	6.0 ± 0.6 bar			<b>0 986 346 005</b>
	M12 x 1.5	2.5 ± 0.3 bar		2	<b>0 986 346 006</b>
	M12 x 1.5	1.0 ± 0.2 bar			<b>0 986 346 007</b>
	M12 x 1.5	4.5 ± 0.5 bar			<b>0 986 346 008</b>
	M12 x 1.5	5.0 ± 0.5 bar			<b>0 986 346 009</b>
	M12 x 1.5	0.8 ± 0.15 bar			<b>0 986 346 010</b>
	M12 x 1.5	3.0 ± 0.3 bar			<b>0 986 346 011</b>
	M12 x 1.5	5.5 ± 0.6 bar			<b>0 986 346 012</b>
	M12 x 1.5 (internal thread)	0.15 ± 0.1 bar		3	<b>0 986 346 021</b>
	M12 x 1.5 (internal thread)	0.5 ± 0.15 bar			<b>0 986 346 022</b>
	M12 x 1.5 (internal thread)	4.0 ± 0.4 bar			<b>0 986 346 023</b>
	M10 x 1 (tapered short)	1.0 ± 0.2 bar			<b>0 986 346 031</b>
	M10 x 1 (tapered short)	2.0 ± 0.2 bar		1	<b>0 986 346 032</b>
	M10 x 1 (tapered short)	3.0 ± 0.3 bar			<b>0 986 346 033</b>
	M10 x 1 (tapered short)	4.0 ± 0.4 bar			<b>0 986 346 034</b>
	<b>Pressure switch NO contact</b>	M12 x 1.5	5.5 ± 0.6 bar	Blade terminal 6.3 mm	5
M12 x 1.5		2.0 ± 0.2 bar	Bimetal rivets		<b>0 986 346 052</b>
M12 x 1.5		0.3 ± 0.1 bar	AGNi 20a/E-Cu, DIN 46244		<b>0 986 346 053</b>
M12 x 1.5		3.5 ± 0.4 bar			<b>0 986 346 054</b>
M12 x 1.5		4.1 ± 0.4 bar			<b>0 986 346 055</b>
M12 x 1.5		4.5 ± 0.5 bar			<b>0 986 346 056</b>
M12 x 1.5		5.0 ± 0.5 bar			<b>0 986 346 057</b>
M12 x 1.5		1.2 ± 0.2 bar			<b>0 986 346 058</b>
M12 x 1.5		6.0 ± 0.6 bar			<b>0 986 346 059</b>
M12 x 1.5		5.2 ± 0.5 bar			<b>0 986 346 060</b>
M12 x 1.5		5.7 ± 0.6 bar			<b>0 986 346 061</b>
M12 x 1.5		6.6 ± 0.6 bar			<b>0 986 346 062</b>
M12 x 1.5 (internal thread)		4.5 ± 0.5 bar		6	<b>0 986 346 071</b>
M12 x 1.5 (internal thread)		5.5 ± 0.6 bar			<b>0 986 346 072</b>
M12 x 1.5 (internal thread)		5.7 ± 0.6 bar			<b>0 986 346 073</b>
M10 x 1 (tapered short)		4.2 ± 0.4 bar		4	<b>0 986 346 081</b>
M10 x 1 (tapered short)		2.0 ± 0.2 bar			<b>0 986 346 082</b>

## Temperature switch up to 24 V/15 A

for engine coolings fans  
(-40°C...+140°C)



Type of actuation	Fastening screw-in thread	Operating pressure range/ Temperature range bar / °C	Connection 2-pole	Fig.	Part number
<b>Temperature switch</b>	M22x1,5-6g	92°C-87°C	Blade terminal 6.3 mm	7	<b>0 986 347 005</b>
	M22x1,5-6g	88°C-79°C	Bimetal rivets		<b>0 986 347 003</b>
	M22x1,5-6g	95°C-86°C	AGNi 20a/E-Cu,		<b>0 986 347 004</b>
	M22x1,5-6g	82°C-68°C	DIN 46244		<b>0 986 347 002</b>
	M22x1,5-6g	95°C-90°C			<b>0 986 347 001</b>

# Oil-pressure warning switches

Hydraulically actuated  
Up to 24 V



For European vehicles  
Two-chamber system



Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 1-pole	Fig.	Part number	Vehicle makes <sup>1)</sup>
M 10 x 1	0.15–0.45	Blade terminals	1	<b>0 986 344 082</b> <sup>2) 3)</sup>	Audi, Volvo, VW
	0.3–0.5	Blade terminals	1	<b>0 986 344 085</b> <sup>2)</sup>	Cesab, Itma Trattori, VM, VW
	0.5–0.8	Blade terminals	1	<b>0 986 344 090</b> <sup>3)</sup>	Fendt
M 10 x 1 (tapered short)	0.05–0.15	Blade terminals	1	<b>0 986 344 055</b>	BMW
	0.15–0.45	Blade terminals	1	<b>0 986 344 044</b> <sup>2) 3)</sup>	Alfa Romeo, Audi, Porsche, VW
DIN 158	0.2–0.49	Blade terminals	2	<b>0 986 344 032</b>	Audi, Massey-Ferguson-Hanomag
	0.2–0.5	Blade terminals	1	<b>0 986 344 058</b> <sup>2) 3)</sup>	ABG, Atlas, Hanomag, Massey-Ferguson, Steyr
		Screw terminals M 4	4	<b>0 986 344 051</b>	Audi, Magirus-Deutz, MAN, Porsche, Saviem
	0.3–0.6	Blade terminals	1	<b>0 986 344 056</b> <sup>2) 3)</sup>	Audi, Porsche, VW
		Screw terminals M 4	4	<b>0 986 344 052</b>	–
	0.5–0.8	Blade terminals	1	<b>0 986 344 033</b> <sup>3)</sup>	Hanomag-Henschel, MAN, Schilter, Volvo
		Screw terminals M 4	4	<b>0 986 344 053</b>	Reformwerke Bauer, Steyr, Volvo
	0.8–1.2	Blade terminals	1	<b>0 986 344 041</b> <sup>2) 3)</sup>	IF, Itma Trattori, Lamborghini, Mosa, Muzzi, Palmieri, Steyr, VM
Screw terminals M 4		4	<b>0 986 344 046</b> <sup>2) 3)</sup>	Alfa Romeo	
M 12 x 1,5	0.2–0.5	Blade terminals	1	<b>0 986 344 040</b> <sup>2) 3)</sup>	BMW, FIAT, Lamborghini, UNIC
	0.3–0.55	Screw terminals	3	<b>0 986 344 089</b>	Mercedes-Benz
M 12 x 1,75	1.2–1.7	Blade terminals	1	<b>0 986 344 077</b> <sup>2) 3)</sup>	Huerlimann, Lamborghini, Same, VM
M 14 x 1,5	0.15–0.45	Blade terminals	1	<b>0 986 344 046</b> <sup>2) 3)</sup>	Alfa Romeo
	0.3–0.55	Screw terminals M 4	4	<b>0 986 344 080</b> <sup>2)</sup>	Mercedes-Benz
		Blade terminals	1	<b>0 986 344 036</b> <sup>3)</sup>	Opel, Peugeot, Renault, Vauxhall, Volvo
¼"-18 NPTF	0.2–0.6	Threaded pins <sup>4)</sup>	5	<b>0 986 344 086</b> <sup>3)</sup>	Ford, SAAB
⅜"-27 PTF- SAE short	0.3–0.6	Blade terminals	1	<b>0 986 344 076</b> <sup>2) 3)</sup>	DAF, Ford, Case IH, IH
	0.5–0.8	Blade terminals	1	<b>0 986 344 054</b> <sup>2) 3)</sup>	DAF, Ford, John Deere, SAAB
⅜"-27 NPTF	0.4–0.7	Blade terminals	1	<b>0 986 344 074</b> <sup>2) 3)</sup>	Volvo

## Technical data for European and Japanese oil-pressure warning switches

On-off switch, NC contact. Steel housing, for European vehicles galvanized and yellow chromated.  
Switching capacity (lamp load): 5 W to 24 V.  
Permissible operating temperature: –40 °C ... +140 °C.

Permitted operating pressure (gauge pressure): 6 bar.  
Maximum pressure (gauge pressure): 10 bar.  
Degree of protection according to DIN 40050 (Page 9):  
IP 66 if suitable protective cap is used, i.e.: complete protection against contact, protection against penetration by dirt and dust and penetration by water during temporary submersion.

<sup>1)</sup> See application recommendation for vehicle models.

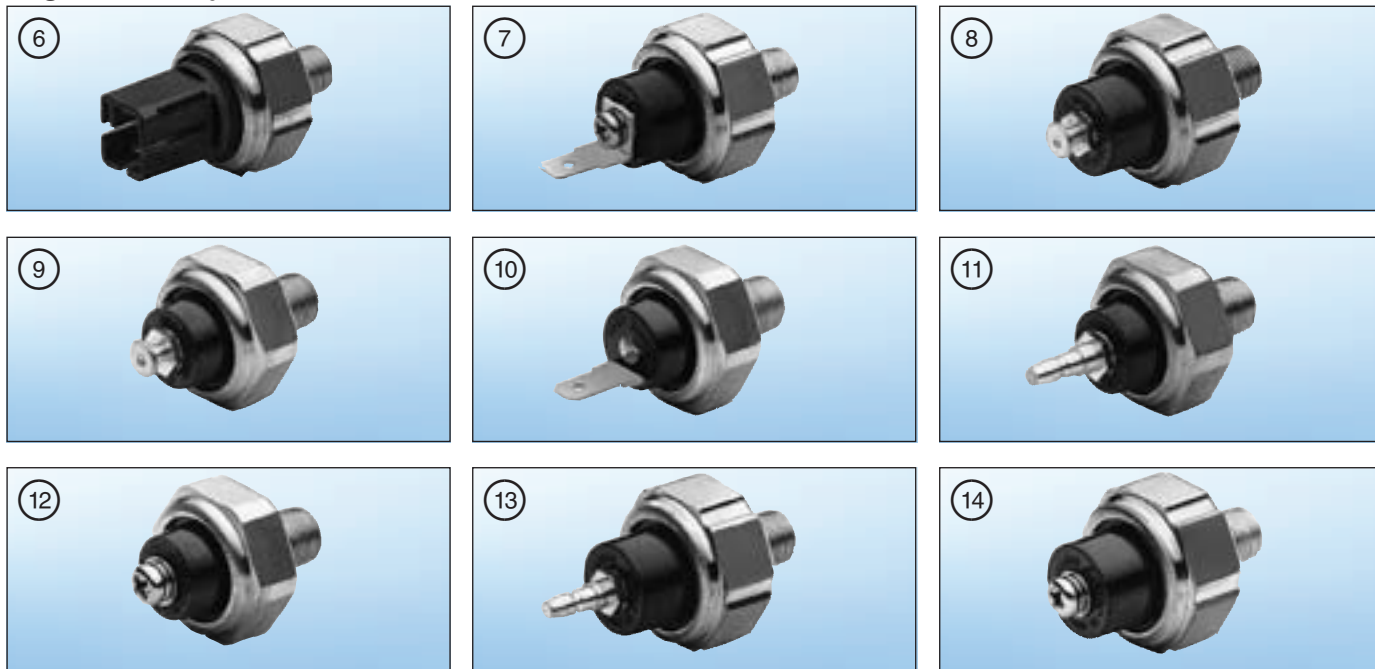
<sup>2)</sup> Interior parts with special corrosion protection.

<sup>3)</sup> Accessories: protective cap **3 340 522 025** see next page.

<sup>4)</sup> Threaded pin 8-32 UNC-2 A.



**For Japanese vehicles**  
**Single-chamber system**



Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 1-pole	Fig.	Part number	Vehicle makes <sup>1)</sup>
R 1/8"-28 BSP (tapered)	0.16-0.18	Blade terminals	6	<b>0 986 345 007</b>	Nissan
	0.25-0.35	Blade terminals	7	<b>0 986 345 001</b>	Daihatsu, Suzuki, Toyota
		Mitsubishi, Suzuki			<b>0 986 345 017</b>
	0.28-0.38	Plate terminals	8	<b>0 986 345 000</b>	Toyota
			<b>0 986 345 012</b>	Mazda	
	0.28-0.34	Plate terminals	9	<b>0 986 345 005</b>	Daihatsu, Mazda
	0.28-0.34	Blade terminals	10	<b>0 986 345 008</b>	Daihatsu, Subaru, Suzuki
	0.30-0.32	Pin terminals	11	<b>0 986 345 009</b>	Honda
	0.30-0.38	Screw	12	<b>0 986 345 006</b>	Honda, Mazda, Subaru
	0.30-0.40	Pin terminals	13	<b>0 986 345 003</b>	Nissan
0.35-0.45	Screw terminals	14	<b>0 986 345 004</b>	Mazda	
				<b>0 986 345 011</b>	Honda

<sup>1)</sup> See application recommendations for vehicle models.



**Accessories** (order separately)


**Protective cap**

For oil-pressure warning switches with blade terminals. Protects electrical connections against moisture.

Material: black neoprene.

Fastening: self-clamping.

**3 340 522 025**

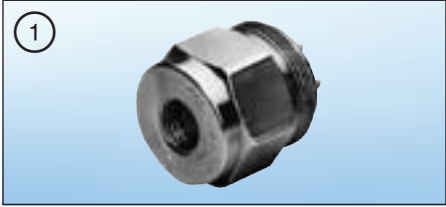


**Important installation note**

Before installing the new oil-pressure warning switch, check that the pressure range (can be read off on housing) and thread of the replacement switch match those of the original switch.

# Stop lamp switches

Pneumatically or hydraulically actuated



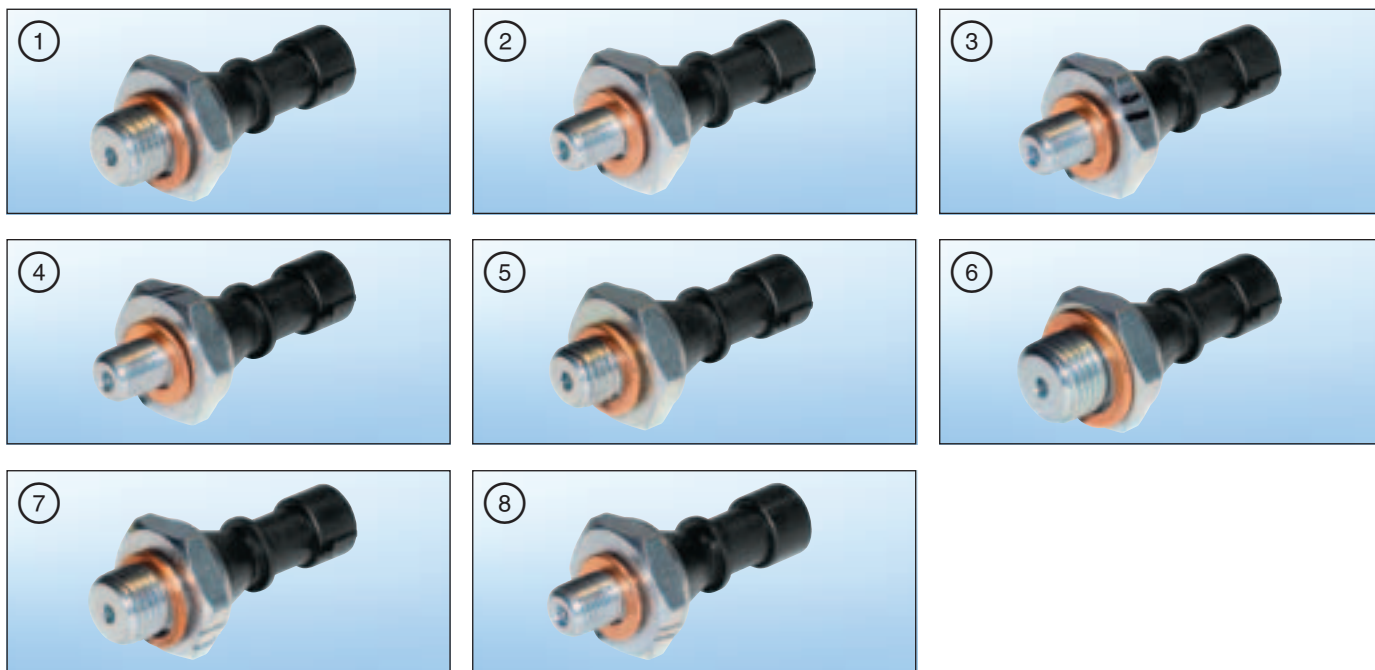
Type of actuation	Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 2-pole	Fig.	Part number
<b>Pneumatic</b>	M 12 x 1,5	0.1–0.3	Pin terminals	1	<b>0 986 345 413</b> <sup>1)</sup>
		0.1–0.5	Blade terminals	2	<b>0 986 345 408</b>
			Blade terminals 6,3 mm	2	<b>0 986 345 409</b>
		0.75–1.0	Pin terminals	1	<b>0 986 345 414</b> <sup>1)</sup>
		1.0–1.4	Pin terminals	1	<b>0 986 345 411</b> <sup>1)</sup>
<b>Hydraulic</b>	M 10 x 1 (tapered short) DIN 158	2–4	Blade terminals	3	<b>0 986 345 112</b>
			Blade terminals	3	<b>0 986 345 114</b> <sup>2)</sup>
		2–5	Pin terminals	4	<b>0 986 345 115</b> <sup>1)</sup>
			Blade terminals	3	<b>0 986 345 116</b> <sup>2)</sup>
		3–6	Blade terminals	3	<b>0 986 345 110</b>
			Blade terminals	3	<b>0 986 345 113</b> <sup>2)</sup>
	1/8" x 27 NPTF SAE-short	2–4	Blade terminals	3	<b>0 986 345 117</b> <sup>1)</sup>
			Blade terminals	3	<b>0 986 345 119</b>
		2–5	Blade terminals	3	<b>0 986 345 120</b>
			Blade terminals	3	<b>0 986 345 111</b>
<b>Oil-pressure switches</b>	M 12 x 1,5	0.1–0.5	Blade terminals 6,3 mm	2	<b>0 986 346 409</b>
		1.0–1.4	Pin terminals	1	<b>0 986 346 411</b> <sup>1)</sup>
		0.1–0.3	Pin terminals	1	<b>0 986 346 413</b> <sup>1)</sup>
		0.75–1.0	Pin terminals	1	<b>0 986 346 414</b> <sup>1)</sup>
	M 10 x 1 (tapered short) DIN 158	3–6	Blade terminals	3	<b>0 986 346 110</b>
		2–4	Blade terminals	3	<b>0 986 346 112</b>
	1/8" x 27 NPTF SAE-short	2–5	Pin terminals	4	<b>0 986 346 115</b>
			Blade terminals	3	<b>0 986 346 111</b>
		2–4	Blade terminals	3	<b>0 986 346 119</b>
			Blade terminals	3	<b>0 986 346 120</b>

**Technical data**

Pneumatic pressures: Permissible operating pressure (gauge pressure) 8 bar.  
 Max. permissible pressure (gauge pressure) 12 bar. Overload capacity 15 bar (max. 2 s).  
 Permissible operating temperature: -40...+100 °C.  
 Hydraulic pressures (pressure medium: brake fluid).

Permissible operating pressure (gauge pressure) 200 bar.  
 Max. permissible pressure (gauge pressure) 350 bar.  
 Permissible operating temperature: -40...+80 °C.  
 On-off switch, NO contact, two-chamber system.  
 Galvanized steel housing with yellow chromated finish.  
 Electrical connections silver-plated.  
 Switching capacity (lamp load): 150 W/12 V or 100 W/24 V.

<sup>1)</sup> With thread M 27 x 1 (on plug side) for splashwater protection.  
<sup>2)</sup> With two blade-terminal connections supplied loose.



Type of actuation	Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 1-pole	Fig.	Part number
<b>Oil-pressure switches/NC contact</b>	M 14 x 1,5	0,30–0,55	Blade terminals as per ISO 8092-3	1	<b>0 986 346 370</b>
	M 10 x 1,0	0,30–0,55		2	<b>0 986 346 371</b>
	M 10 x 1,0	0,20–0,40		3	<b>0 986 346 372</b>
	M 10 x 1,0	0,10–0,30	1,5 x 0,8 Brass, silver-plated	4	<b>0 986 346 373</b>
	M 12 x 1,5	0,20–0,40		5	<b>0 986 346 374</b>
	M 16 x 1,5	0,45–0,75		6	<b>0 986 346 375</b>
	M 14 x 1,5	0,45–0,75		7	<b>0 986 346 376</b>
	M 10 x 1,0	1,80–2,20		8	<b>0 986 346 377</b>

O.E.	Bosch
<b>ALFA ROMEO</b>	
60808371	<b>0 986 346 370</b>
6ZL 003 259-491	<b>0 986 346 370</b>
6ZL 008 780-011	<b>0 986 346 371</b>

O.E.	Bosch
<b>DAEWOO</b>	
90336039	<b>0 986 346 370</b>
96281689	<b>0 986 346 370</b>
96494264	<b>0 986 346 370</b>
96647339	<b>0 986 346 370</b>

O.E.	Bosch
<b>FIAT</b>	
7606596	<b>0 986 346 370</b>
7705830	<b>0 986 346 370</b>
7706596	<b>0 986 346 370</b>
7708168	<b>0 986 346 370</b>
55354325	<b>0 986 346 371</b>
7710823	<b>0 986 346 374</b>
7710824	<b>0 986 346 374</b>
504026706	<b>0 986 346 376</b>
98442879	<b>0 986 346 376</b>

O.E.	Bosch
<b>G.M.</b>	
90336039	<b>0 986 346 370</b>
90507539	<b>0 986 346 370</b>
90534902	<b>0 986 346 371</b>
93190643	<b>0 986 346 371</b>

O.E.	Bosch
24 461 314	<b>0 986 346 372</b>
97 375 663	<b>0 986 346 373</b>
90337836	<b>0 986 346 375</b>
24 461 315	<b>0 986 346 377</b>

O.E.	Bosch
<b>HOLDEN</b>	
90336039	<b>0 986 346 370</b>
90507539	<b>0 986 346 370</b>

O.E.	Bosch
<b>HYUNDAI</b>	
V40-73-0001	<b>0 986 346 370</b>
V40-73-0006	<b>0 986 346 371</b>
V V40-73-0014	<b>0 986 346 372</b>
V40-73-0005	<b>0 986 346 375</b>

O.E.	Bosch
<b>ISUZU</b>	
8-97375-663-0	<b>0 986 346 373</b>
8-90336-039-0	<b>0 986 346 375</b>
<b>IVECO</b>	
J5610900	<b>0 986 346 370</b>
98442879	<b>0 986 346 376</b>

O.E.	Bosch
<b>MAZDA</b>	
70541060	<b>0 986 346 370</b>
70541077	<b>0 986 346 371</b>

O.E.	Bosch
<b>OPEL</b>	
12 52 557	<b>0 986 346 370</b>
12 52 562	<b>0 986 346 370</b>
12 52 570	<b>0 986 346 370</b>
12 52 572	<b>0 986 346 370</b>
12 52 578	<b>0 986 346 370</b>
48 03 551	<b>0 986 346 370</b>
45 04 585	<b>0 986 346 370</b>
12 38 696	<b>0 986 346 371</b>
12 52 555	<b>0 986 346 371</b>
12 52 573	<b>0 986 346 371</b>
62 40 261	<b>0 986 346 372</b>
12 52 577	<b>0 986 346 373</b>
12 52 566	<b>0 986 346 375</b>
62 40 262	<b>0 986 346 377</b>

O.E.	Bosch
<b>SAAB</b>	
45 04 585	<b>0 986 346 370</b>
90 569 684	<b>0 986 346 370</b>
95 44 610	<b>0 986 346 370</b>
47 70 186	<b>0 986 346 376</b>

O.E.	Bosch
<b>VAUXHALL</b>	
93190643	<b>0 986 346 371</b>



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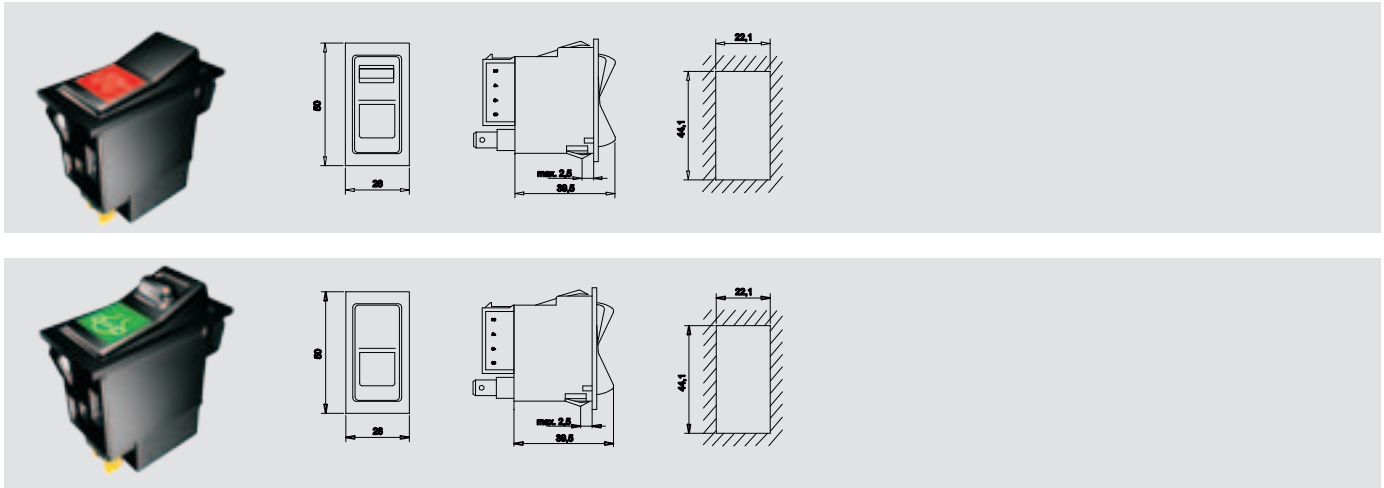
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# Flush-mounted and indicator switches

Product range „Classic design“ Type 1



## Symbol illumination options



### Version A

Applications: Non-illuminated switches or switches with direct illumination by lighting element.



### Version B


Applications: Illuminated switches (light shines through plastic diaphragm, diffuse light).





### Version C


Applications: Illuminated switches. When not switched on, the switch is only dimly lit (diffuse light: position of switch can be seen). It is more brightly lit when switched on (switch set to ON: bright light).

## Key to circuit diagram symbols

 **Switch (On/Off)**  
This switch can be set to different positions.

 **Rocker switch**  
This switch returns to its original position after being actuated.

 **Double locking**  
Status is retained until switch is actuated again.

 **Single locking**  
Switch engages.

 **Non-locking switch**  
Switch function in the form of a button.


 **Non-locking switch**  
Switch function in the form of a button on both sides.



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 000</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 001</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 002</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 003</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 004</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 005</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 007</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 008</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 009</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 010</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 011</b>
		C	12/24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 155</b>
		A	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 156</b>
		A	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 157</b>
		B	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 158</b>
		B	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 159</b>
		C	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 160</b>
		C	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 161</b>
		-	12/24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 148</b>
		A	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 149</b>
		A	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 150</b>
		B	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 151</b>
		B	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 152</b>
		C	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 153</b>
		C	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 154</b>
		-	12/24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 162</b>
		A	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 163</b>
		A	24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 164</b>
		B	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 165</b>
		B	24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 166</b>
		C	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 167</b>
		C	24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 168</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 012</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 013</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 014</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 015</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 016</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 017</b>
		C	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 018</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 126</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 127</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 128</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 129</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 130</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 019</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 020</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 021</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 022</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 023</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 024</b>
		C	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 025</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 109</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 110</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 111</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 112</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 113</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 114</b>
		C	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 115</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 182</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 183</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 184</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 185</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 186</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 182</b>



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	●	●	0986 348 169
		A	12	●	●	0986 348 170
		A	24	●	●	0986 348 171
		B	12	●	●	0986 348 172
		B	24	●	●	0986 348 173
		C	12	●	●	0986 348 174
		C	24	●	●	0986 348 175
		-	12/24	○	○	0986 348 033
		A	12	○	○	0986 348 034
		A	24	○	○	0986 348 035
		B	12	○	○	0986 348 036
		B	24	○	○	0986 348 037
		C	12	○	○	0986 348 038
		C	24	○	○	0986 348 039
		-	12/24	○	○	0986 348 040
		A	12	○	○	0986 348 041
		A	24	○	○	0986 348 042
		B	12	○	○	0986 348 043
		B	24	○	○	0986 348 044
		C	12	○	○	0986 348 235
		C	24	○	○	0986 348 236
		A	12	○	○	0986 348 237
		A	24	○	○	0986 348 238
		B	12	○	○	0986 348 239
		B	24	○	○	0986 348 240
		C	12	○	○	0986 348 241
		C	24	○	○	0986 348 242
		C	24	○	○	0986 348 243
		A	12	○	○	0986 348 244
		A	24	○	○	0986 348 245
		B	12	○	○	0986 348 246
		B	24	○	○	0986 348 247
		C	12	○	○	0986 348 026
		C	24	○	○	0986 348 027
		C	24	○	○	0986 348 028
		B	12	○	○	0986 348 029
		B	24	○	○	0986 348 030
		C	12	○	○	0986 348 031
		C	24	○	○	0986 348 032
		-	12/24	●	○	0986 348 187
		A	12	●	○	0986 348 188
		A	24	●	○	0986 348 189
		B	12	●	○	0986 348 190
		B	24	●	○	0986 348 191
		C	12	●	○	0986 348 192
		C	24	●	○	0986 348 193
		-	12/24	○	○	0986 348 099
		A	12	○	○	0986 348 100
		A	24	○	○	0986 348 101
		B	12	○	○	0986 348 102
		B	24	○	○	0986 348 103
		-	12/24	○	○	0986 348 087
		A	12	○	○	0986 348 088
		A	24	○	○	0986 348 089
		B	12	○	○	0986 348 090
		B	24	○	○	0986 348 091
		C	12	○	○	0986 348 092
		C	24	○	○	0986 348 093
		-	12/24	●	○	0986 348 228
		A	12	●	○	0986 348 229
		A	24	●	○	0986 348 230
		B	12	●	○	0986 348 231
		B	24	●	○	0986 348 232
		C	12	●	○	0986 348 233
		C	24	●	○	0986 348 234

**Anmerkung:** Mit Sprungfeder I-II für einstufige Scheibenwischer und Scheibenwaschanlage

**Note:**  
With elastic spring I-II



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	●	●	0986 348 131
		A	12	●	●	0986 348 132
		A	24	●	●	0986 348 133
		B	12	●	●	0986 348 134
		B	24	●	●	0986 348 135
		C	12	●	●	0986 348 136
		C	24	●	●	0986 348 137
		-	12/24	○	○	0986 348 211
		A	12	○	○	0986 348 212
		A	24	○	○	0986 348 213
		B	12	○	○	0986 348 214
		B	24	○	○	0986 348 215
		C	12	○	○	0986 348 216
		C	24	○	○	0986 348 217
		-	12/24	○	○	0986 348 138
		A	12	○	○	0986 348 139
		B	12	○	○	0986 348 141
		B	24	○	○	0986 348 142
		-	12/24	○	○	0986 348 065
		A	12	○	○	0986 348 066
		B	12	○	○	0986 348 068
		B	24	○	○	0986 348 069
		-	12/24	○	○	0986 348 248
		A	12	○	○	0986 348 249
		B	12	○	○	0986 348 251
		B	24	○	○	0986 348 252
		-	12/24	○	○	0986 348 143
		A	12	○	○	0986 348 144
		A	24	○	○	0986 348 145
		B	12	○	○	0986 348 146
		B	24	○	○	0986 348 147
		-	12/24	○	○	0986 348 050
		A	12	○	○	0986 348 051
		A	24	○	○	0986 348 052
		B	12	○	○	0986 348 053
		B	24	○	○	0986 348 054
		-	12/24	○	○	0986 348 060
		A	12	○	○	0986 348 061
		A	24	○	○	0986 348 062
		B	12	○	○	0986 348 063
		B	24	○	○	0986 348 064
		-	12/24	○	○	0986 348 055
		A	12	○	○	0986 348 056
		A	24	○	○	0986 348 057
		B	12	○	○	0986 348 058
		B	24	○	○	0986 348 059
		-	12/24	○	○	0986 348 070
		A	12	○	○	0986 348 071
		A	24	○	○	0986 348 072
		B	12	○	○	0986 348 073
		B	24	○	○	0986 348 074





Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 194
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 195
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 196
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 197
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 198
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 199
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 200
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 219
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 220
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 221
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 222
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 223
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 224
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 225
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 045
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 046
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 047
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 048
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 049
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 116
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 117
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 118
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 119
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 120
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 080
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 081
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 082
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 083
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 084
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 085
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 086
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 094
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 095
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 096
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 097
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 098
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 121
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 122
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 123
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 124
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 125
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 126
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 075
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 076
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 077
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 078
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 079
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 087
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 104
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 105
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 106
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 107
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 108
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 109
		X	24	<input type="radio"/>	<input type="radio"/>	0986 348 201
		X	24	<input type="radio"/>	<input type="radio"/>	0986 348 202
		X	24	<input type="radio"/>	<input type="radio"/>	0986 348 203
		X	24	<input type="radio"/>	<input type="radio"/>	0986 348 204

X = Switch for warning functions with function symbols for lighting and hazard warning system.



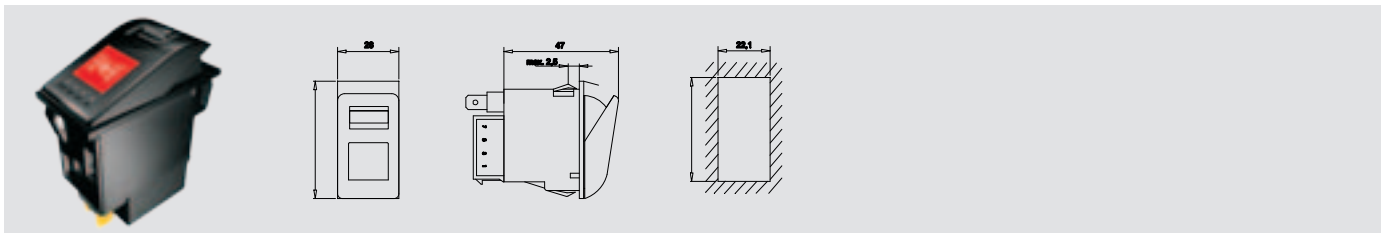
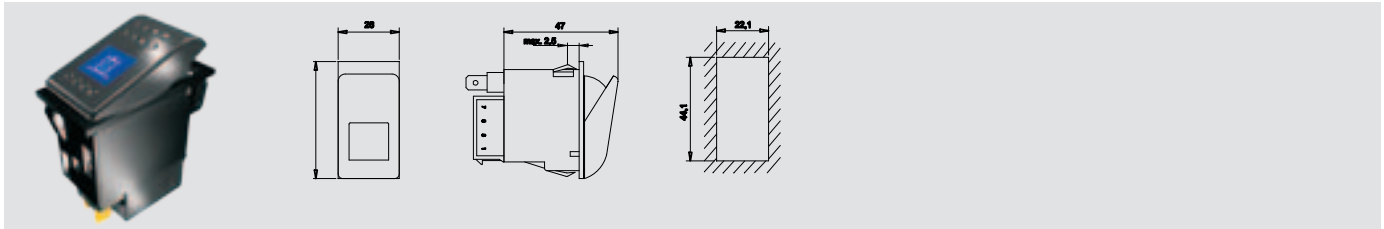


Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
 <b>Note:</b> 10A		X	24	●	○	0986 348 202
 <b>Note:</b> 10A		X	12	○	○	0986 348 202
 <b>Note:</b> 10A		X	12	○	○	0986 348 226
		X	24	○	○	0986 348 227
 <b>Note:</b> Contacts 6-8 and 6-2 = 10A Others = 5A		X	12	○	○	0986 348 176
		X	24	○	○	0986 348 177
 <b>Note:</b> Contacts 6-8 and 6-2 = 10A Others = 5A		X	12	○	○	0986 348 178
		X	24	○	○	0986 348 179
 <b>Note:</b> Contacts 6-8 and 6-2 = 10A Others = 5A		X	12	○	○	0986 348 180
		X	24	○	○	0986 348 181
 <b>Note:</b> Contacts 6-8 and 6-2 = 10A Others = 5A		X	24	●	○	0986 348 242

X = Switch for warning functions with function symbols for lighting and hazard warning system.

# Flush-mounted and indicator switches

Product range „Modern design“ Type 2



## Symbol illumination options



### Version A

Applications: Non-illuminated switches or switches with direct illumination by lighting element.



### Version B

Applications: Illuminated switches (light shines through plastic diaphragm, diffuse light).



### Version C

Applications: Illuminated switches.  
When not switched on, the switch is only dimly lit (diffuse light: position of switch can be seen).  
It is more brightly lit when switched on (switch set to ON: bright light).

## Key to circuit diagram symbols

**Switch (On/Off)**  
This switch can be set to different positions.

**Rocker switch**  
This switch returns to its original position after being actuated.

**Double locking**  
Status is retained until switch is actuated again.

**Single locking**  
Switch engages.

**Non-locking switch**  
Switch function in the form of a button.

**Non-locking switch**  
Switch function in the form of a button on both sides.

Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 300</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 301</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 302</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 303</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 304</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 305</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 307</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 308</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 309</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 310</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 311</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 312</b>
		-	12/24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 455</b>
		A	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 456</b>
		A	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 457</b>
		B	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 458</b>
		B	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 459</b>
		C	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 460</b>
		-	12/24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 461</b>
		A	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 448</b>
		A	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 449</b>
		B	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 450</b>
		B	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 451</b>
		C	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 452</b>
		-	12/24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 453</b>
		A	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 454</b>
		A	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 455</b>
		B	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 462</b>
		B	24	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 463</b>
		C	12	<input checked="" type="radio"/>	<input type="radio"/>	<b>0986 348 464</b>
		-	12/24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 465</b>
		A	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 466</b>
		A	24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 467</b>
		B	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 468</b>
		B	24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 469</b>
		C	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<b>0986 348 470</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 313</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 314</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 315</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 316</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 317</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 318</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 426</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 427</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 428</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 429</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 430</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 431</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 319</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 320</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 321</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 322</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 323</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 324</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 325</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 409</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 410</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 411</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 412</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 413</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 414</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 415</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 416</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 417</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 418</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 419</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 482</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 483</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 484</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 485</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 486</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 487</b>



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	●	○	0986 348 504
		A	12	●	○	0986 348 505
		A	24	●	○	0986 348 506
		B	12	●	○	0986 348 507
		B	24	●	○	0986 348 508
		C	12	●	○	0986 348 509
		-	12/24	●	●	0986 348 469
		A	12	●	●	0986 348 470
		A	24	●	●	0986 348 471
		B	12	●	●	0986 348 472
		B	24	●	●	0986 348 473
		C	12	●	●	0986 348 474
		-	12/24	○	○	0986 348 333
		A	12	○	○	0986 348 334
		A	24	○	○	0986 348 335
		B	12	○	○	0986 348 336
		B	24	○	○	0986 348 337
		C	12	○	○	0986 348 338
		-	12/24	○	○	0986 348 339
		A	12	○	○	0986 348 340
		A	24	○	○	0986 348 341
		B	12	○	○	0986 348 342
		B	24	○	○	0986 348 343
		B	24	○	○	0986 348 344
		-	12/24	○	○	0986 348 535
		A	12	○	○	0986 348 536
		A	24	○	○	0986 348 537
		B	12	○	○	0986 348 538
		B	24	○	○	0986 348 539
		C	12	○	○	0986 348 540
		-	12/24	○	○	0986 348 541
		A	12	○	○	0986 348 543
		A	24	○	○	0986 348 544
		A	24	○	○	0986 348 545
		B	12	○	○	0986 348 546
		B	24	○	○	0986 348 547
		-	12/24	○	○	0986 348 326
		A	12	○	○	0986 348 327
		A	24	○	○	0986 348 328
		B	12	○	○	0986 348 329
		B	24	○	○	0986 348 330
		C	12	○	○	0986 348 331
		-	12/24	○	○	0986 348 332
		A	12	○	○	0986 348 327
		A	24	○	○	0986 348 328
		B	12	○	○	0986 348 329
		B	24	○	○	0986 348 330
		C	12	○	○	0986 348 331
		-	12/24	●	○	0986 348 487
		A	12	●	○	0986 348 488
		A	24	●	○	0986 348 489
		B	12	●	○	0986 348 490
		B	24	●	○	0986 348 491
		C	12	●	○	0986 348 492
		-	12/24	●	○	0986 348 493
		A	12	○	○	0986 348 399
		A	24	○	○	0986 348 400
		B	12	○	○	0986 348 401
		B	24	○	○	0986 348 402
		B	24	○	○	0986 348 403
		-	12/24	○	○	0986 348 387
		A	12	○	○	0986 348 388
		A	24	○	○	0986 348 389
		B	12	○	○	0986 348 390
		B	24	○	○	0986 348 391
		C	12	○	○	0986 348 392
		-	12/24	○	○	0986 348 387
		C	24	○	○	0986 348 393

Note: With elastic spring I-II for single-speed wipers and washer system



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	●	○	<b>0986 348 528</b>
		A	12	●	○	<b>0986 348 529</b>
		A	24	●	○	<b>0986 348 530</b>
		B	12	●	○	<b>0986 348 531</b>
		B	24	●	○	<b>0986 348 532</b>
		C	12	●	○	<b>0986 348 533</b>
		C	24	●	○	<b>0986 348 534</b>
<b>Note: With elastic spring I-II</b>						
		-	12/24	○	○	<b>0986 348 431</b>
		A	12	○	○	<b>0986 348 432</b>
		A	24	○	○	<b>0986 348 433</b>
		B	12	○	○	<b>0986 348 434</b>
		B	24	○	○	<b>0986 348 435</b>
		C	12	○	○	<b>0986 348 436</b>
		C	24	○	○	<b>0986 348 437</b>
		-	12/24	○	○	<b>0986 348 511</b>
		A	12	○	○	<b>0986 348 512</b>
		A	24	○	○	<b>0986 348 513</b>
		B	12	○	○	<b>0986 348 514</b>
		B	24	○	○	<b>0986 348 515</b>
		C	12	○	○	<b>0986 348 516</b>
		C	24	○	○	<b>0986 348 517</b>
		-	12/24	○	○	<b>0986 348 438</b>
		A	12	○	○	<b>0986 348 439</b>
		A	24	○	○	<b>0986 348 440</b>
		B	12	○	○	<b>0986 348 441</b>
		-	12/24	○	○	<b>0986 348 442</b>
		B	24	○	○	<b>0986 348 442</b>
		A	12	○	○	<b>0986 348 365</b>
		A	24	○	○	<b>0986 348 366</b>
		B	12	○	○	<b>0986 348 367</b>
		B	12	○	○	<b>0986 348 368</b>
		B	24	○	○	<b>0986 348 369</b>
		-	12/24	○	○	<b>0986 348 548</b>
		A	12	○	○	<b>0986 348 549</b>
		A	24	○	○	<b>0986 348 550</b>
		B	12	○	○	<b>0986 348 551</b>
		B	24	○	○	<b>0986 348 552</b>
<b>Note: Lock 0-II</b>						
		-	12/24	○	○	<b>0986 348 443</b>
		A	12	○	○	<b>0986 348 444</b>
		A	24	○	○	<b>0986 348 445</b>
		B	12	○	○	<b>0986 348 446</b>
		B	24	○	○	<b>0986 348 447</b>
		-	12/24	○	○	<b>0986 348 350</b>
		A	12	○	○	<b>0986 348 351</b>
		A	24	○	○	<b>0986 348 352</b>
		B	12	○	○	<b>0986 348 353</b>
		B	24	○	○	<b>0986 348 354</b>
		-	12/24	○	○	<b>0986 348 360</b>
		A	12	○	○	<b>0986 348 361</b>
		A	24	○	○	<b>0986 348 362</b>
		B	12	○	○	<b>0986 348 363</b>
		B	24	○	○	<b>0986 348 364</b>
		-	12/24	○	○	<b>0986 348 355</b>
		A	12	○	○	<b>0986 348 356</b>
		A	24	○	○	<b>0986 348 357</b>
		B	12	○	○	<b>0986 348 358</b>
		B	24	○	○	<b>0986 348 359</b>
		-	12/24	○	○	<b>0986 348 370</b>
		A	12	○	○	<b>0986 348 371</b>
		A	24	○	○	<b>0986 348 372</b>
		B	12	○	○	<b>0986 348 373</b>
		B	24	○	○	<b>0986 348 374</b>



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 494</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 495</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 496</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 497</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 498</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 499</b>
		C	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 500</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 519</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 520</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 521</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 522</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 523</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 524</b>
		C	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 525</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 345</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 346</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 347</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 348</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 349</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 416</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 417</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 418</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 419</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 420</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 380</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 381</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 382</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 383</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 384</b>
		C	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 385</b>
		C	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 386</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 394</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 395</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 396</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 397</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 398</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 421</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 422</b>
A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 423</b>		
B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 424</b>		
B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 425</b>		
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 375</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 376</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 377</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 378</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 379</b>
		-	12/24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 404</b>
		A	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 405</b>
		A	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 406</b>
		B	12	<input type="radio"/>	<input type="radio"/>	<b>0986 348 407</b>
		B	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 408</b>
		▲	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 501</b>
		▲	24	<input type="radio"/>	<input type="radio"/>	<b>0986 348 503</b>





Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
 <b>Note:</b> 10A		▲	24	●	○	<b>0986 348 502</b>
 <b>Note:</b> 10A		▲	12	○	○	<b>0986 348 518</b>
 <b>Note:</b> 10A		▲	12	○	○	<b>0986 348 526</b>
		▲	24	○	○	<b>0986 348 527</b>
 <b>Note:</b> Contacts 6-8 and 6-2 = 10A Others = 5A		▲	12	○	○	<b>0986 348 476</b>
		▲	24	○	○	<b>0986 348 477</b>
 <b>Note:</b> Contacts 6-8 and 6-2 = 10A Others = 5A		▲	12	○	○	<b>0986 348 478</b>
		▲	24	○	○	<b>0986 348 479</b>
 <b>Note:</b> Contacts 6-8 and 6-2 = 10A Others = 5A		▲	12	○	○	<b>0986 348 480</b>
		▲	24	○	○	<b>0986 348 481</b>
 <b>Note:</b> Contacts 6-8 and 6-2 = 10A Others = 5A		▲	24	●	○	<b>0986 348 542</b>










▲ = Switch (Version A) with flasher function

## Overview of function symbols

Symbol	Description	Part number
	Green	<b>0 986 348 711</b>
	Red	<b>0 986 348 707</b>
	Orange	<b>0 986 348 705</b>
	Wipers	<b>0 986 348 708</b>
	Wipers / washer system	<b>0 986 348 706</b>
	Dipped beam	<b>0 986 348 710</b>

Symbol	Description	Part number
	Main beam	<b>0 986 348 703</b>
	Floodlamp	<b>0 986 348 700</b>
	Hazard warning system	<b>0 986 348 704</b>
	Turbo blower	<b>0 986 348 709</b>
	Adjustment of blower speed	<b>0 986 348 701</b>
	Cylinder setting	<b>0 986 348 702</b>

## Accessories

Symbol	Description	Part number
	Mounting frame	<b>0 986 348 618</b>
	Mounting frame	<b>0 986 348 617</b>
	Mounting frame	<b>0 986 348 616</b>
	Mounting frame	<b>0 986 348 615</b>
	Mounting frame	<b>0 986 348 600</b>
	Screen	<b>0 986 348 621</b>
	Socket	12 V incl. 1 bulb <b>0 986 348 601</b>
		24 V incl. 1 bulb <b>0 986 348 602</b>
		12 V incl. 2 bulbs <b>0 986 348 603</b>
		24 V incl. 2 bulbs <b>0 986 348 604</b>
	Socket	12 V incl. 1 bulb <b>0 986 348 608</b>
		24 V incl. 1 bulb <b>0 986 348 610</b>
		12 V incl. 2 bulbs <b>0 986 348 609</b>
		24 V incl. 2 bulbs <b>0 986 348 611</b>
	Plug-in lamp	12 V <b>0 986 348 624</b>
		24 V <b>0 986 348 623</b>

Symbol	Description	Part number
	Plug-in lamp	12 V <b>0 986 348 619</b>
		24 V <b>0 986 348 620</b>
	Plug-in lamp (LED)	12 V <b>0 986 348 606</b>
		24 V <b>0 986 348 607</b>
	Socket	<b>0 986 348 622</b>
	Socket	<b>0 986 348 605</b>

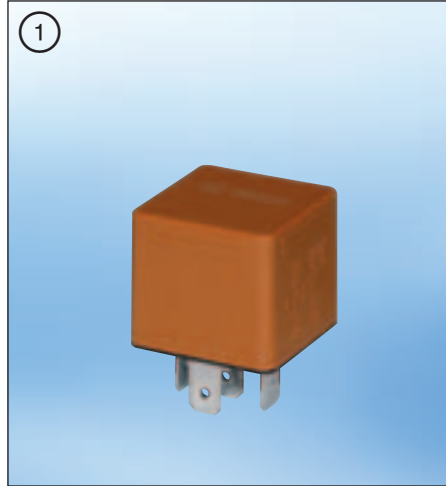


# Mini-relays

Good for 250,000 switching cycles

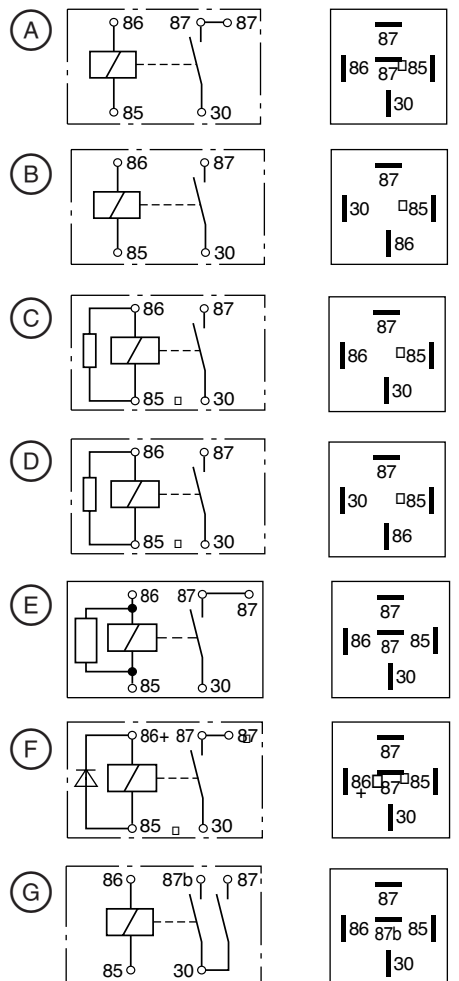
## NO-contact relays

12 V / 24 V



Version	Rated voltage Rated current (terminal 87)	Mounting bracket	Fig.	Part number
Basic version	12 V 30 A	with	3 A	<b>0 332 014 125</b> <sup>1)</sup>
			2 A	<b>0 332 019 150</b>
	24 V 20 A	with	2 A	<b>0 332 019 801</b> □
		without	1 A	<b>0 332 019 151</b>
Basic version	12 V 40 A	with	2 B	<b>0 332 019 157</b>
		without	1 B	<b>0 332 019 166</b>
	12 V	without	1 B	<b>0 332 019 166</b>
		24 V	without	1 B
Terminals 30 and 86 interchanged.	12 V 30 A	without	1 B	<b>0 332 019 451</b>
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 30 A	without	1 C	<b>0 332 019 103</b>
	12 V 30 A	with	2 C	<b>0 332 019 110</b>
12 V 30 A	T-bar	1 C	<b>0 332 019 456</b>	
	without	1 C	<b>0 332 019 457</b>	
	12 V 40 A	without	1 C	<b>0 986 332 003</b>
	detend	1 C	<b>0 986 332 040</b>	
	without	1 C	<b>0 986 332 071</b>	
	T-bar	1 C	<b>0 986 332 072</b>	
12 V 50 A	without	1 C	<b>0 986 332 023</b>	
	12 V 60 A	without	1 C	<b>0 986 332 030</b>
	12 V 70 A	without	1 C	<b>0 986 332 002</b>
	T-bar	1 C	<b>0 986 332 050</b>	
Shunt resistor for suppressing inductive interference-voltage peaks.	12 V 20 A	with	2 D	<b>0 332 019 453</b>
	12 V 30 A	without	1 D	<b>0 332 019 451</b>
Decay diode for suppressing inductive interference- voltage peaks.	12 V 30 A	without	1 E	<b>0 332 014 112</b>
	24 V 30 A	without	1 E	<b>0 332 019 204</b>
Decay diode for suppressing inductive interference- voltage peaks.	12 V 30 A	with	2 F	<b>0 332 019 155</b>
		without	1 F	<b>0 332 019 109</b>
Basic version	24 V 20 A	without	1 F	<b>0 332 014 213</b>
No contacts with two makes	12 V, 2 x 15 A	with	3 G	<b>0 332 015 001</b> <sup>1)</sup>
		without	1 G	<b>0 332 015 006</b> <sup>1)</sup>
	24 V, 2 x 10 A	with	3 G	<b>0 332 015 002</b> <sup>1)</sup>
		without	1 G	<b>0 332 015 008</b> <sup>1)</sup>

□ Self-service pack  
<sup>1)</sup> With metal housing



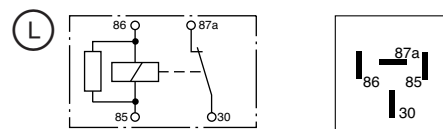
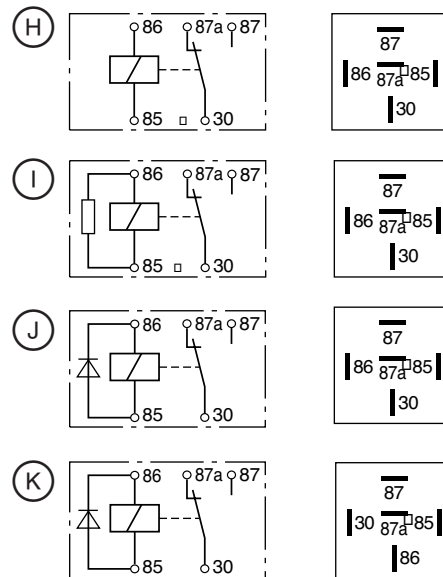
**Change-over contact relays** (can also be used as NC contacts) **6 V / 12 V / 24 V**

Version	Rated voltage Rated current (terminal 87)	Mounting bracket	Fig.	Part number	
Basic version	6 V 20 A/30 A	with	3 H	<b>0 332 204 001</b>	
	12 V 30 A	with	3 H	<b>0 332 204 125</b>	
	12 V 30 A Kl. 30 CU vers., Kl. 87, 87a CU, Kl. 85, 86 Brass	without	1 H	<b>0 332 209 156</b>	
	12 V 40 A/60 A	without	1 H	<b>0 986 332 022</b>	
	12 V 30 A/20 A		with	2 H	<b>0 332 209 150</b>
			without	1 H	<b>0 332 209 135</b>
			1 H	<b>0 332 209 137</b>	
			1 H	<b>0 332 209 138</b>	
	1 H		1 H	<b>0 332 209 151</b>	
			3 H	<b>0 332 204 203</b>	
			2 H	<b>0 332 209 203</b>	
	24 V 20 A	with	3 H	<b>0 332 204 203</b>	
	24 V 20 A Kl. CUZn	without	1 H	<b>0 332 209 201</b>	
	24 V 20 A/10 A		with	2 H	<b>0 332 209 203</b>
			without	1 H	<b>0 332 209 211</b>
lamp load only, max. 100 W	without	1 H	<b>0 332 204 212 <sup>1)</sup></b>		
24 V 20 A Silver-plated		without	1 H	<b>0 332 204 202</b>	
		1 H	<b>0 332 209 202</b>		
		with	3 H	<b>0 332 204 210</b>	
		3 I	<b>0 332 204 402</b>		
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 30 A Kl. 30 / 86 Interchanged	with	3 I	<b>0 332 204 402</b>	
	12 V 30 A/20 A	without	1 I	<b>0 332 209 159</b>	
	12 V 40 A/40 A	detend	1 I	<b>0 986 332 041</b>	
	12 V 40 A/60 A	T-bar	1 I	<b>0 986 332 053</b>	
			1 I	<b>0 986 332 073</b>	
24 V 20 A	with	3 I	<b>0 332 204 207</b>		
	T-bar	1 I	<b>0 332 209 216</b>		
24 V 20 A/10 A	with	2 I	<b>0 332 209 207</b>		
	without	1 I	<b>0 332 209 206</b>		
Decay diode for suppressing inductive interference- voltage peaks.	12 V 30 A/20 A	with	2 K	<b>0 332 209 158</b>	
		without	1 K	<b>0 332 209 152</b>	
Blade terminal silver-plated.	12 V 30 A	without	1 J	<b>0 332 209 167</b>	
	24 V 20 A/10 A	without	1 J	<b>0 332 204 204 <sup>1)</sup></b>	
		1 J	<b>0 332 209 204</b>		

<sup>1)</sup> With metal housing

**NC Contacts**

Version	Rated voltage Rated current (terminal 87/87a)	Mounting bracket	Fig.	Part number
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 10 A	without	1 L	<b>0 332 109 011</b>



## Accessories

For mini-relays, time-lag relays, turn-signal flashers, pulse generators, and vehicular hazard-warning-signal flashers

**Note:**

Please refer to relay catalog 1 987 721 076.



### 1 Socket housing (5-pole) with mounting bracket

For relays and sensors without mounting bracket. For single and multiple mounting.

Design: Glass-fiber-reinforced polyamide. The blade receptacles engage with their locking lance and are locked firmly in position. The plug-in bases are provided with groove and tongue and can therefore be assembled in rows; it is necessary only to secure 2 bases (hole diameter 5.3 mm, distance from base to base mount 30.5 mm).

**3 334 485 008** <sup>2)</sup>

<sup>2)</sup> Qty. in pack: 5

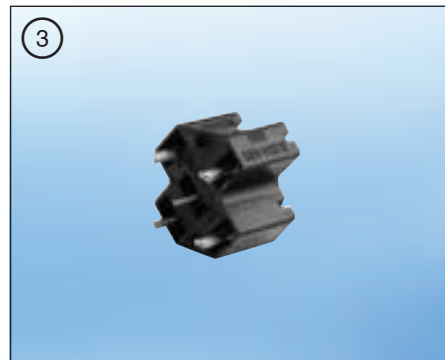


### 2 Socket housing (5-pole) without mounting bracket

For relays and hazard-warning flasher units with mounting bracket.

Design: glass-fiber-reinforced polyamide. The blade receptacles engage with their locking lance and are locked firmly in position.

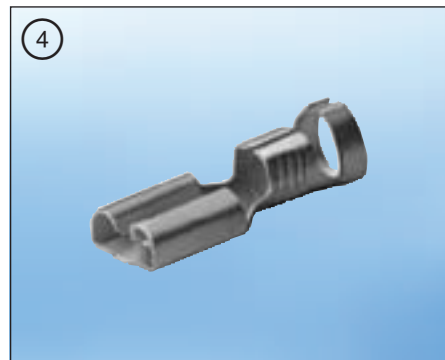
**3 334 485 007** <sup>2)</sup>



### 3 Plug housing

as ... 007, but for soldering onto printed circuit board.

**3 334 485 041**



### 4 Blade receptacles with locking lance

For socket housing.

Terminal size: 6.3 x 0.8 mm, as per DIN 46340/3.

Qty. in pack: 25

For conductor cross-section 1,5–2,5 mm<sup>2</sup>

**1 901 355 975**

**Note**

Relays not only reduce the loading imposed on control switches, but also reduce the voltage drops in the wiring. Furthermore, interlock circuits are a simple matter with relays.

In case of cramped installation conditions, mini-relays can provide the solution.

In the case of pre-tested wiring harnesses, multiple connectors facilitate simple assembly and lower failure rates.

The following mini-relay versions are available:

- Mini-relay without mounting bracket. Easily inserted in buttable screw-fastening plug-in base.
- Mini-relay with mounting bracket. Electrical connection through 5-pole socket.

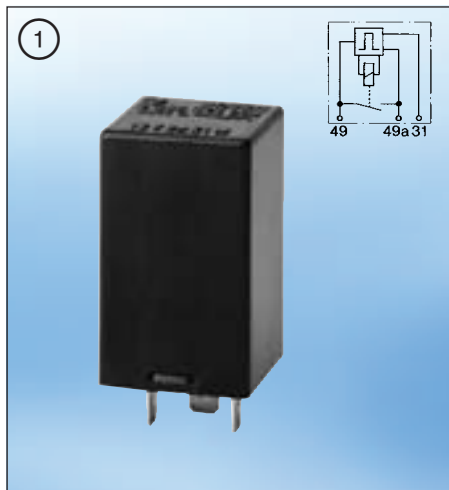
**Blade-terminal connection**

Blade-terminal size: 6.3 x 0.8 mm to ISO 7588

**Degree of protection:**

When using multiple connectors: Housing IP 34 to IEC 60529, contact with tools etc. thickness  $\varnothing > 2.5$  mm. Splashwater from all directions (terminals pointing downwards).

## Pulse generators



**1 Pulse generators, electronically controlled** **12 V/24 V**

For intermittent switching of devices or lamps, e.g. to improve the warning effect of indicator lamps.

Circuitry: load-independent, starts with on phase.

Load: according to service life in hours, max. 50 W for 100 h, 100 W for 36 h.

Frequency 90 ±15 pulses/min.

Fastening: on plug-in base (accessory).

Connection: blade terminals.

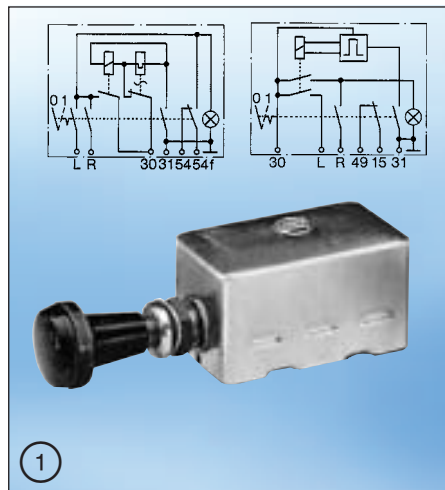
12 V	<b>0 335 322 001</b>
24 V	<b>0 335 323 001</b>

Load: max. 8 x 21 W for 100 h.

12 V	<b>0 335 322 003</b>
24 V	<b>0 335 323 003</b>

## Hazard-warning-signal flashers

For vehicles with or without trailer



**1 Hazard-warning-signal flasher** **6 V/12 V/24 V**

**For single and dual-circuit turn-signal systems.**

Design: electronic flasher. Push-pull switch with indicator lamp in knob, without cable set.

Fastening: with round nut, installation hole Ø 10.5 mm, wall thickness up to 7 mm.

Connection: blade terminals.

6 V, max. 6x 21 W	<b>0 336 851 003</b>
12 V, max. 8x 21 W	<b>0 336 851 004</b>
24 V, max. 8x 21 W	<b>0 336 900 000 <sup>1)</sup></b>

Switch shaft sealed for tractors

12 V, max. 8x 21 W	<b>0 336 851 008</b>
--------------------	----------------------

With universal cable set

12 V, max. 8x 21 W	<b>0 336 851 901</b>
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### Spare parts

Safety knob

for 24 V version	<b>3 337 030 085</b>
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### Bulb (shape J)

12 V 2 W	<b>1 987 302 224</b>
24 V 3 W	<b>1 987 302 519</b>

### Universal cable set (not shown)

<b>1 354 463 007</b>
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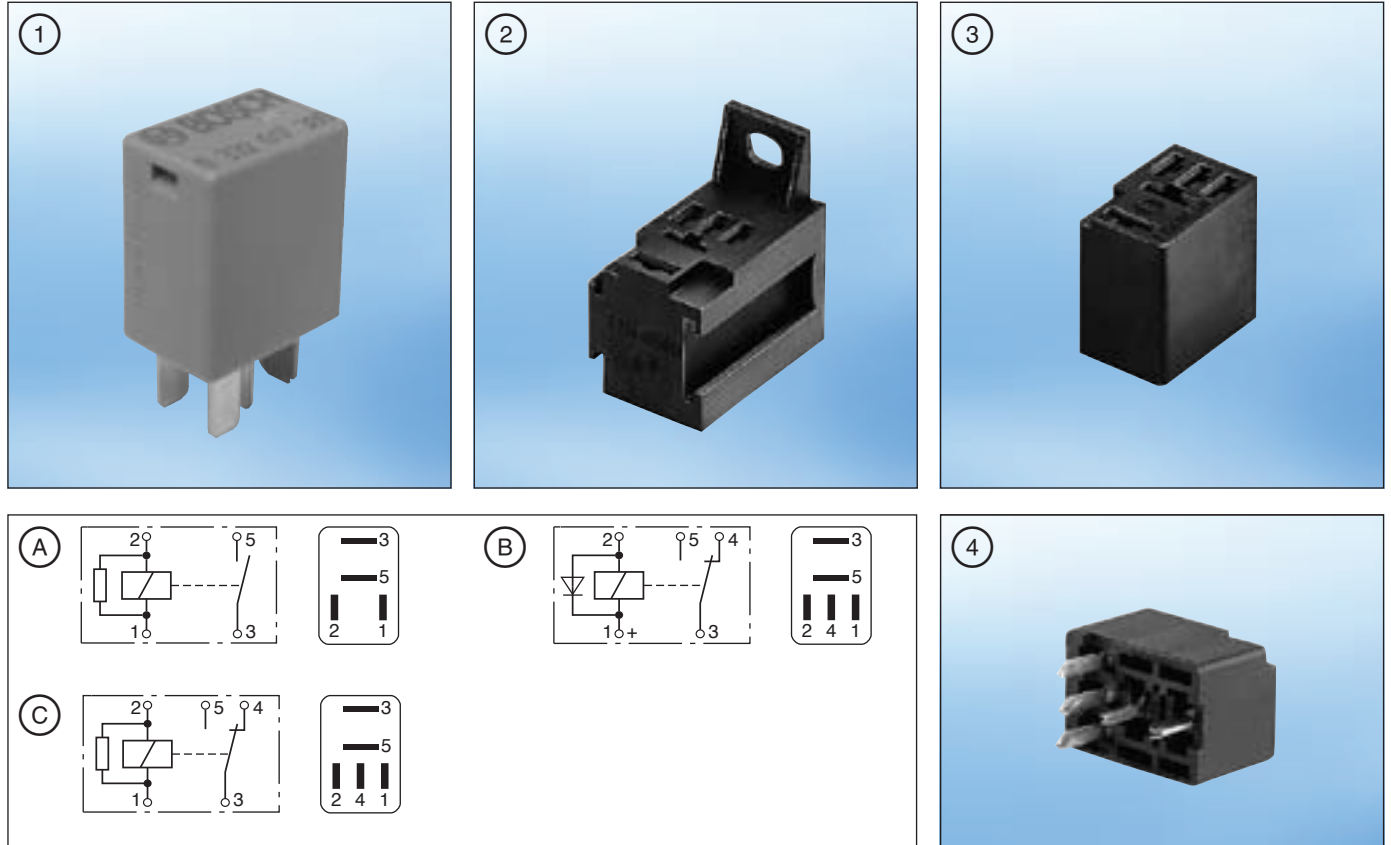
<sup>1)</sup> for single-circuit turn-signal systems only.



# Micro-relays

Compact, and high making and/or breaking capacity

**Note:**  
Please refer to relay  
catalog 1 987 721 076.



Many loads can be switched with micro relays with a lower power than the customary 30 A mini-relays. The micro relays which can be loaded with a rated current of up to 20 A are compact and have a low power loss.

**Terminal designation cross-reference**

Micro-relay	Mini-relay	Recommended polarity
1	86	+
2	30	+
3	87a	
4	87	

**Blade terminal sizes**

Connections 1, 2, 4	4.8 x 0.8 mm
Connections 3, 5	6.3 x 0.8 mm

Rated voltage V	Rated switching current A	Mounting bracket	Fastening hole mm	Circuit diagram/ pin assignment	Fig.	Part number
<b>NO-contact relays</b>						
12	20	without	-	A	1	<b>0 332 017 300</b>

**Change-over contact relays** (can also be used as NC-contact relays)

12	30/10	without	-	C	1	<b>0 332 201 107</b>
	20/10	without	-	B	1	<b>0 332 207 304</b>
	10/5	without	-	B	1	<b>0 332 207 402</b>
24	10/5	without	-	C	2	<b>0 332 207 405</b>

**Accessories** (order separately)

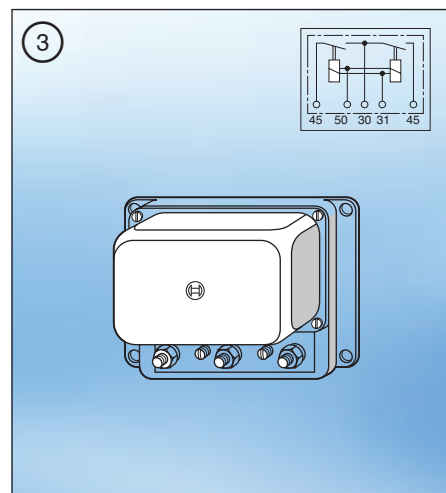
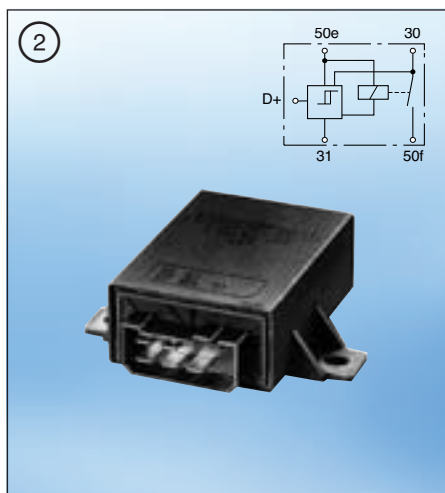
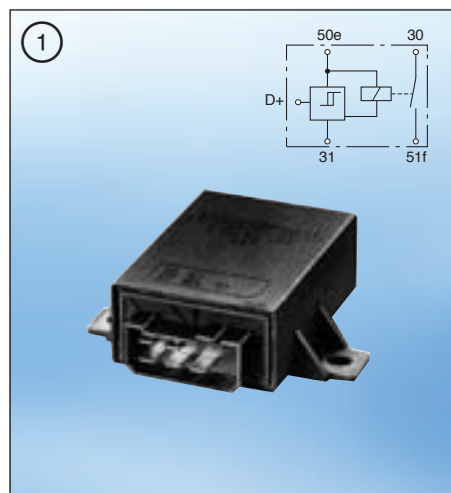
**Socket housing**

Version	Fastening hole mm	Fig.	Part number
Mounting bracket with hole	Ø 5.3	3	<b>3 334 485 045</b>
without mounting bracket	-	4	<b>3 334 485 046</b>
for soldering onto printed circuit board	-	5	<b>3 334 485 049<sup>1)</sup></b>

<sup>1)</sup> Note: When soldering, insert relays into the socket housing; the receptacles will then be adjusted to the correct position.

# Relays for starters

For commercial vehicles, buses and assemblies of equipment.  
Preferred for engines where starting cannot be heard.



**1 Start-locking relay**  
Protects the starter, the pinion and the flywheel ring gear against overload.  
Start-locking function:  
– Switches off the starter when the engine starts to run on its own.  
– Prevents actuation of the starter when the engine is running.  
– Prevents actuation of the starter after the start command has been interrupted, until the starter and engine have stopped.  
Fitting: vertical on a vibration-free wall, protected against water and dirt.

**2 Start-locking/start-repeating relay**  
Start-locking function:  
– Switches off the starter when the engine starts to run on its own.  
– Prevents actuation of the starter when the engine is running.  
– Prevents actuation of the starter after the start command has been interrupted, until the starter and engine have stopped.  
Start-repeating function:  
– Automatic repetition of the engagement process in the event of problems with starting, until the starter pinion engages.  
Fitting: vertical on a vibration-free wall, protected against water and dirt.

**5 Twin starting relays Application**  
Primary-current switch for parallel operation of two sliding-gear starter motors. Following pinion engagement on both starters, the twin starting relay switches on both primary current windings instantaneously.

Rated voltage	Type of current	Switching	Connection	Fastening	Dimensions	fig.	Part number
Rated current				mm	L x w x H mm		

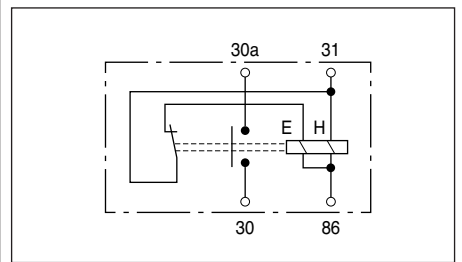
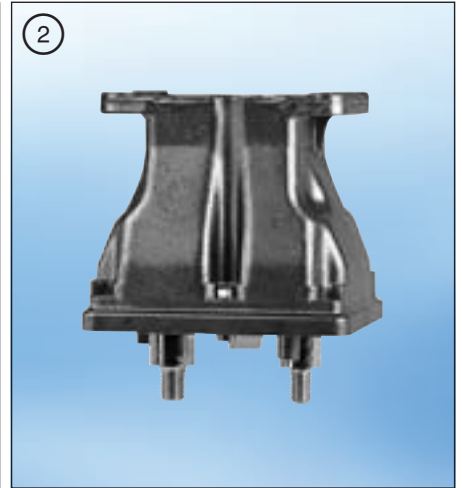
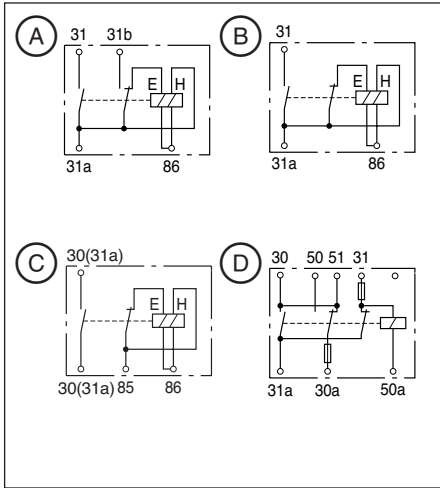
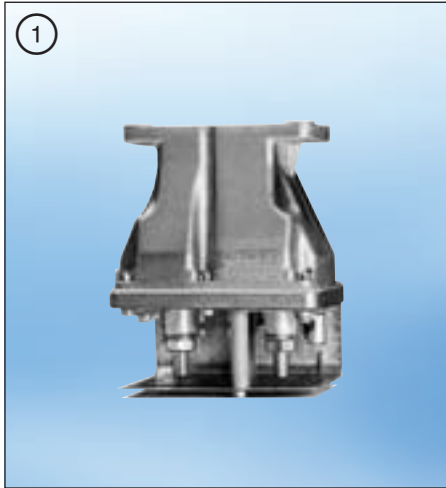
Start-locking relay							
24 V	AC	electronical	blade terminals	2x hole Ø 6.4	100 x 95 x 35	3 B	0 331 801 300

Start-locking/Start-repeating relay							
24 V*	AC	electronical	blade terminals	2x hole Ø 6.4	100 x 95 x 35	3 C	0 331 802 100

\* Terminal 50f – max. 15 amps.

Dual starting relay							
24 V	DC	V	screws M8	4x hole Ø 8.4	232 x 180 x 45	5 E	0 333 500 001

# Battery relays



## 1 Cutoff and switching relay, battery changeover relay

Design: open construction. With protective cover.  
 Fitting: the terminals must point downwards.  
 Fastening: 4 holes Ø 8.4 mm.  
 Connection: screw terminals.  
 Dimensions: 124 x 110 x 160 mm.

## 2 Cut-off and switching relay 24 V

Open construction: Without protective cover.

Fitting: Terminals must point downwards  
 Fastening: 4 holes, Ø 8.4 mm.  
 Connection: Screw terminals.  
 Dimensions: 114 x 78 x 141 mm.  
 Operating temperature range: -30...+100°C.

Data for excitation side  
 Max. operating voltage: 30 V  
 Response voltage: ≤ 16 V  
 Dropout voltage: ≥ 0.5 V  
 Max. make current (at rated voltage) ≤ 4.5 A  
 Max. holding voltage (at rated voltage) ≤ 0.4 V  
 Data for contacts side  
 Permissible contact loading on terminal 30/30a.  
 Current: ≤ 2,500 A  
 Current-flow time: ≤ 1 s  
 Repeat time: ≥ 60 s  
 Continuous current: 200 A  
 Voltage drop: ≤ 10 mV  
 Test current: 10 A

**0 333 301 015**

Rated voltage V	Fig.	Switching poles	Circuit diagramm	Switching current		Part number
				continuous duty <sup>1)</sup> A	short-time duty A	

### Cutoff and switching relay for disconnecting battery voltage (ground cable)

12	①	2	A	60/200	2500 <sup>2)</sup>	<b>0 333 301 007</b>
24	①	1	B	200	2500 <sup>2)</sup>	<b>0 333 301 009</b>
			C	300	3500 <sup>2)</sup>	<b>0 333 301 010</b>

<sup>1)</sup> max. 2 min, <sup>2)</sup> max. 1 s

### Change-over relay for series and parallel connection of two 12 V batteries in 12 V systems with 24 V starter. For short-time duty.

12		2	D	75	1500 <sup>3)</sup>	<b>0 333 300 003</b>
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<sup>3)</sup> max. 5 s

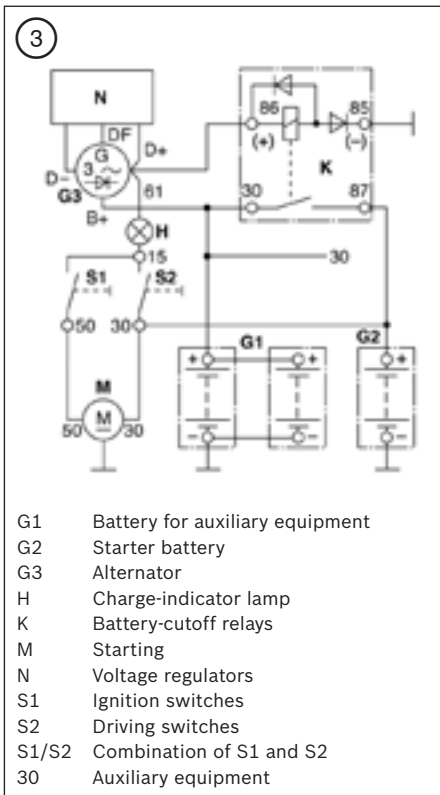
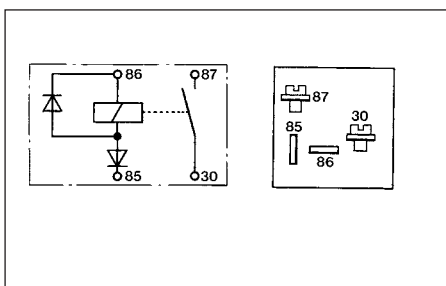
#### Cable dimensions

1A voltage drop in the control line (ignition switch terminal 86 of cutoff relay) must not exceed 0.5 V. The cable cross-section must be matched to the cable length.

Cable length up to	Cable cross-section
3.2 m	1.5 mm <sup>2</sup>
5.3 m	2.5 mm <sup>2</sup>
8.5 m	4 mm <sup>2</sup>
13.0 m	6 mm <sup>2</sup>

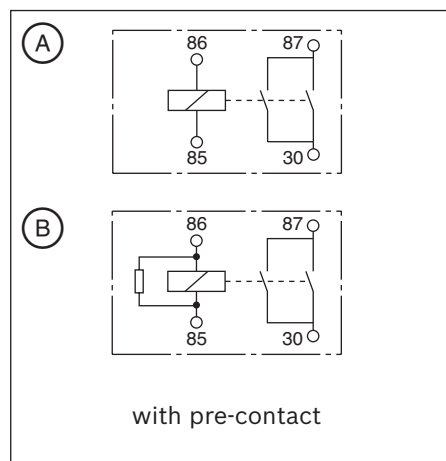
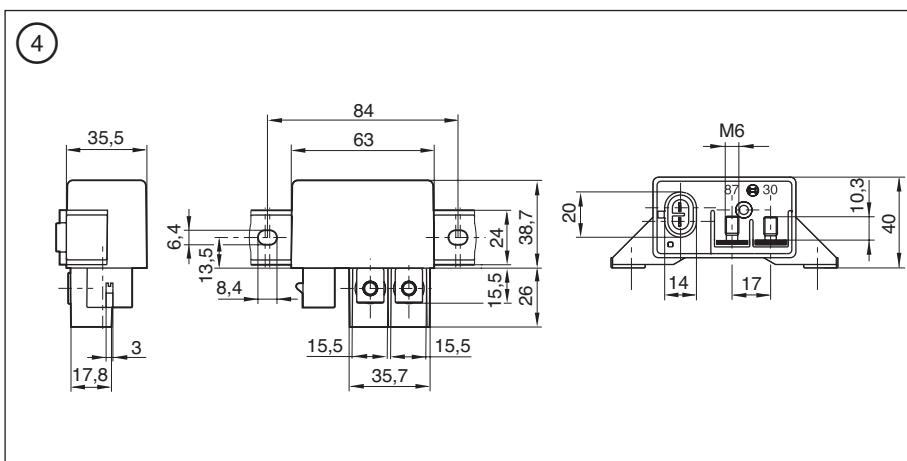
#### Note:

Battery relays should be installed as close to the batteries as possible, in order to keep the connection cables short.

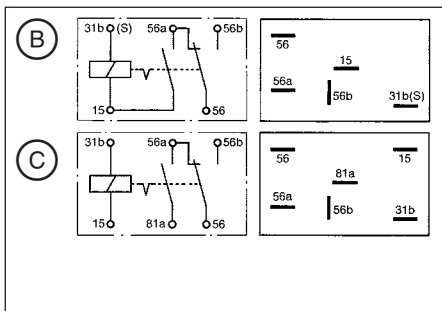
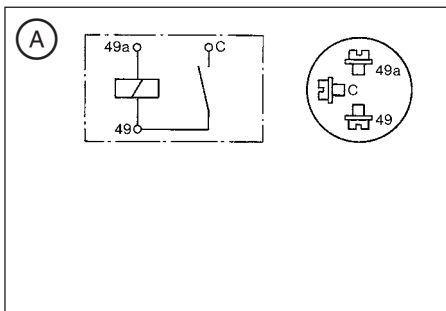


**4** **Normally open relay**

Nominal voltage (switching and excitation circuit)	12 V
Permissible operating voltage	8–16 V
Permissible ambient temperature	-40...+100°C
Voltage drop at test current when new	< 100 mV/100 A
Voltage drop after specified no. of operations	< 200 mV/100 A
Degree of protection of housing / Terminals	IP 67
Response voltage	< 8 V
Release voltage	1,5–4 V
Overall resistance	46 ± 5
Circuit diagram	(A)
	<b>0 332 002 351</b>
As ...002 351, but overall resistance 42 ± 5, terminal diagram B	(B)
	<b>0 332 002 352</b>



# Relays for headlamps and auxiliary lamps



**1** **Current relay** **12 V/24 V**  
**for rotating beacon**

For switching rotating beacons on police, fire service, road maintenance vehicles, etc.  
 Fastening: hole diameter 6.4 mm.  
 Connection: blade terminals, screw terminals.

<b>Ⓐ Normally open relay</b>	
12 V 70 W	<b>0 332 400 002</b>
24 V 70 W	<b>0 332 400 003</b>

**2** **Step-by-step relay** **up to 24 V**  
**(stepping relay)**

For switching high/low beam, headlamp flasher and other loads.  
 Operation: switching relay with changeover contact (for high and low beams). Switching is carried out by a short current pulse. The NO contact (for headlamp flasher) closes only as long as the relay is energized.  
 Design: galvanized housing.  
 Connection: blade terminals 6.3 x 0.8 mm, pointing downwards.  
 Dimensions: 58 x 45 mm, height 72 mm, with mounting bracket, height 52 mm with clip.

**Ⓢ NO contact/changeover contact**  
 Fastening: mounting bracket, hole diameter 6.8 mm, center of hole to lower edge of relay 52 mm, without terminal 81a.

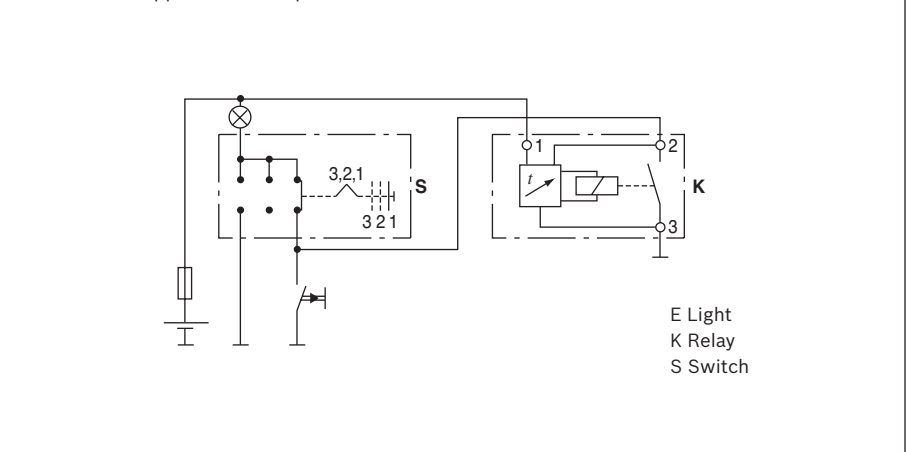
12 V 150 W	<b>0 332 515 009</b>
24 V 150 W	<b>0 332 515 012</b>

**Ⓢ with terminal 81a, monostable; terminal 56, bistable.**

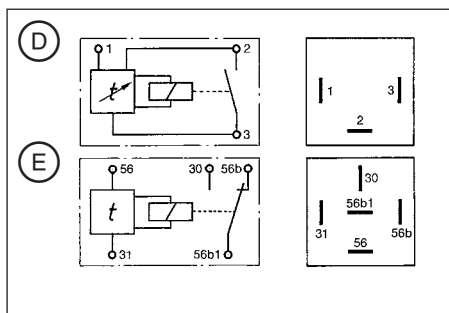
12 V 150 W	<b>0 332 515 022</b>
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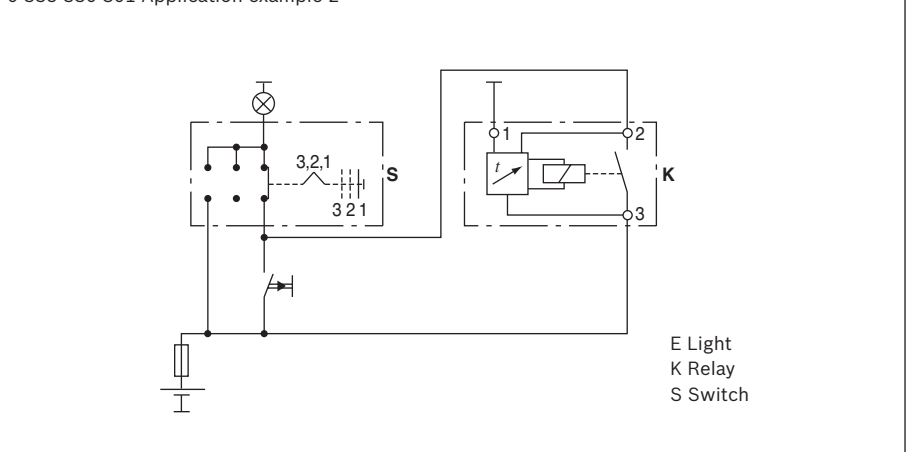
0 335 330 801 Application example 1



E Light  
K Relay  
S Switch



0 335 330 801 Application example 2



E Light  
K Relay  
S Switch

**3 Easytronic time-lag relay (electronic time-lag relay) 12 V**

Delayed switch-off of a load, e.g. interior lamp after getting into the vehicle or the low beam to illuminate the surroundings after leaving the vehicle.

Design: black polyamide housing, fiberglass reinforced.  
Connection: blade terminals 6.3 x 0.8 mm. Terminals point downwards.  
Dimensions: 30 x 30 mm, height 60 mm.

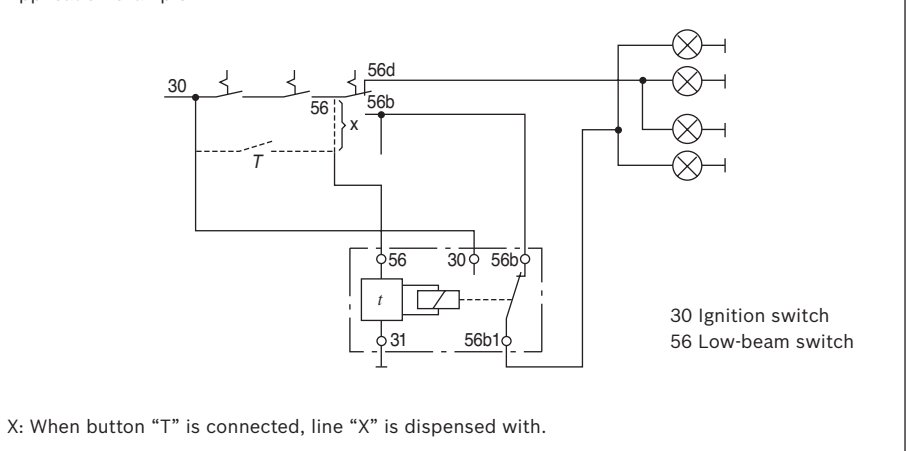
**ⓔ For interior lamp**  
12 V 50 W max. switching capacity, switch-off delay adjustable 3–30 s.  
NO contact **0 335 330 801<sup>1)</sup>**

**ⓔ For low beam**  
12 V 150 W max. switching capacity, switch-off delay fixed 90 s.  
Change-over contact **0 335 330 802<sup>2)</sup>**

Installation instructions with possible circuits are enclosed.

- 1) 1 Relay, 1 universal holder, 3 blade receptacles.
- 2) 1 Relay, 1 universal holder, 5 blade receptacles.

Application example



30 Ignition switch  
56 Low-beam switch

X: When button "T" is connected, line "X" is dispensed with.



# Power relays

For switching starters, automatic preheating systems, motors.  
Equipment of forklift trucks and for controlling hydraulic units.

Rated voltage V	Fig.	Circuit diagram	Switching poles	Switching current		Switch function (main relay)			Connection		Dimensions L/W/H mm	Part number
				S1 <sup>1)</sup> A	S2 <sup>2)</sup> A	NC	NO	Change-over	Screw	Blade		
<b>Power relay (some with preliminary contact, therefore less contact burn-off).</b>												
<b>Closed construction (polyamide housing); fastening 2 x Ø 5.3 mm.</b>												
12	1	A	–	75	400		•		•	•	75 x 35 x 55	0 332 002 150 <sup>3)</sup>
	1	A	–	75	400		•		•	•	75 x 35 x 55	0 332 002 160 <sup>3)</sup> <sup>5)</sup>
	1	A	–	75	400		•		•	•	75 x 35 x 55	0 332 002 155
24	7	B	–	50	120		•			•	43,5 x 34,5 x 32,5	0 986 332 080
	1	A	–	50	200		•		•	•	75 x 35 x 55	0 332 002 250 <sup>3)</sup>
	1	A	–	50	200		•		•	•	75 x 35 x 55	0 332 002 255
<b>Power relay with parallel resistor (to suppress inductive interference-voltage peaks).</b>												
<b>Closed construction (polyamide housing); fastening 2 x Ø 5.3 mm.</b>												
24	1	B	–	50	200		•		•	•	75 x 35 x 55	0 332 002 257
<b>Power relay, closed construction (metal housing); fastening 2 x Ø 5.3 mm.</b>												
12	2	D	1	80	800		•		•	•	110 x 55 x 60	0 333 006 004
	3	D	1	150	1000		•		•	•	104 x 56 x 57	0 333 009 004
	3	D	1	150	1000		•		•	•	110 x 55 x 60	0 333 009 010 <sup>6)</sup>
24	2	D	1	80	800		•		•	•	110 x 55 x 60	0 333 006 006 <sup>6)</sup>
	2	F	1	100	500	•			•	•	110 x 55 x 60	0 333 006 008
	4	C	2	100	500	•	•		•	•	95 x 50 x 52	0 333 006 017 <sup>6)</sup>
	4	E	2	100	800	•	•		•	•	105 x 50 x 55	0 333 006 010 <sup>6)</sup>
	3	D	1	150	1000		•		•	•	104 x 56 x 57	0 333 009 002
	3	D	1	150	1000		•		•	•	104 x 56 x 57	0 333 009 005
	3	D	1	150	1000		•		•	•	104 x 56 x 57	0 333 009 009 <sup>6)</sup>
	3	D	1	150	1000		•		•	•	106 x 56 x 57	0 333 009 011
<b>Power relay, closed construction (metal housing); fastening 2 x Ø 5.3 mm.</b>												
24	5	I	2	250 (3 Min.)			• Single contact		•	•	87 x 62 x 102	0 333 007 002
	5	G	2	150	1000		• Twin contact		•	•	98 x 57 x 89	0 333 007 004 <sup>4)</sup>
	6	H	1	230	1500			•	•	•	135 x 70 x 128	0 333 201 010
80	6	D	1	230	1500		•		•	•	135 x 70 x 100	0 333 200 013

## Degrees of protection according to IEC 60529

Designation	Protection against contact	Protection against foreign bodies	Protection against water
IP 00	no protection	no protection	no protection
IP 30	with tools etc. Thickness Ø > 2.5 mm	Ø > 2,5 mm	no protection
IP 33	with tools etc. Thickness Ø > 2.5 mm	Ø > 2,5 mm	Spraywater, at angles up 60° from the perpendicular
IP 53	complete	dust-protected	Spraywater, at angles up 60° from the perpendicular
IP 54	complete	dust-protected	Splashwater from all directions
IP 6K9K	complete	dust proof	High pressure/steam jet cleaning

<sup>1)</sup> S1 – Continuous duty

<sup>2)</sup> S2 – Short-time duty (1 s)

<sup>3)</sup> With preliminary contact

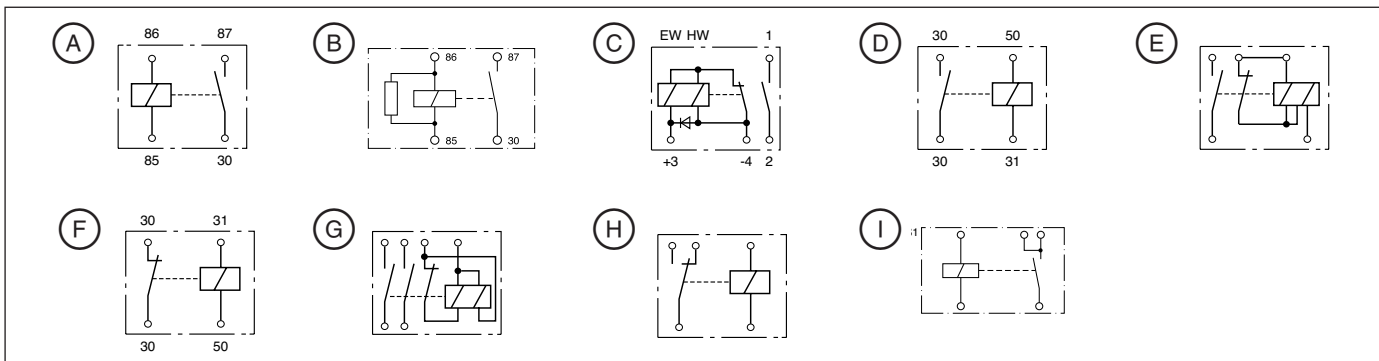
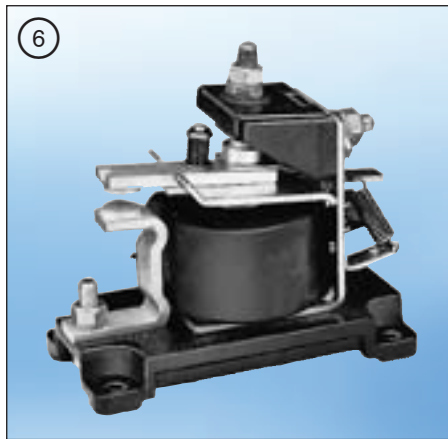
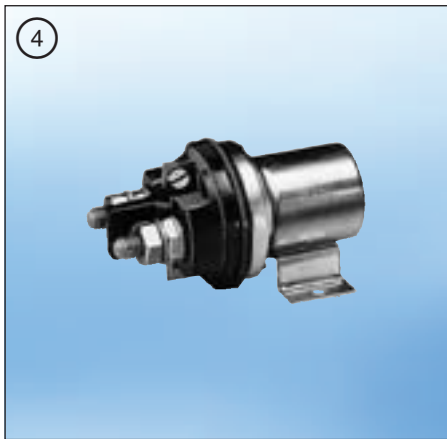
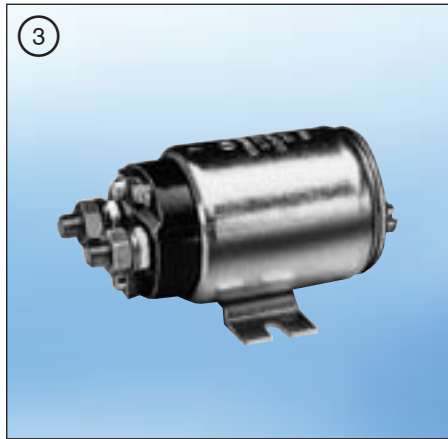
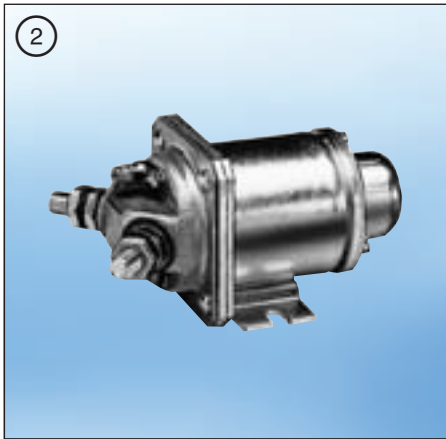
<sup>4)</sup> Fitting position: long edge of baseplate vertical, max. inclination 10°

<sup>5)</sup> Switch-on duration 25%, referred to 5 min., i.e. relay may be in operation for 1.25 mins max. A pause of 3.75 minutes must be maintained afterwards.

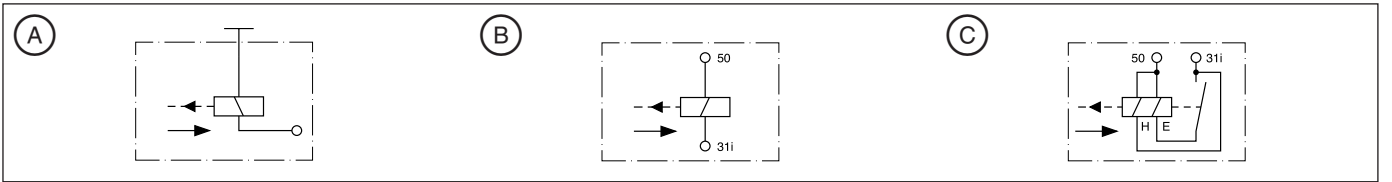
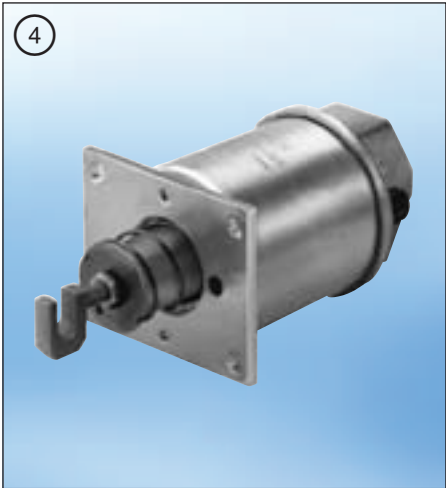
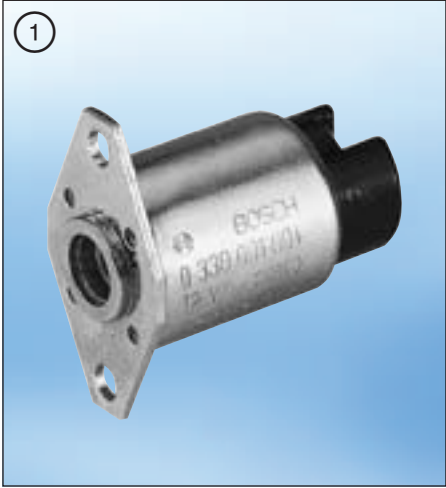
<sup>6)</sup> Degree of protection

Relay	Housing	Terminals
0 333 006 006	IP 54	IP 00
0 333 006 010	IP 54	IP 00
0 333 006 015	IP 33	IP 00
0 333 006 017	IP 53	IP 00
0 333 009 003	IP 54	IP 00
0 333 009 009	IP 54	IP 00
0 333 009 010	IP 54	IP 00
0 333 009 008	IP 30	IP 00
0 333 009 017	IP 6K9K	IP 00

The connection terminals must not be exposed to water and dirt.  
Power relays must be mounted with the terminals at the bottom.



# Pulling electromagnets 12 V/24 V

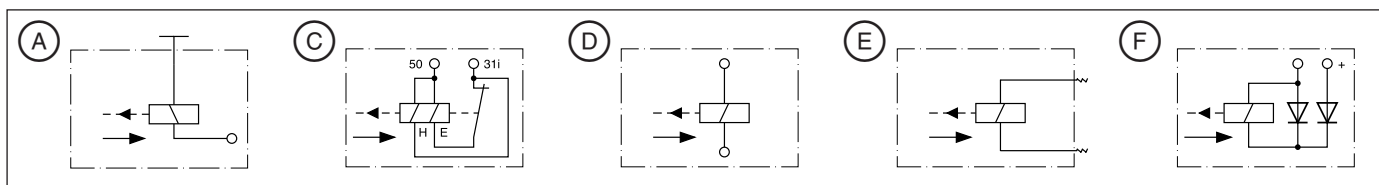
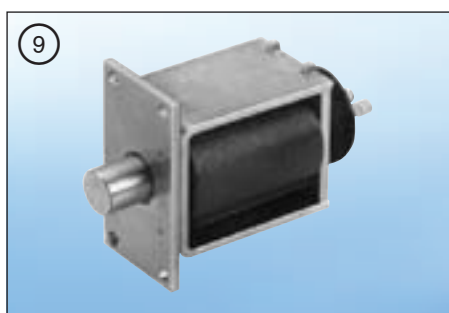
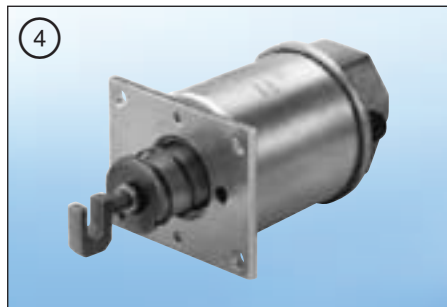
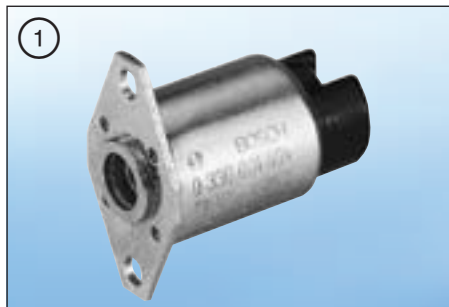


Nominal voltage	Working stroke	Nominal wattage <sup>1)</sup>	Operating mode <sup>2)</sup>	Forces Working stroke <sup>3)</sup>	Forces With armature pulled in <sup>3)</sup>	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
12	4	69	Short-time duty	≤ 14	≤ 70	4±1	0.11	1	A	<b>0 330 001 004</b>
12	1.3	14	Contin. duty	13	15	2.3±0.5	0.103	2	A	<b>0 330 001 020</b>
12	1.3	≤ 21	Contin. duty	≥ 8	≥ 11	2.3±0.5	0.074	3	A	<b>0 330 001 040</b>
12	15.3	277	Short-time duty	≤ 95	≤ 200	4.5±0.5	1.11	4	B	<b>0 330 003 002</b>
12	15.3	960/12.5 <sup>4)</sup>	Contin. duty	≤ 110	≤ 270		1.1	5	C	<b>0 330 003 007</b>

<sup>1)</sup> With armature pulled in.

<sup>2)</sup> Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

<sup>3)</sup> At nominal voltage and winding temperature 23±5°C.



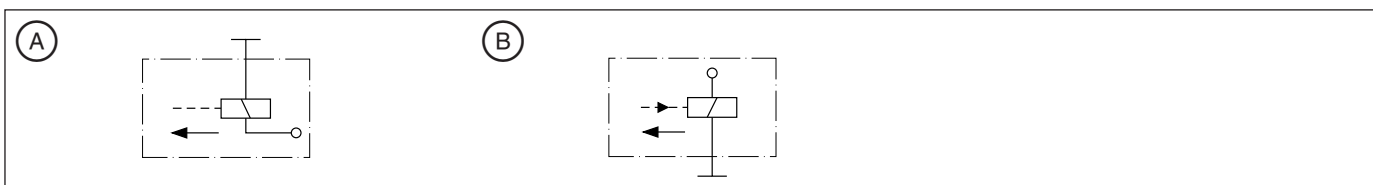
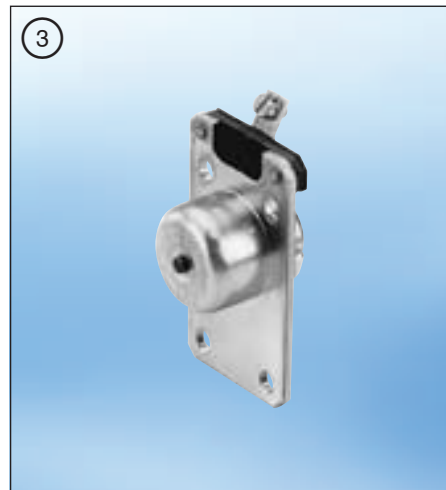
Nominal voltage	Working stroke	Nominal wattage <sup>1)</sup>	Operating mode <sup>2)</sup>	Forces Working stroke <sup>3)</sup>	Forces With armature pulled in <sup>3)</sup>	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
24	4	75	Short-time duty	≤14	≤70	4±1	0.11	1	D	<b>0 330 001 003</b>
24	1.3	14	Contin. duty	13	15	2.3±0.5	0.103	2	A	<b>0 330 001 021</b>
24	1.3	≤21	Contin. duty	≤8	≤11	2.3±0.5	0.076	6	A	<b>0 330 001 047</b>
24	1.3	≤21	Contin. duty	≤8	≤11	2.2	0.094	7	E	<b>0 330 001 048</b>
24	15.3	274	Short-time duty	≤95	≤250	4.5±0.5	1.11	4	D	<b>0 330 003 001</b>
24	15.3	695/18 <sup>4)</sup>	Contin. duty	≤55	≤350	5±1	1.18	4	C	<b>0 330 003 003</b>
24	6	50	Short-time duty	≤24	≤80	4±1	0.44	8	D	<b>0 330 004 005</b>
24	1.8	14	Contin. duty	≤16	≤V24	7.8±1	0.32	9	F	<b>0 330 005 002</b>

<sup>1)</sup> With armature pulled in.

<sup>2)</sup> Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

<sup>3)</sup> At nominal voltage and winding temperature 23±5 °C.

## Pushing electromagnets 12 V/24 V

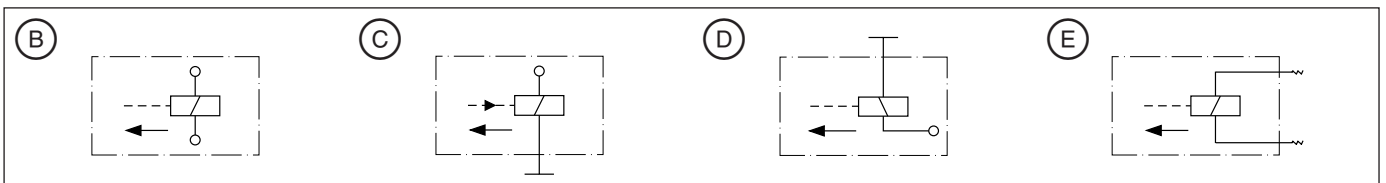
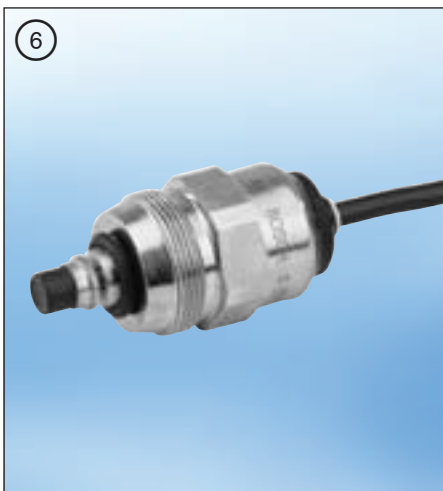
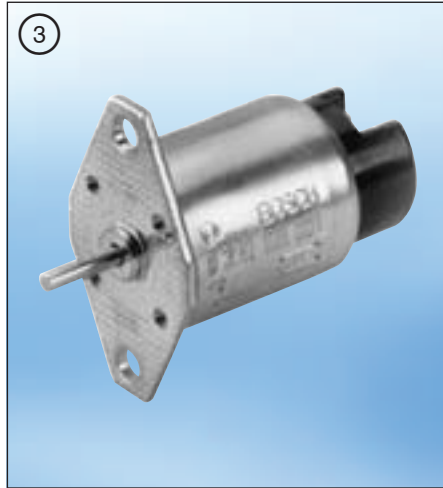


Nominal voltage	Working stroke	Nominal wattage <sup>1)</sup>	Operating mode <sup>2)</sup>	Forces Working stroke <sup>3)</sup>	Forces With armature pulled in <sup>3)</sup>	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
12	7	137	Short-time duty	≤ 50	≤ 120		0.4	1	A	<b>0 330 101 012</b>
12	3	42.5	Short-time duty	≤ 12	≤ 60	0.9±0.2	0.14	2	B	<b>0 330 106 001</b>
12	2.6	42.5	Short-time duty	≤ 20	≤ 30		0.19	3	A	<b>0 330 106 006</b>
12	1	32	Short-time duty	≤ 12	≤ 12		0.088	4	A	<b>0 330 106 010</b>

<sup>1)</sup> With armature pulled in.

<sup>2)</sup> Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

<sup>3)</sup> At nominal voltage and winding temperature 23±5°C.



Nominal voltage	Working stroke	Nominal wattage <sup>1)</sup>	Operating mode <sup>2)</sup>	Forces Working stroke <sup>3)</sup>	Forces With armature pulled in <sup>3)</sup>	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
24	4.8	26.7	Short-time duty	≤32	≤100		0.6	2	B	<b>0 330 101 021</b>
24	7	152	Short-time duty	≤50	≤120		0.4	2	B	<b>0 330 101 026</b>
24	3	48	Short-time duty	≤12	≤60	0.9±0.2	0.14	3	C	<b>0 330 106 003</b>
24	1	26	Short-time duty	≤11	≤11		0.088	5	D	<b>0 330 106 012</b>
24	1	26	Short-time duty	≤11	≤11		0.094	6	E	<b>0 330 106 017</b>

<sup>1)</sup> With armature pulled in.

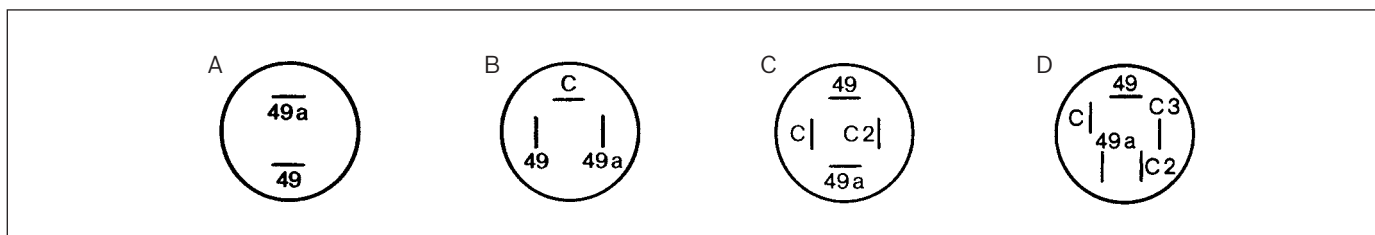
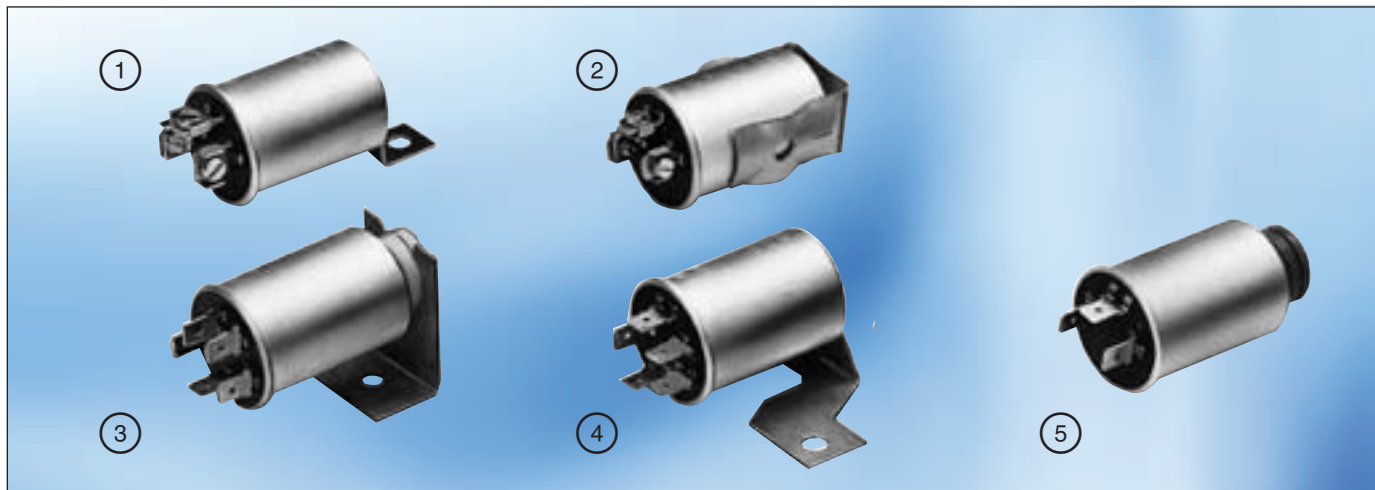
<sup>2)</sup> Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

<sup>3)</sup> At nominal voltage and winding temperature 23±5°C.



# Hot-wire flashers

Turn-signal flashing only



Load	Fastening	Connection	Fig.	Part number	Vehicle makes
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## For passenger cars and motorcycles 6 V

### For vehicles without trailer hitch

1 x 15 W or 18 W	Bracket at top, 1 hole Ø 6.4 mm	Screw	1 A	<b>0 336 101 004</b>	-
2 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/ Blade	2 B	<b>0 336 203 006</b>	Henschel (-67), KHD (-71), Mercedes-Benz (-67)
2 x 21 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Blade	5 B	<b>0 336 206 003</b>	Hercules, Kreidler, Zündapp

## For passenger cars and motorcycles 12 V

### For vehicles without trailer hitch

2 x 21 W	Slide-on clip with hole Ø 6.4 mm	Blade	2 B	<b>0 336 206 004</b>	-
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Load	Fastening	Connection	Fig.	Part number	Vehicle makes
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### For commercial vehicles 12 V

#### For vehicles without trailer hitch

1 x 15 W or 18 W	Bracket at top, 1 hole Ø 6.4 mm	Screw	1 A	<b>0 336 101 005</b>	Volvo BM
2 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/ blade	2 B	<b>0 336 203 005</b>	Epple-Buxbaumwerke, Irion, Steyr, Wartburg

#### For vehicles with trailer hitch

2+ 1 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/ blade	2 C	<b>0 336 200 049</b>	Gutbrod, Hanomag-Henschel, KHD, MAN, Mercedes-Benz, Steyr, Volvo
2+ 1 x 21 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Blade	3 C	<b>0 336 207 006</b>	Henschel, Mercedes-Benz, Steyr
1+1+ 1 x 18 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Screw	3 C	<b>0 336 200 033</b>	Hako, Schilter AG, Volvo BM
2+1+ 1 x 18 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Blade	3 D	<b>0 336 202 001</b>	Deutz-Fahr, IH, John Deere, KHD, Lanz
2+1+ 1 x 21 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Blade	3 D	<b>0 336 208 001</b>	Agria, Agrifull, FIAT, Huerlimann, IH, John Deere, Lamborghini, Same

### For commercial vehicles 24 V

#### For vehicles without trailer hitch

2 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/ blade	2 B	<b>0 336 203 007</b>	FIAT, UNIC
3 x 18 W	Bracket at top, 1 hole Ø 6.4 mm	Blade	1 B	<b>0 336 200 047</b>	FIAT, UNIC

#### For vehicles with trailer hitch

2+ 1 x 18 W	Slide-on clip with hole Ø 6.4 mm		2 C	<b>0 336 200 051</b>	FIAT, UNIC
2+ 1 x 21 W	Bracket at top, 1 hole Ø 6.4 mm	Blade	1 C	<b>0 336 207 003</b>	Mercedes-Benz (Portugal)
3+ 1 x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	Blade	4 C	<b>0 336 207 011</b>	Mercedes-Benz

#### Identification (Example)

##### of turn-signal-flasher load

**2 + 1 + 1(8) x 21 W + 0-4 W**

<b>2</b>	Number of turn-signal lamps per vehicle side on tractor vehicle
<b>1</b>	on first trailer
<b>1</b>	on second trailer
<b>(8)</b>	Total number of turn-signal lamps for hazard warning flashing (in brackets)
<b>21 W</b>	Power in watt per turn-signal lamp
<b>0-4 W</b>	Power in watt for indicator lamp or additional low power side turn-signal lamp if connected in parallel with main turn-signal lamps.

#### Turn-signal flasher

Thermally controlled electromagnetic flasher for turn-signal flashing only. The flasher is load-dependent; if the specified load is not observed, the flashing frequency changes.

#### Hazard-warning-signal flasher with switch

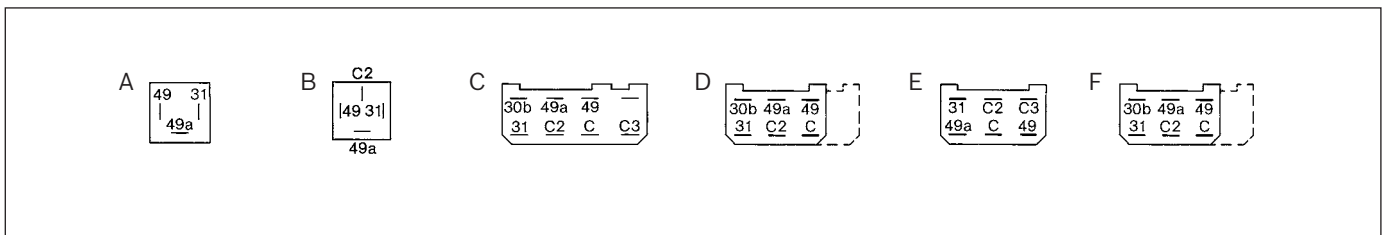
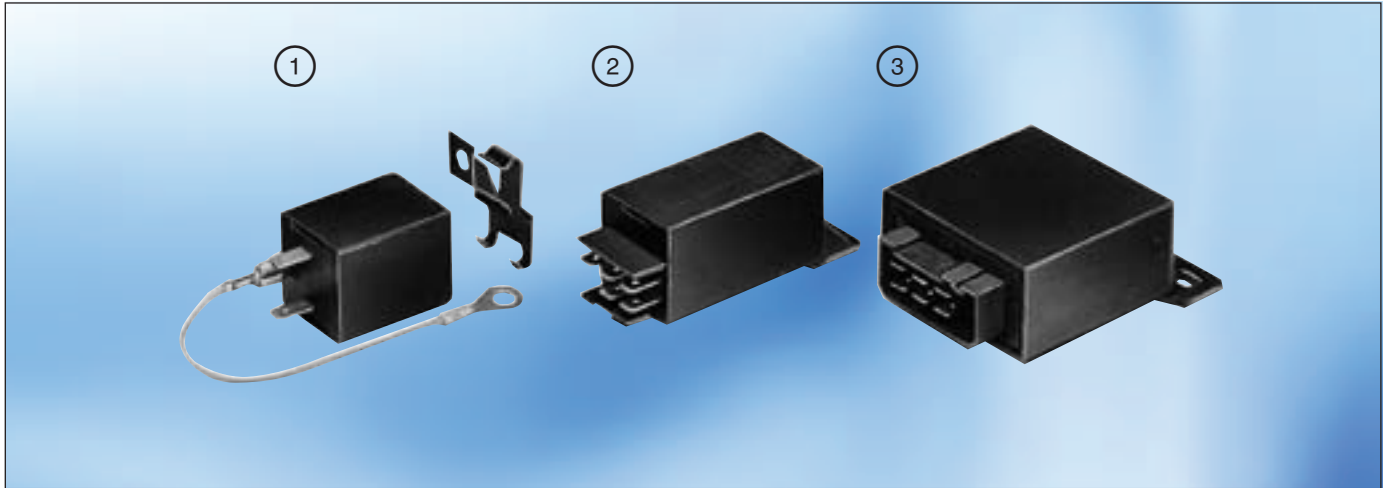
Thermally controlled electromagnetic flasher, only for hazard-warning flashing in single-circuit systems (circuit with turn signals at front and rear) or dual-circuit systems. (Circuit with turn-signal lamps at front and stop lamps at rear used for flashing).

#### Hazard-warning and turn-signal flasher

Electronic pulse generators for turn-signal and hazard-warning flashing, starting with on phase, with indicator lamp.

# Electronic hazard-warning and turn-signal flashers

## Turn-signal and hazard-warning flashing



Load	Fastening	Fig.	Part number	Vehicle makes <sup>1)</sup>
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### For commercial vehicles 12 V

#### For vehicles without trailer hitch

2 (4)x 21 W+ 0-4 W	Haltekralle mit Loch-Ø 6,4 mm	1 A	<b>0 335 200 038</b> <sup>2)</sup>	Ford, Mercedes-Benz, Volvo, VW
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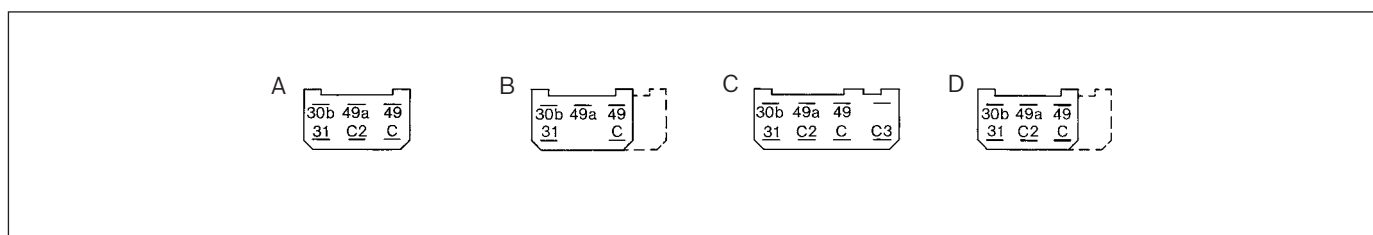
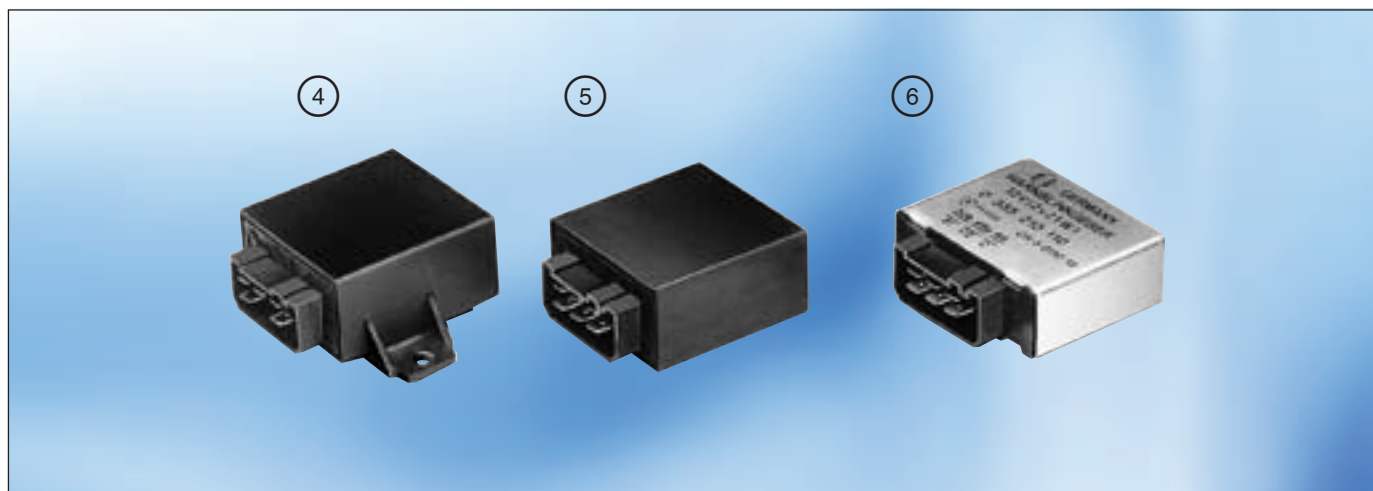
#### For vehicles with trailer hitch

2+ 1(6)x 21 W	Mounting claw with hole Ø 6.4 mm	1 B	<b>0 335 200 041</b> <sup>2)</sup>	Ford, Mercedes-Benz, Volvo, VW
	Bracket on both sides, 2 holes Ø 6.4 mm	4 F	<b>0 335 210 143</b> <b>0 335 210 148</b> <sup>3)</sup>	IVECO, Magirus-Deutz, Mercedes-Benz, Volvo, DAF Mercedes-Benz
3+ 1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 D	<b>0 335 210 153</b>	-
2+1+ 1(8)x 18 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 C	<b>0 335 210 063</b>	-
2+1+ 1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 F	<b>0 335 210 164</b> <sup>3)</sup>	-
2+1+ 1(8)x 21 W+ 1,2-2 W	Bracket at top, 1 hole Ø 6.4 mm	3 E	<b>0 335 200 160</b>	Huerlimann, John Deere, Lamborghini, Same, Schilter, Steyr

<sup>1)</sup> See application recommendations for vehicle models

<sup>2)</sup> Ground cable supplied

<sup>3)</sup> Increased immunity to interference



Load	Fastening	Fig.	Part number	Vehicle makes <sup>1)</sup>
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### For commercial vehicles 24 V

#### For vehicles without trailer hitch

2(4)x 21 W+	Bracket at top, 3 holes Ø 6.4 mm	3 B	<b>0 335 215 113</b>	MAN
2-4 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 B	<b>0 335 215 114</b>	VÖV-SGL-Busse
3(6)x 21 W+	Bracket at top, 3 holes Ø 6.4 mm	3 B	<b>0 335 215 123</b>	MAN
2-4 W				
4(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 B	<b>0 335 215 133</b> <sup>2)</sup>	MAN, Mercedes-Benz
4(8)x 21 W+	Bracket on both sides, 2 holes Ø 6.4 mm	4 B	<b>0 335 215 134</b> <sup>2)</sup>	MAN
2-4 W				

#### For vehicles with trailer hitch

2+1(6)x 18 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 D	<b>0 335 215 043</b>	MAN
2+1(6)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 A	<b>0 335 215 143</b>	DAF, Kässbohrer, MAN Mercedes-Benz, Steyr, Volvo
2+1(6)x 21 W+	Bracket on both sides, 2 holes Ø 6.4 mm	4 A	<b>0 335 215 145</b> <sup>3)</sup>	Mercedes-Benz
1,2-2 W				
2+1(6)x 21 W+	Bracket on both sides, 2 holes Ø 6.4 mm	6 D	<b>0 335 215 144</b>	Renault
5 W (10 W)				
3+1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 D	<b>0 335 215 154</b>	Berna, Faun, Kaelble, Saurer, Steyr
3+1(8)x 21 W+	on plug-in base	5 A	<b>0 335 215 155</b>	Steyr, Volvo
2-4 W				
2+1+1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 C	<b>0 335 215 164</b> <sup>3)</sup>	Mercedes-Benz

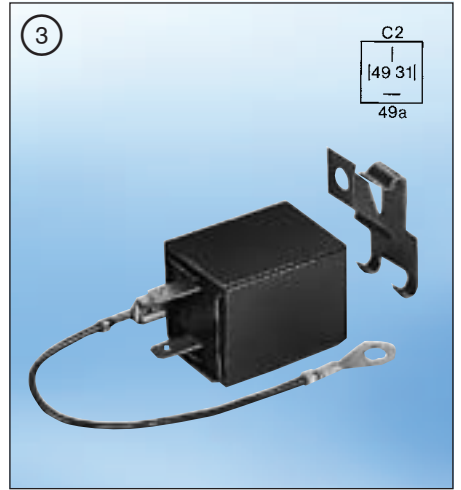
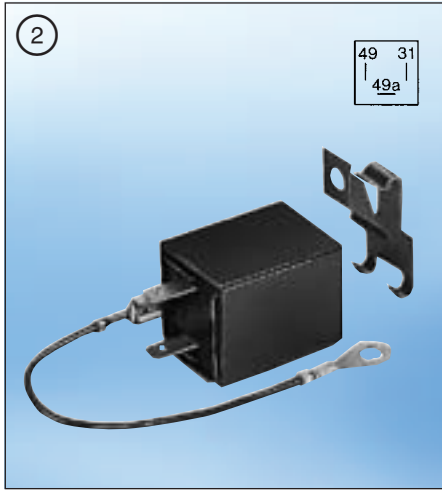
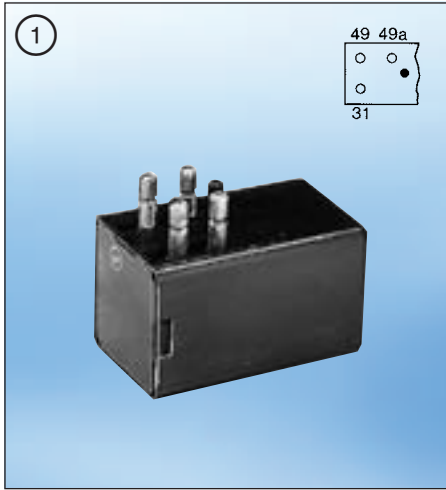
<sup>1)</sup> See application recommendations for vehicle models

<sup>2)</sup> Ground cable supplied

<sup>3)</sup> Increased immunity to interference

<sup>4)</sup> With audible signal (ticker)

Electronic hazard-warning and turn-signal flashers (continued)



Load	Fastening	Fig.	Part number	Vehicle makes <sup>1)</sup>
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**For passenger cars 12 V**

**For vehicles without trailer hitch**

2(4) x 21 W + 2 W	on side of plug-in base	1	<b>0 335 200 007</b>	Mercedes-Benz
2(4) x 21 W + 0-4 W	Mounting claw with hole Ø 6.4 mm	2	<b>0 335 200 038 <sup>2)</sup></b>	Audi, BMW, Ford, Lada, Opel, Porsche, Vauxhall, Volvo, VW

**For vehicles with trailer hitch**

2+1(6)x 21 W	Mounting claw, 1 hole Ø 6.4 mm	3	<b>0 335 200 041 <sup>2)</sup></b>	Audi, BMW, Ford, Opel, Vauxhall, Volvo, VW
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<sup>1)</sup> See application recommendations for vehicle models

<sup>2)</sup> Ground cable enclosed

## Guaranteed full power. 100 % silicone ignition cables from Bosch.



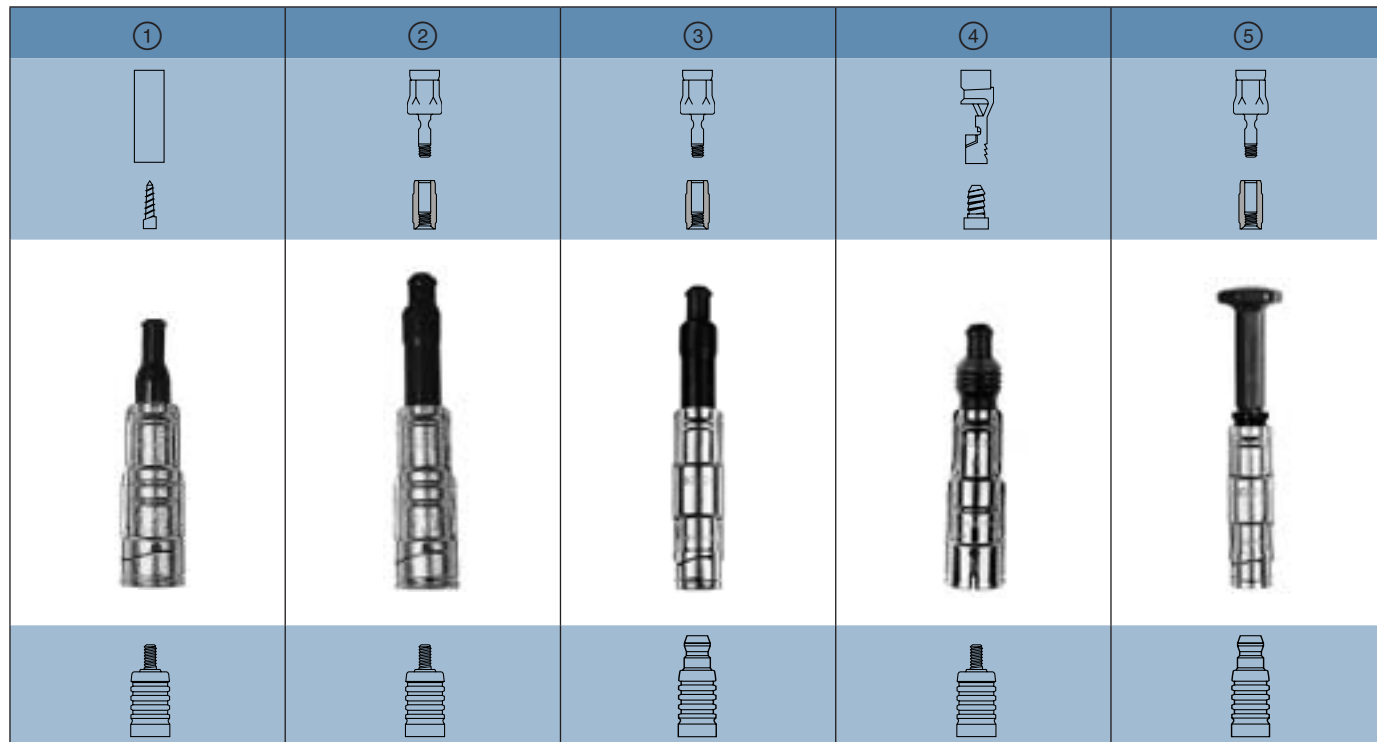
### Greatly extended range featuring high-voltage ignition cables for a perfect fit

- ▶ Bosch original equipment quality
- ▶ Outer ignition cable insulation made of 100 % silicone, no PVC
- ▶ Resistant to extreme temperatures between -60 8C and above +200 8C
- ▶ Not susceptible to chemical and mechanical influences
- ▶ Outstanding interference suppression and insulation
- ▶ Protection of engine and catalytic converter



# Spark-plug connectors

Interference-suppressed, partially screened



## For ignition cable – 7 mm dia.

Fig.	Connections cable end/ spark plug	Spark plugs A/F <sup>1)</sup>	Length mm	Resistance kΩ	Material <sup>2)</sup>	Characteristics	Splash guards	Part number	Application
1	Wood screw/ pin M4	21	105	1	UP/silicone	up to 120 °C	on both ends	<b>0 356 301 022</b>	Mercedes-Benz, general
2	Female thread M3/ pin M4	21	128	1	UP/silicone	up to 120 °C	on both ends	<b>0 356 301 023</b>	Mercedes-Benz, general
3	Female thread M3/ DIN (ISO)	16	130	1	UP/silicone	up to 150 °C	on both ends	<b>0 356 301 028</b>	Mercedes-Benz, general
4	Saw-tooth thread/ pin M4	21	118	5	UP/silicone	up to 150 °C	on both ends	<b>0 356 301 036</b>	Audi, VW, Volvo, general
5	Female thread M3/ DIN (ISO)	16	150	2	UP/silicone	up to 150 °C	plug end	<b>0 356 351 053</b>	Mercedes-Benz, general

<sup>1)</sup> Width across flats

<sup>2)</sup> PF polyester, UP bakelite

## Special accessories (please order separately)

### Waterproof cap, cable end

for spark-plug connector 0 356 301 007

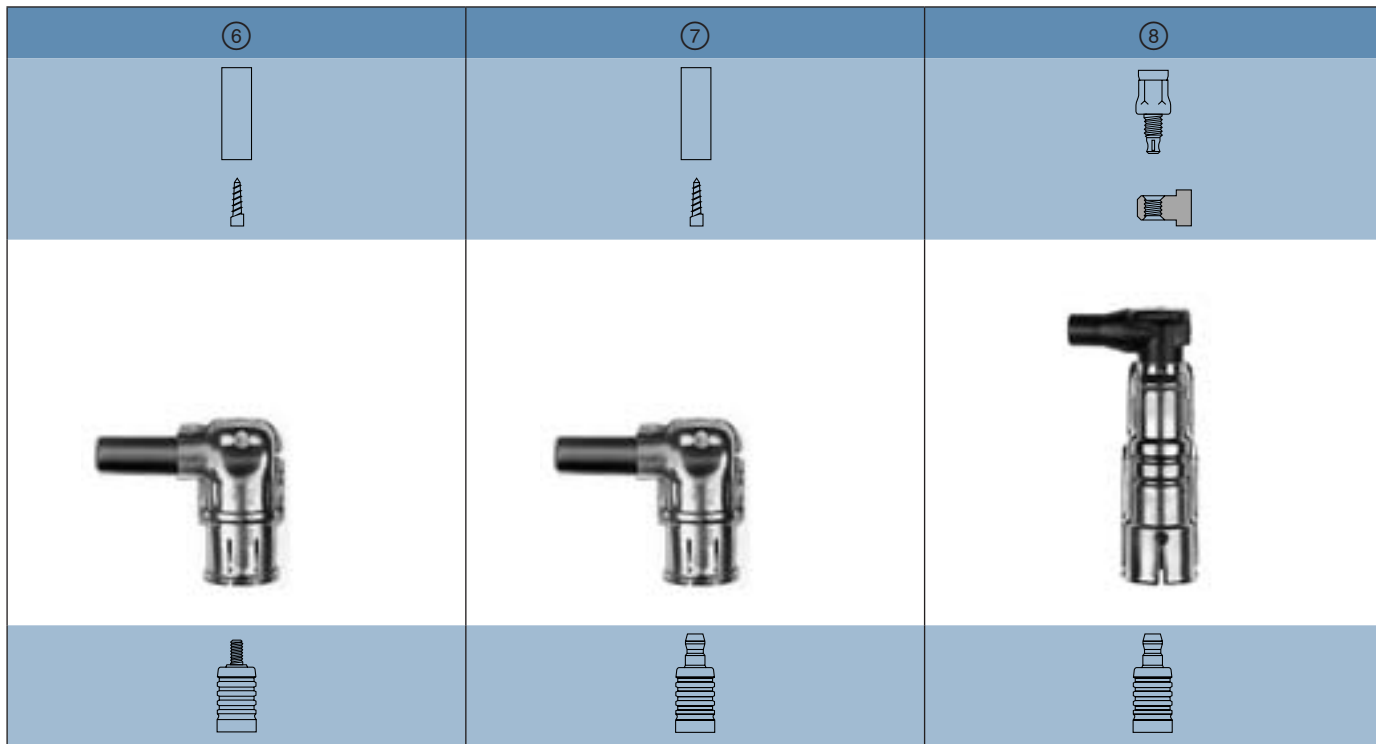
not shown **1 230 522 007**

### Ignition-cable conductor barrels

with thread M3 **1 350 521 001**

with thread M4 **1 350 521 007**

for detent pin, permanent **1 350 390 086**



**For ignition cable – 7 mm dia.**

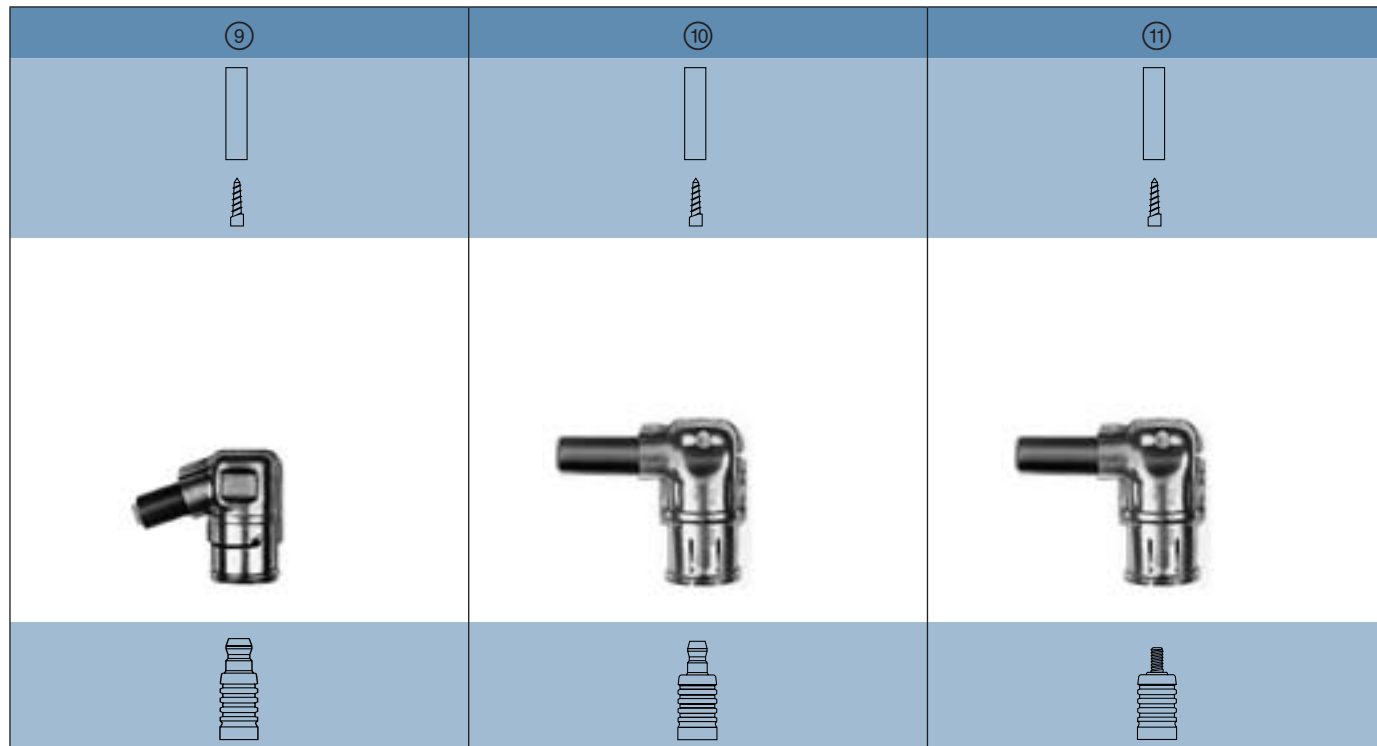
Fig.	Connections cable end/ spark plug	Spark plugs A/F <sup>1)</sup>	Length mm	Resistance kΩ	Material <sup>2)</sup>	Characteristics	Splash guards	Part number	Application
6	Wood screw/ pin M4	21	42/48	1	UP	plug end with sealing ring, up to 120 °C	–	<b>0 356 351 031</b>	Motorcycles, equipment
				5	UP	up to 120 °C	–	<b>0 356 351 026</b>	Small engines, equipment
		26	42/48	1	PF	plug end with sealing ring, up to 120 °C	–	<b>0 356 351 028</b>	Small engines, equipment
7	Wood screw/ DIN (ISO)	21	42/48	1	UP	plug end with sealing ring, up to 120 °C	–	<b>0 356 351 032</b>	Small engines, equipment
				5	UP	plug end with sealing ring, up to 120 °C	–	<b>0 356 351 041</b>	Piaggio, Vespa
		26	42/48	1	UP	plug end with sealing ring, up to 120 °C	–	<b>0 356 351 033</b>	Small engines, equipment
8	Female thread M4/ DIN (ISO)	21	84/31	5	Silicone	up to 120 °C	on both ends	<b>0 356 351 050<sup>4)</sup></b>	Alfa Romeo

<sup>1)</sup> Width across flats <sup>2)</sup> PF polyester, UP bakelite <sup>3)</sup> Up to middle of diameter, spark plug / cable side <sup>4)</sup> See special accessories

**Bosch tip:**

If ISO nut is unscrewed from the spark plug, use can also be made of spark-plug connectors for M4 thread and vice versa.

**Spark-plug connectors (continued)**  
**Interference-suppressed, partially screened**



**For ignition cable – 5 mm dia.**

Fig.	Connections cable end/ spark plug	Spark plugs A/F <sup>1)</sup>	Length mm	Resistance kΩ	Material <sup>2)</sup>	Characteristics	Splash guards	Part number	Application
9	Wood screw/ DIN (ISO)	19	36/44	1	UP	plug end with sealing ring, up to 120 °C	–	<b>0 356 351 037</b>	Small engines (with WS/WSR spark plug)
10	Wood screw/ DIN (ISO)	21	42/48	1	UP	up to 120 °C	–	<b>0 356 351 042</b>	Motorcycles, stationary engines
11	Wood screw/ pin M4	21	42/48	1	UP	up to 120 °C	–	<b>0 356 351 024</b>	Motorcycles

<sup>1)</sup> Width across flats

<sup>2)</sup> UP bakelite

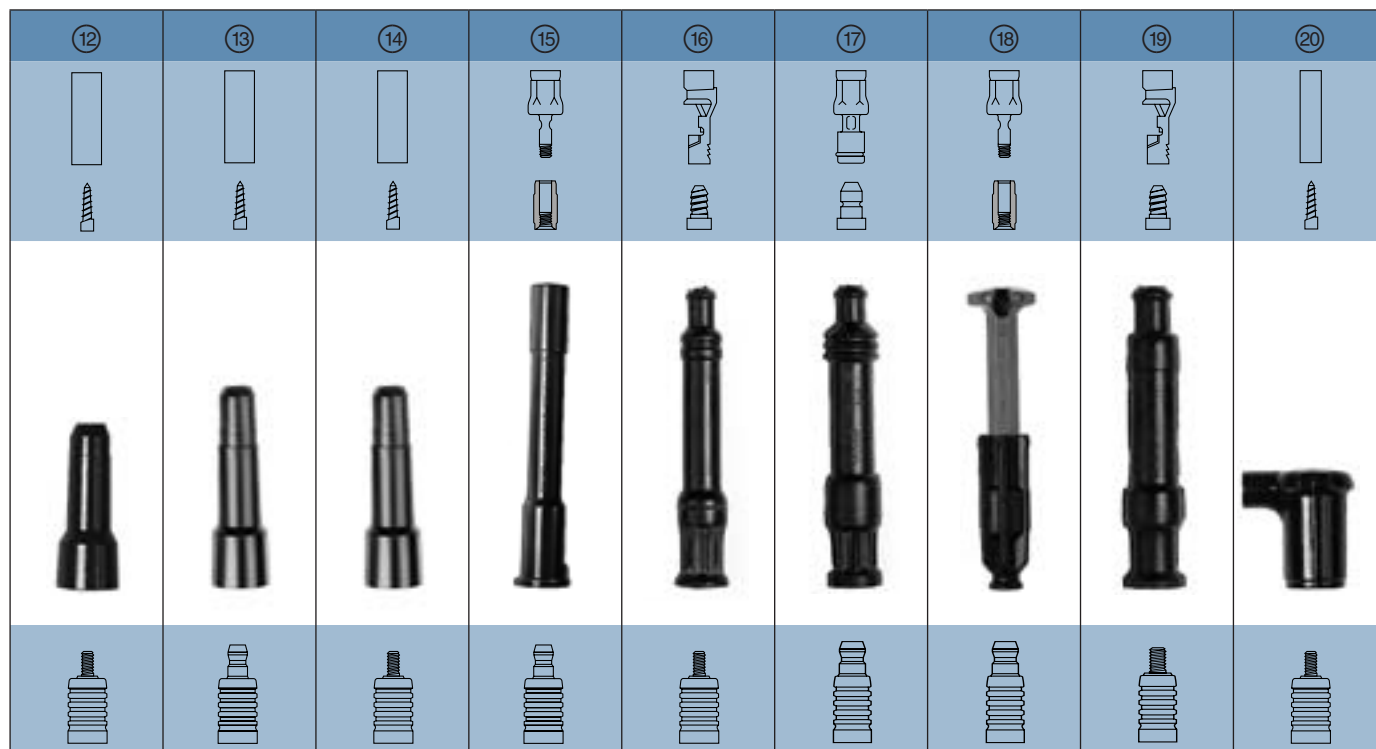
<sup>3)</sup> Up to middle of diameter, spark plug / cable side

**Special accessories (please order separately)**

**Ignition-cable conductor barrels**

with thread M3	<b>1 350 521 001</b>
with thread M4	<b>1 350 521 007</b>
for detent pin, permanent	<b>1 350 390 086</b>

## Spark-plug connectors Interference-suppressed



### For ignition cable – 7 mm dia.

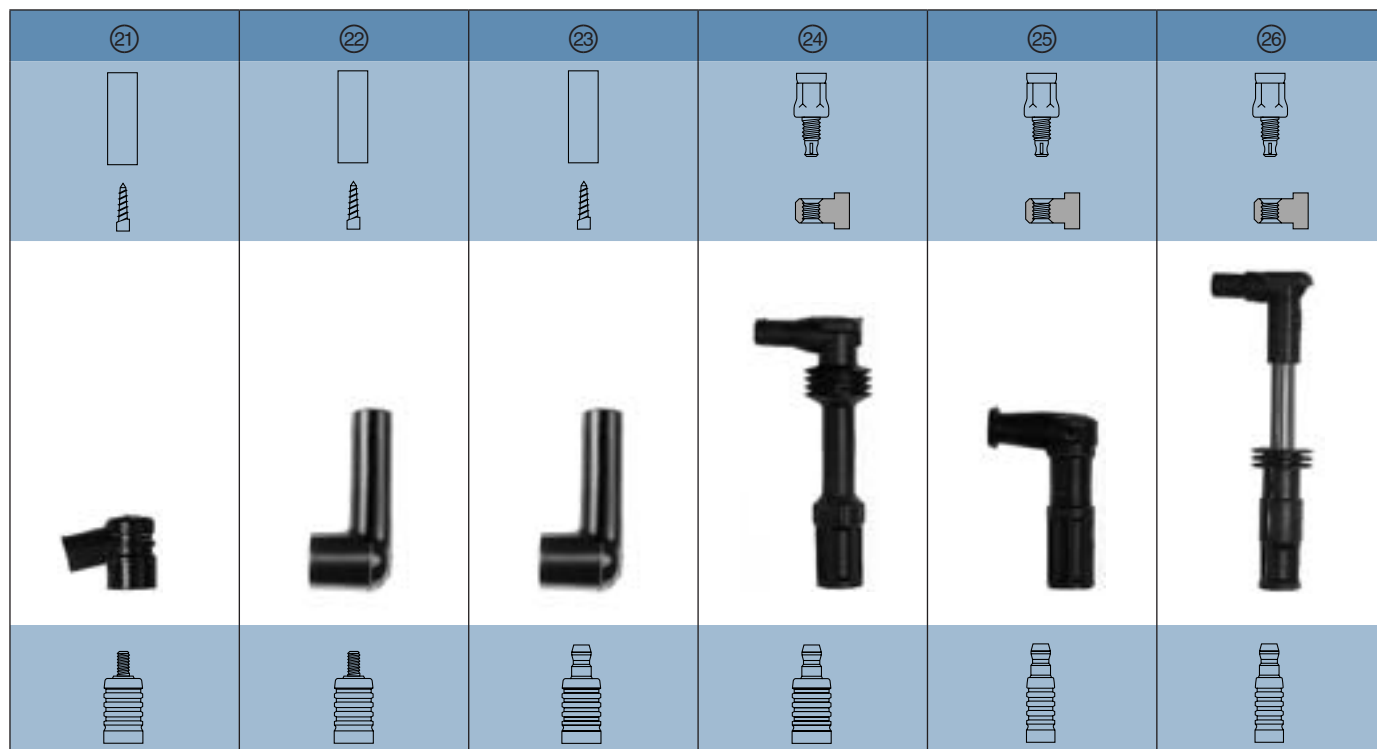
Fig.	Connections cable end/ spark plug	Spark plugs A/F <sup>1)</sup>	Length mm	Resistance kΩ	Material <sup>2)</sup>	Characteristics	Splash guards	Part number	Application
12	Wood screw/ pin M4	21	52	–	PF	up to 120 °C	–	<b>0 356 002 001</b>	General
13	Wood screw/ DIN (ISO)	21	63	1	UP	up to 150 °C	–	<b>0 356 100 021</b>	General
				5	UP	up to 150 °C	–	<b>0 356 100 006</b>	Volvo, general
14	Wood screw/ pin M4	21	63	1	UP	up to 150 °C	–	<b>0 356 100 014</b>	Mercedes-Benz, VW, general
				5	UP	up to 150 °C	–	<b>0 356 100 015</b>	General
				109	1.4	UP	up to 150 °C	–	<b>0 356 100 030</b>
15	Female thread M3/ DIN (ISO)	21	129	1.4	UP	up to 150 °C	–	<b>0 356 100 037</b>	Alfa Romeo, general
16	Saw-tooth thread/ pin M4	21	120	5	UP/silicone	up to 150 °C	on both ends	<b>0 356 100 040</b>	BMW, general
17	Detent pin permanent DIN (ISO)	16	120	5	PPS/silicone	up to 230 °C	on both ends	<b>0 356 100 041</b>	BMW, general
18	Female thread M3/ DIN (ISO)	16	140	2	UP/silicone	up to 150 °C	plug end	<b>0 356 150 022</b>	Mercedes-Benz
19	Saw-tooth thread/ pin M4	16	101	5	UP/silicone	up to 150 °C	on both ends	<b>1 354 489 110</b>	Alfa Romeo, general
20	Wood screw/ pin M4	21	32/33	–	PF	up to 120 °C	–	<b>0 356 050 001</b>	General

<sup>1)</sup> Width across flat

<sup>2)</sup> PF polyester, UP bakelite, PPS polyphenylene sulfide

<sup>3)</sup> Up to middle of diameter, spark plug / cable side

**Spark-plug connectors (continued)**  
**Interference-suppressed**



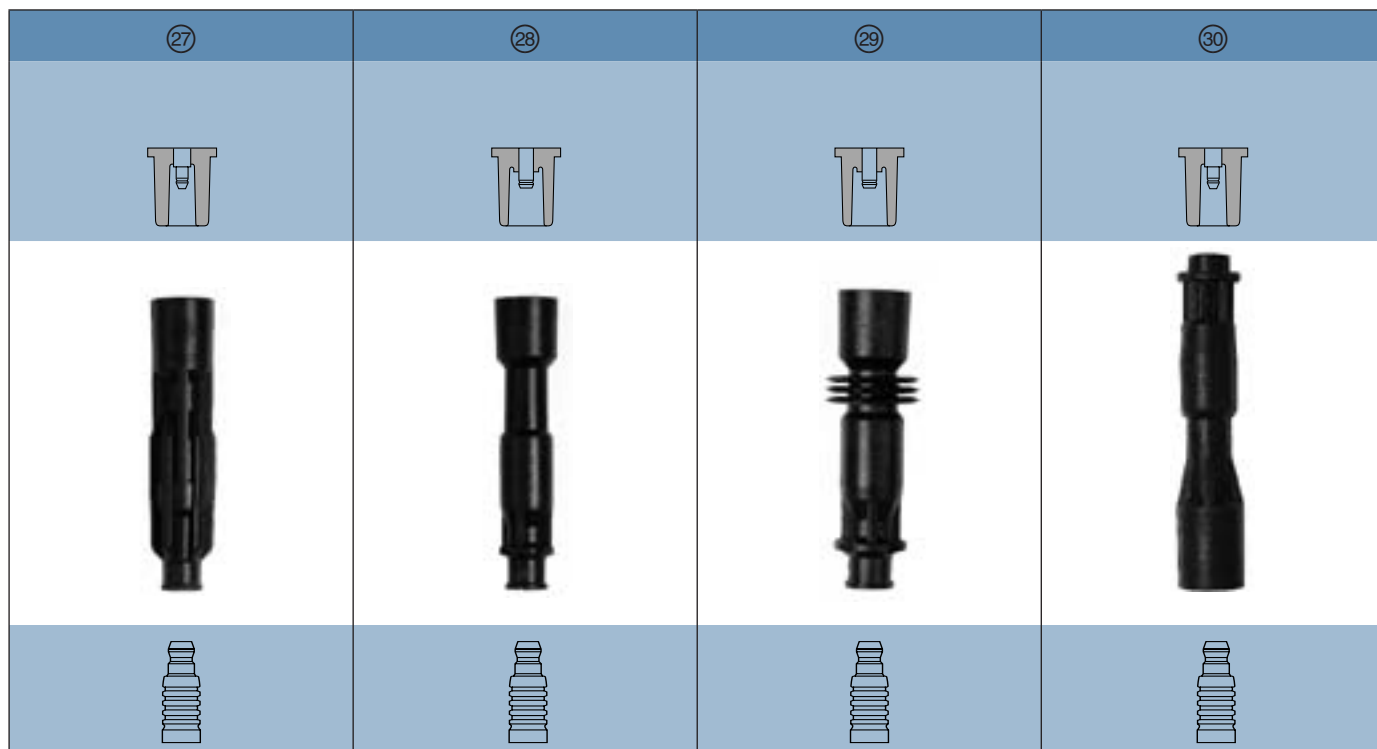
**For ignition cable – 7 mm dia.**

Fig.	Connections cable end/ spark plug	Spark plugs A/F <sup>1)</sup>	Length mm	Resistance kΩ	Material <sup>2)</sup>	Characteristics	Splash guards	Part number	Application
21	Wood screw/ pin M4	21	24/23	-	Silicone	up to 200 °C	on both ends	<b>0 356 050 010</b>	Small engines
						like ..010, but with for ignition cable 5 mm dia.	on both ends	<b>0 356 050 009</b>	
22	Wood screw/ pin M4	21	50/21	1.4	PF	up to 120 °C	-	<b>0 356 150 005</b>	General
23	Wood screw/ DIN (ISO)	21	50/21	1.4	PF	up to 120 °C	-	<b>0 356 150 007</b>	General
24	Female thread M4/DIN (ISO)	21	111/36	1.4	Silicone	up to 200 °C	on both ends	<b>0 356 150 021</b>	Alfa Romeo
25	Female thread M4/DIN (ISO)	16	67/35	5	UP/silicone	up to 150 °C	on both ends	<b>1 354 489 095</b>	Fiat
26	Female thread M4/DIN (ISO)	16	149/35	2	UP/silicone	up to 150 °C	on both ends	<b>1 354 490 019</b>	Alfa Romeo

<sup>1)</sup> Width across flats <sup>2)</sup> PF polyester, UP bakelite <sup>3)</sup> Up to middle of diameter, spark plug / cable side

**Special accessories (please order separately)**

Ignition-cable conductor barrels	
with thread M3	<b>1 350 521 001</b>
with thread M4	<b>1 350 521 007</b>
for detent pin, permanent	<b>1 350 390 086</b>



### Plug connectors for installation between ignition-module coil and spark plug

Fig.	Connections cable end/ spark plug	Spark plugs A/F <sup>1)</sup>	Length mm	Resistance k $\Omega$	Material <sup>2)</sup>	Characteristics	Splash guards	Part number	Application
27	Detent pin 4 mm dia./ DIN (ISO)	16	114	2	UP/silicone	up to 150 °C	on both ends	<b>0 356 100 100</b>	Mercedes-Benz
28	Detent pin 5 mm dia./ DIN (ISO)	16	109	2	UP/silicone	up to 150 °C	on both ends	<b>0 356 100 104</b>	Audi
29	Detent pin 5 mm dia./ DIN (ISO)	16	100	2	UP/silicone	up to 150 °C	on both ends	<b>0 356 100 107</b>	Alfa Romeo
30	Detent pin 4 mm dia./ DIN (ISO)	16	121	1	UP/silicone	up to 150 °C	on both ends	<b>1 354 489 085</b>	BMW

<sup>1)</sup> Width across flats

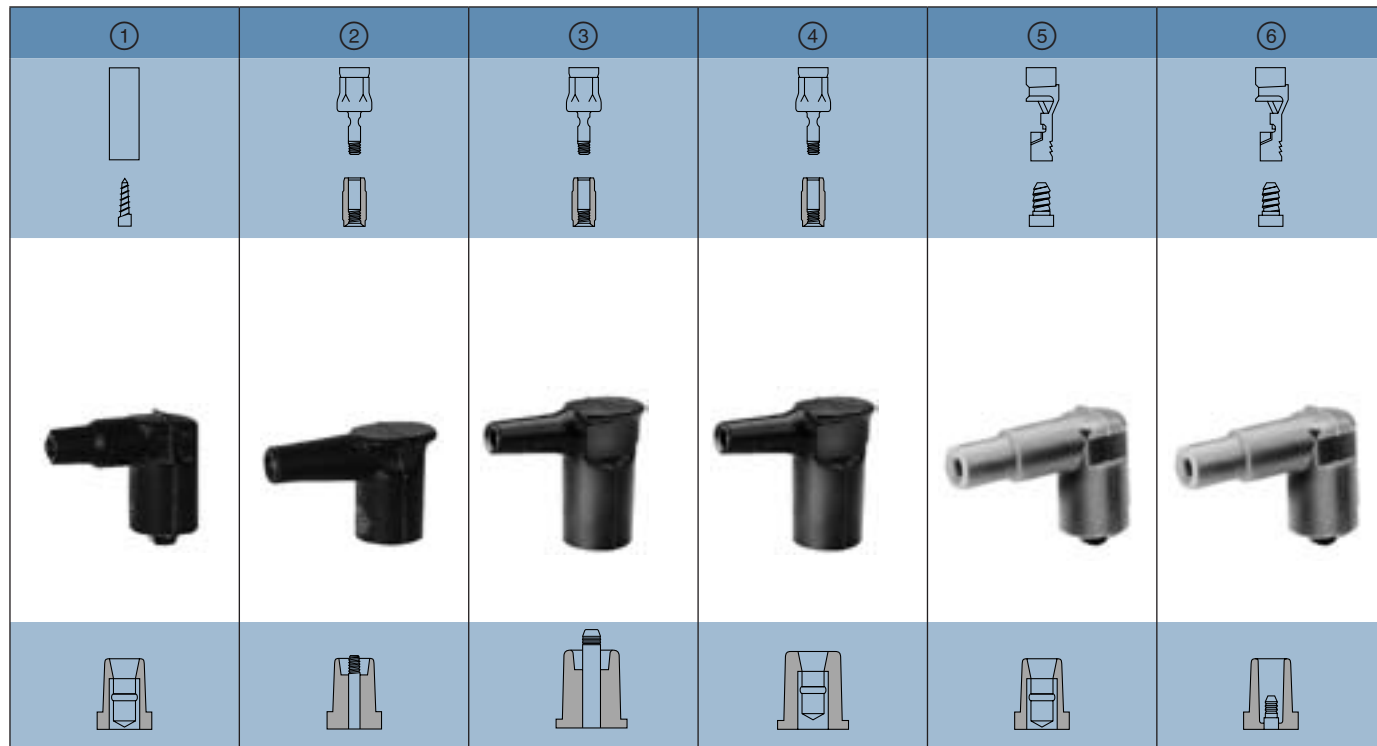
<sup>2)</sup> UP bakelite

<sup>3)</sup> Up to middle of diameter, spark plug / cable side



# Ignition-coil connectors/Ignition-distributor connectors

Interference-suppressed



## For ignition cable – 7 mm dia.

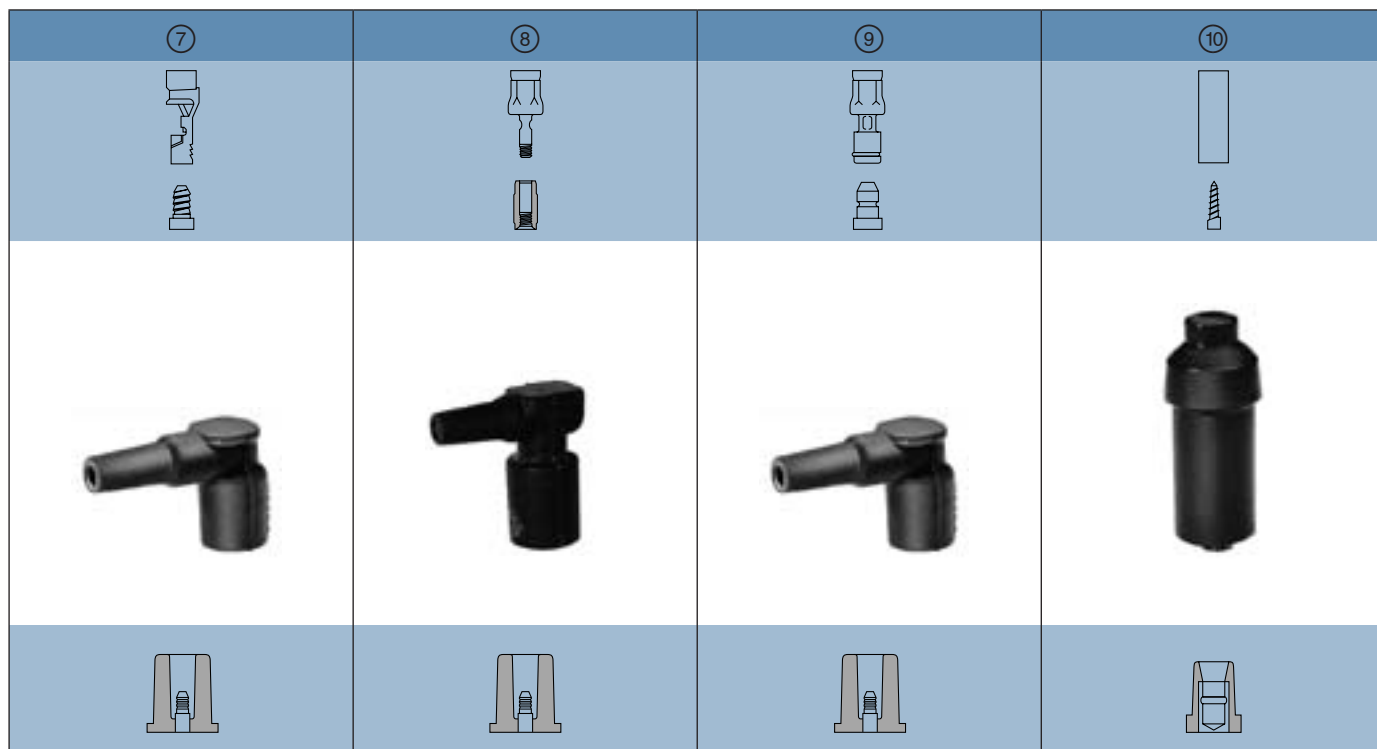
Fig.	Connections cable end/ignition coil, ign. distributor	Length <sup>1)</sup> mm	Resistance kΩ	Material	Characteristics	Splash guards	Part number	Application
1	Wood screw/ DIN (ISO)	30/23	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	<b>0 356 250 019</b>	Audi, BMW, VW, general
2	Female thread M3/pin M4	24/37	–	Silicone	for 27 kV domes, up to 120 °C	on both ends	<b>0 356 250 024</b>	Mercedes-Benz
3	Female thread M3/detent pin 6.4 mm dia.	37/37	–	Silicone	for 30 kV domes, up to 120 °C	on both ends	<b>0 356 250 027</b>	Mercedes-Benz, Porsche
4	Female thread M3/DIN (ISO)	42/37	–	Silicone	for 30 kV domes, up to 120 °C	on both ends	<b>0 356 250 029</b>	Mercedes-Benz, Porsche
5	Saw-tooth thread/ DIN (ISO)	30/41	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	<b>0 356 250 031</b>	Audi, BMW, VW
6	Saw-tooth thread/ detent pin 4 mm dia.	29/41	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	<b>0 356 250 033</b>	Alfa Romeo, Audi, BMW, VW

<sup>1)</sup> Up to middle of diameter on each connector side

## Special accessories (please order separately)

### Ignition-cable conductor barrels

with thread M3	<b>1 350 521 001</b>
with thread M4	<b>1 350 521 007</b>
for detent pin, permanent	<b>1 350 390 086</b>



### For ignition cable – 7 mm dia.

Fig.	Connections cable end/ignition coil, ign. distributor	Length <sup>1)</sup> mm	Resistance kΩ	Material	Characteristics	Splash guards	Part number	Application
7	Saw-tooth thread/ detent pin 4 mm dia.	33/53	1	Silicone	for 30 kV domes, up to 120°C	on both ends	<b>0 356 250 034</b>	Alfa Romeo, Audi
8	Female thread M3/ detent pin 4 mm dia.	43/38	1	Silicone	for 30 kV domes, up to 120°C	on both ends	<b>0 356 250 035</b>	Mercedes-Benz
9	Detent pin permanent/ detent pin 4 mm dia.	33/53	1	Silicone	for 30 kV domes, up to 120°C	on both ends	<b>1 354 503 301</b>	BMW
10	Wood screw/ DIN (ISO)	54	1	PVC	for 27 kV domes, up to 120°C	on both ends	<b>0 356 200 006</b>	VW, general

<sup>1)</sup> Up to middle of diameter on each connector side

**Ignition-coil connectors/Ignition-distributor connectors** (continued)  
**Interference-suppressed**



**For ignition cable – 7 mm dia.**

Fig.	Connections cable end/ignition coil, ign. distributor	Length <sup>1)</sup> mm	Resistance kΩ	Material	Characteristics	Splash guards	Part number	Application
11	Wood screw/ DIN (ISO)	54	1	CR	for 27 kV domes, for low-lying Opel sockets, up to 120°C	on both ends	<b>0 356 200 009</b>	Opel
12	Saw-tooth thread/ detent pin 4 mm dia.	68	1	Silicone	for 27 kV domes, up to 120°C	on both ends	<b>0 356 200 013</b>	Audi, VW, general
13	Saw-tooth thread/ detent pin 4 mm dia.	81	1	Silicone	for 30 kV domes, up to 120°C	on both ends	<b>0 356 200 014</b>	Alfa Romeo, Audi
14	Female thread M3/ detent pin 4 mm dia.	73	–	Silicone	for 30 kV domes, up to 120°C	on both ends	<b>0 356 200 015</b>	Mercedes-Benz
15	Detent pin permanent/ detent pin 4 mm dia.	85	1	Silicone	for 30 kV domes, up to 120°C	on both ends	<b>1 354 503 300</b>	BMW

<sup>1)</sup> CR neoprene

**Special accessories** (please order separately)

<b>Ignition-cable conductor barrels</b>	
with thread M3	<b>1 350 521 001</b>
with thread M4	<b>1 350 521 007</b>
for detent pin, permanent	<b>1 350 390 086</b>

## Accessories

### Protective cap to guard against dirt and moisture



#### Protective cap for spark-plug end

For straight and angled (interference-suppressed) spark-plug connectors 0 356 100.. 0 356 150..	Silicone rubber	-60...+200 °C	-	2	<b>3 350 524 001</b>
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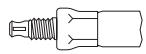

### Copper-core ignition cables, unshielded

① ... ③ By the meter

Fig.	Ignition cable dia. mm	Conductor cross-section mm <sup>2</sup>	Version	Part number 50 m in cardboard box
1	5	1	Black PVC	<b>6 181 190 100</b>
	7	1	Black PVC	<b>6 181 090 100</b>
2	7	1	Black/Hypalon, low capacity, heat-resistant to 150 °C	<b>6 180 190 100</b>
3	7	1	Transparent PVC	<b>6 181 001 100</b>
			Black silicone	<b>5 956 569 015</b>
			Red silicone	<b>5 956 563 015</b>

#### Ignition-cable conductor barrels

For Ø 7 mm ignition cables, conductor cross-section 0.5...1 mm<sup>2</sup>.  
The connection hardware between plug and ignition cable is packed in plastic boxes.

Connection Fig.	Qty. per pack	Part number
M3 	50	<b>1 350 521 001</b>
M4 	50	<b>1 350 521 007</b>
For ratched pin, permanent 	50	<b>1 350 390 086</b>

#### Insulating grease

Color: White  
Melting point: 320 °C  
Properties: wax-type, odorless, improvement of the insulating properties at secondary-sides connections of the ignition system, prevention of head sparkover at spark plugs.  
Application: Spark-plug connectors, interference-suppressed, protective caps, distributor caps and the like.

EC safety data sheet:	<b>1 987 123 010</b>
45 ml tube	<b>1 987 123 010</b>



#### Anti-rodent conduit

For all vehicles with exposed ignition cables. 2-piece black plastic conduit with longitudinal slit for retrofitting to provide mechanical anti-rodent protection for ignition cables.

Available: By the meter, 50 m

**1 987 352 020**

- ▶ Reliable prevention of rodent damage to ignition cables
- ▶ Protection of catalytic converter
- ▶ Lasting solution
- ▶ Uncomplicated retrofitting

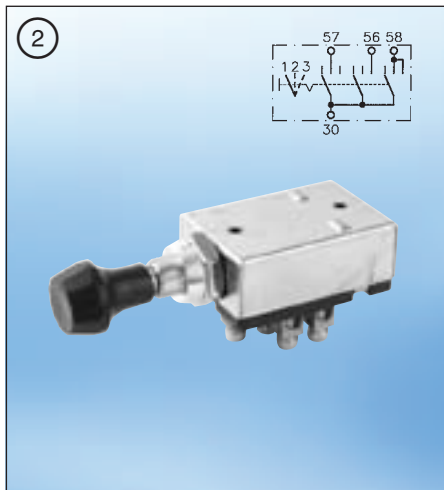
## Vehicle heaters

For with water-cooled engines vehicles



① **Water cock for pipe connection**  
(Quantity required: 2)

**1 147 415 000**



② **Pull switch, multi-position switch. Ivory-colored switch knob.**

Load: 100 W 24 V.

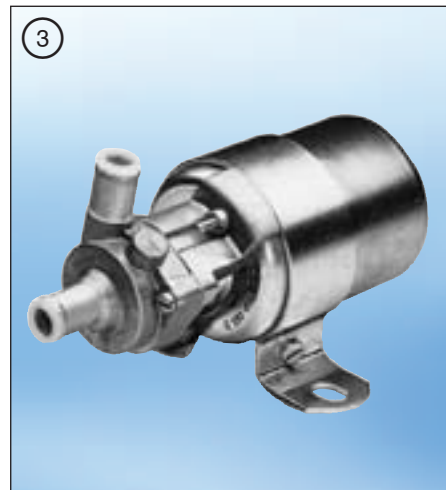
Switch positions: 1 off, 2 blower stage I, 3 blower stage II.

Fastening: With M 10 x 1 round nut.

Installation: Ø 10.5 mm. Wall thickness up to 2 mm.

Connection: screw terminals.

**0 986 340 120**



③ **Electric water pump**  
(without fastening materials)

Application for heating systems in construction machines etc. with thermosiphon cooling. Water connection Ø 14 mm.

24 V

**0 392 020 027**

### Fastening materials

for electric water pump

Spring washer Ø 5 mm

**2 916 699 131**

Hexagon nut M 5

**2 915 011 006**



# Part-number overview

(complete)



**0 189 ...**

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0 189 999 070	A99
0 189 999 170	A99
0 189 999 070	A99
0 189 999 130	A99
0 189 999 170	A99

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0 290 804 002	A191

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0 305 055 004	A32
0 305 055 901	A32
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0 305 406 902	A35
0 305 555 001	A36
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0 305 603 901	A31
0 305 603 902	A31
0 305 900 005	A29

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0 306 407 101	A22
0 306 407 901	A22
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**0 312 ...**

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0 313 110 002	A76

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<b>0 342 307 001</b>	A140
<b>0 342 307 002</b>	A140
<b>0 342 309 003</b>	A143
<b>0 342 309 005</b>	A143
<b>0 342 309 006</b>	A143
<b>0 342 309 007</b>	A142
<b>0 342 309 008</b>	A142
<b>0 342 309 009</b>	A143



**Part-number overview** (complete)  
 (continued)

										
<b>0 342 309 010</b>	A143	<b>0 354 120 003</b>	A134	<b>0 356 351 036</b>	A177	<b>0 986 320 146</b>	A87	<b>0 986 344 074</b>	A150	
<b>0 342 309 011</b>	A143	<b>0 354 120 004</b>	A134	<b>0 356 351 037</b>	A178	<b>0 986 320 147</b>	A87	<b>0 986 344 076</b>	A150	
<b>0 342 309 012</b>	A143	<b>0 354 120 005</b>	A134	<b>0 356 351 041</b>	A177	<b>0 986 320 148</b>	A87	<b>0 986 344 077</b>	A150	
<b>0 342 311 003</b>	A142	<b>0 354 120 006</b>	A134	<b>0 356 351 047</b>	A177	<b>0 986 320 149</b>	A87	<b>0 986 344 080</b>	A150	
<b>0 342 311 004</b>	A142	<b>0 354 120 007</b>	A134	<b>0 356 351 050</b>	A177	<b>0 986 320 154</b>	A87	<b>0 986 344 082</b>	A150	
<b>0 342 311 006</b>	A142	<b>0 354 130 003</b>	A135	<b>0 356 351 053</b>	A176	<b>0 986 320 188</b>	A87	<b>0 986 344 085</b>	A150	
<b>0 342 311 007</b>	A142	<b>0 356 ...</b>		<b>0 356 351 803</b>	A177	<b>0 986 320 191</b>	A87	<b>0 986 344 086</b>	A150	
<b>0 342 315 001</b>	A144	<b>0 356 002 001</b>	A179	<b>0 392 ...</b>		<b>0 986 320 301</b>	A88	<b>0 986 344 089</b>	A150	
<b>0 342 315 002</b>	A144	<b>0 356 050 001</b>	A179	<b>0 392 020 027</b>	A195	<b>0 986 320 302</b>	A88	<b>0 986 344 090</b>	A150	
<b>0 342 315 004</b>	A144	<b>0 356 050 009</b>	A180	<b>0 986 ...</b>		<b>0 986 320 306</b>	A88	<b>0 986 345 000</b>	A151	
<b>0 342 316 002</b>	A145	<b>0 356 050 010</b>	A180	<b>0 986 310 093</b>	A77	<b>0 986 320 307</b>	A88	<b>0 986 345 001</b>	A151	
<b>0 342 316 003</b>	A145	<b>0 356 100 006</b>	A179	<b>0 986 310 200</b>	A8	<b>0 986 320 310</b>	A88	<b>0 986 345 003</b>	A151	
<b>0 343 ...</b>		<b>0 356 100 014</b>	A179	<b>0 986 310 200</b>	A9	<b>0 986 320 311</b>	A88	<b>0 986 345 004</b>	A151	
<b>0 343 003 001</b>	A137	<b>0 356 100 015</b>	A179	<b>0 986 310 202</b>	A8	<b>0 986 320 312</b>	A88	<b>0 986 345 005</b>	A151	
<b>0 343 003 004</b>	A137	<b>0 356 100 021</b>	A179	<b>0 986 310 202</b>	A8	<b>0 986 320 313</b>	A88	<b>0 986 345 006</b>	A151	
<b>0 343 003 005</b>	A137	<b>0 356 100 030</b>	A179	<b>0 986 310 202</b>	A9	<b>0 986 320 314</b>	A88	<b>0 986 345 007</b>	A151	
<b>0 343 003 007</b>	A137	<b>0 356 100 037</b>	A179	<b>0 986 310 208</b>	A13	<b>0 986 320 316</b>	A88	<b>0 986 345 008</b>	A151	
<b>0 343 004 003</b>	A137	<b>0 356 100 040</b>	A179	<b>0 986 310 209</b>	A52	<b>0 986 320 317</b>	A88	<b>0 986 345 009</b>	A151	
<b>0 343 007 001</b>	A137	<b>0 356 100 041</b>	A179	<b>0 986 310 211</b>	A52	<b>0 986 320 351</b>	A88	<b>0 986 345 011</b>	A151	
<b>0 343 008 006</b>	A144	<b>0 356 100 100</b>	A181	<b>0 986 310 520</b>	A20	<b>0 986 320 392</b>	A88	<b>0 986 345 012</b>	A151	
<b>0 343 008 007</b>	A144	<b>0 356 100 104</b>	A181	<b>0 986 310 520</b>	A20	<b>0 986 320 393</b>	A88	<b>0 986 345 017</b>	A151	
<b>0 343 008 008</b>	A144	<b>0 356 100 107</b>	A181	<b>0 986 310 526</b>	A10	<b>0 986 320 394</b>	A88	<b>0 986 345 110</b>	A152	
<b>0 343 008 009</b>	A144	<b>0 356 150 005</b>	A180	<b>0 986 310 527</b>	A11	<b>0 986 332 002</b>	A154	<b>0 986 345 111</b>	A152	
<b>0 343 013 001</b>	A137	<b>0 356 150 007</b>	A180	<b>0 986 310 528</b>	A10	<b>0 986 332 003</b>	A154	<b>0 986 345 112</b>	A152	
<b>0 343 101 003</b>	A139	<b>0 356 150 020</b>	A180	<b>0 986 310 529</b>	A11	<b>0 986 332 022</b>	A155	<b>0 986 345 113</b>	A152	
<b>0 343 102 008</b>	A139	<b>0 356 150 021</b>	A180	<b>0 986 310 533</b>	A14	<b>0 986 332 023</b>	A154	<b>0 986 345 114</b>	A152	
<b>0 343 102 010</b>	A139	<b>0 356 150 022</b>	A179	<b>0 986 310 534</b>	A14	<b>0 986 332 030</b>	A154	<b>0 986 345 115</b>	A152	
<b>0 343 102 011</b>	A139	<b>0 356 150 024</b>	A180	<b>0 986 310 535</b>	A19	<b>0 986 332 040</b>	A154	<b>0 986 345 116</b>	A152	
<b>0 343 102 015</b>	A139	<b>0 356 200 006</b>	A185	<b>0 986 310 536</b>	A18	<b>0 986 332 041</b>	A155	<b>0 986 345 117</b>	A152	
<b>0 343 102 024</b>	A139	<b>0 356 200 007</b>	A185	<b>0 986 310 537</b>	A24	<b>0 986 332 050</b>	A154	<b>0 986 345 119</b>	A152	
<b>0 343 107 002</b>	A139	<b>0 356 200 007</b>	A185	<b>0 986 310 538</b>	A24	<b>0 986 332 053</b>	A155	<b>0 986 345 120</b>	A152	
<b>0 343 302 003</b>	A145	<b>0 356 200 009</b>	A186	<b>0 986 310 538</b>	A24	<b>0 986 332 071</b>	A154	<b>0 986 345 202</b>	A149	
<b>0 343 401 001</b>	A144	<b>0 356 200 013</b>	A186	<b>0 986 310 539</b>	A33	<b>0 986 332 072</b>	A154	<b>0 986 345 203</b>	A149	
<b>0 343 405 001</b>	A145	<b>0 356 200 014</b>	A186	<b>0 986 310 540</b>	A7	<b>0 986 332 073</b>	A155	<b>0 986 345 408</b>	A152	
		<b>0 356 200 015</b>	A186	<b>0 986 310 541</b>	A7	<b>0 986 334 001</b>	A81	<b>0 986 345 409</b>	A152	
		<b>0 356 250 019</b>	A184	<b>0 986 310 575</b>	A8	<b>0 986 334 002</b>	A81	<b>0 986 345 410</b>	A152	
<b>0 352 ...</b>		<b>0 356 250 024</b>	A184	<b>0 986 310 576</b>	A9	<b>0 986 340 001</b>	A136	<b>0 986 345 411</b>	A152	
<b>0 352 030 002</b>	A122	<b>0 356 250 027</b>	A184	<b>0 986 310 670</b>	A9	<b>0 986 340 010</b>	A137	<b>0 986 345 413</b>	A152	
<b>0 352 040 002</b>	A122	<b>0 356 250 029</b>	A184	<b>0 986 310 674</b>	A13	<b>0 986 340 100</b>	A136	<b>0 986 345 414</b>	A152	
<b>0 352 070 011</b>	A122	<b>0 356 250 031</b>	A184	<b>0 986 310 675</b>	A52	<b>0 986 340 120</b>	A136	<b>0 986 345 501</b>	A149	
<b>0 352 130 001</b>	A122	<b>0 356 250 033</b>	A184	<b>0 986 310 676</b>	A52	<b>0 986 340 120</b>	A195	<b>0 986 345 502</b>	A149	
<b>0 352 140 001</b>	A122	<b>0 356 250 034</b>	A185	<b>0 986 310 920</b>	A21	<b>0 986 344 032</b>	A150	<b>0 986 345 503</b>	A149	
<b>0 352 170 003</b>	A122	<b>0 356 250 035</b>	A185	<b>0 986 320 003</b>	A96	<b>0 986 344 033</b>	A150	<b>0 986 345 504</b>	A149	
<b>0 352 170 004</b>	A122	<b>0 356 301 022</b>	A176	<b>0 986 320 101</b>	A87	<b>0 986 344 036</b>	A150	<b>0 986 346 001</b>	A153	
<b>0 352 171 001</b>	A124	<b>0 356 301 023</b>	A176	<b>0 986 320 102</b>	A87	<b>0 986 344 040</b>	A150	<b>0 986 346 002</b>	A153	
<b>0 352 220 001</b>	A128	<b>0 356 301 024</b>	A178	<b>0 986 320 110</b>	A87	<b>0 986 344 041</b>	A150	<b>0 986 346 003</b>	A153	
<b>0 352 220 003</b>	A128	<b>0 356 301 028</b>	A176	<b>0 986 320 111</b>	A87	<b>0 986 344 044</b>	A150	<b>0 986 346 004</b>	A153	
<b>0 352 221 001</b>	A126	<b>0 356 301 036</b>	A176	<b>0 986 320 112</b>	A87	<b>0 986 344 046</b>	A150	<b>0 986 346 005</b>	A153	
<b>0 352 222 008</b>	A126	<b>0 356 301 042</b>	A178	<b>0 986 320 113</b>	A87	<b>0 986 344 051</b>	A150	<b>0 986 346 006</b>	A153	
<b>0 352 222 009</b>	A126	<b>0 356 350 017</b>	A182	<b>0 986 320 114</b>	A87	<b>0 986 344 052</b>	A150	<b>0 986 346 007</b>	A153	
<b>0 352 320 001</b>	A128	<b>0 356 351 026</b>	A177	<b>0 986 320 131</b>	A87	<b>0 986 344 053</b>	A150	<b>0 986 346 008</b>	A153	
<b>0 354 ...</b>		<b>0 356 351 028</b>	A177	<b>0 986 320 132</b>	A87	<b>0 986 344 054</b>	A150	<b>0 986 346 009</b>	A153	
<b>0 354 010 001</b>	A134	<b>0 356 351 031</b>	A177	<b>0 986 320 133</b>	A87	<b>0 986 344 055</b>	A150	<b>0 986 346 010</b>	A153	
<b>0 354 010 005</b>	A134	<b>0 356 351 032</b>	A177	<b>0 986 320 136</b>	A87	<b>0 986 344 056</b>	A150	<b>0 986 346 011</b>	A153	
		<b>0 356 351 033</b>	A177	<b>0 986 320 137</b>	A87	<b>0 986 344 058</b>	A150	<b>0 986 346 012</b>	A153	



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de

Verwendung

en

Applications

fr

Affectations

it

Impiego

es

Aplicación

**Benutzerhinweise**

In diesem Katalog sind die Daten von Fahrzeugen, Motoren und Geräten für den europäischen Markt von Baujahr 1992 bis einschließlich 2012 erfasst. Diese wurden aus Hersteller- und Importeurangaben, aus Fahrzeuguntersuchungen sowie aus Unterlagen von Bosch nach bestem Wissen sorgfältig zusammengestellt und geben den Stand zum Zeitpunkt der Drucklegung wieder.

Zwangsläufige Abweichungen durch länder-spezifische technische Änderungen können nie ganz ausgeschlossen werden. Bosch kann daher insoweit nicht für die Vollständigkeit und Fehlerfreiheit der Daten haften. Für Irrtümer und Druckfehler, die zu Schäden am Eigentum oder Vermögen führen, haftet Bosch nur bei grob fahrlässiger Pflichtverletzung und bei Vorsatz für unmittelbare Schäden. Bei Personenschäden haftet Bosch auch bei leichter Fahrlässigkeit.

**Notes for users**

This catalog contains the data from the vehicles, engines, and equipment for the European market from year of manufacture 1992 up to and including the year 2012. This data has been assembled from information provided by manufacturers and importers, and taken from Bosch documentation, as well as from investigations made on vehicles. It has been compiled to the best of our knowledge and belief, and reflects the status at the date of going to print.

It is impossible to avoid deviations caused by technical changes resulting from the conditions and regulations applying in a particular country. Bosch can therefore accept no liability for the completeness and faultlessness of the data. In case of mistakes and misprints which result in damage to property or assets, Bosch is only liable for immediate damages insofar as a gross breach of duty or wrongful intent apply. If personal injury is involved, Bosch is liable also in case of ordinary negligence.

**A l'attention de l'utilisateur**

Le présent catalogue mentionne les données spécifiques de véhicules, moteurs et appareils pour le marché européen depuis l'année de fabrication 1992 jusqu'au millésime 2012 inclus. Ces informations ont été rassemblées soigneusement et en toute impartialité à partir des indications des constructeurs et importateurs, des contrôles techniques des véhicules et de la documentation Bosch, et matérialisent le stade des connaissances au moment de la mise sous presse.

Des écarts inévitables ne peuvent jamais être complètement exclus en raison des différences spécifiques à chaque pays. Bosch ne peut donc pas à cet égard être tenu responsable de l'exactitude des données. Pour des erreurs et fautes d'impression, qui causeraient des dégâts matériels, Bosch est responsable seulement en cas de violation de ses obligations par faute lourde intentionnelle en ce qui concerne les dommages matériels. En cas de dommages corporels, Bosch peut être également tenu pour responsable dans le cas de faute légère.

**Avvertenze per la consultazione**

Nella seguente parte di catalogo sono contemplati veicoli, motori ed apparecchi a partire dall'anno di costruzione 1992 fino all'anno 2012. Tali informazioni sono state rilevate dalle documentazioni di Case Auto, Importatori, da verifiche eseguite sui veicoli, così come da documentazione Bosch.

Eventuali discordanze dovute a specifiche esigenze del Paese e variazioni tecniche non possono essere previste. Per questo Bosch non si assume alcuna responsabilità per mancanze ed eventuali errori riferite ai dati. Per danni a cose o danni patrimoniali, dovuti ad errori o refusi di stampa, Bosch è responsabile solo in caso di dolo o colpa grave. Per danni alla persona, Bosch è responsabile anche in caso di colpa meno grave.

**Instrucciones para el usuario**

Los datos de este catálogo para vehículos, motores y utensilios del mercado europeo comprenden los años de construcción desde 1992 hasta 2012 inclusive. Éstos son creados para la edición indicada sobre la base de documentos de Bosch, exámenes o inspecciones de vehículos así como datos de fabricantes e importadores.

Las diferentes especificaciones técnicas propias de cada país nunca pueden ser excluidas completamente. Por lo tanto, Bosch en este aspecto, no puede ser responsable de la absoluta exactitud de los datos. En el caso de errores, incluidos los de imprenta, que generen daños ó pérdidas de la propiedad o posesiones, Bosch es responsable únicamente en los casos de violación negligente de sus obligaciones y en el supuesto de intención o dolo para el daño directo. Bosch está también obligado a responder en casos de injurias personales por negligencia.



**ALFA ROMEO**

GT						
1.8	1,8	106	AR32205 <M1>	10.03→	NKE,RBE	
GTV						
1.8	1,8	106	AR 32201 <M1>	05.98-12.00	NKE,RBE	
2.0	2,0	110	AR 32310 <M6>	08.00-12.05	NKE,RBE	
		110/114	AR 16201 <M1>; AR 32301 <M2>	04.95-07.00	NKE,RBE	
Spider						
1.8	1,8	106	AR 32201 <M1>	05.98-07.00	NKE,RBE	
2.0	2,0	110	AR 32310 CF3 <M6>	08.00-02.06	NKE,RBE	
		110/114	AR 16201 <M1>; AR 32301 <M2>	04.95-07.00	NKE,RBE	
75						
1.6	1,6	79	AR 61101 <M3>	08.89-02.92		<b>0 986 356 835 B 835</b>
1.8	1,8	88	AR 06168 <M5>; AR 61201 <M6>	09.88-02.92		<b>0 986 356 835 B 835</b>
2.0	2,0	106/109	AR 06166 KAT <M11>; AR 06224 <M10>	01.87-02.92		<b>0 986 356 878 B 878</b>
						OE SEE
145						
1.3	1,3	68	AR 33501 MPI-Weber <M1>	04.94-11.96		<b>0 986 356 856 B 856</b>
1.4	1,4	76	AR 33503 <M1>	11.96-02.99	NKE,RBE	
				02.99-12.00	NKE,RBE	
1.6	1,6	78 88	AR 33201 MPI-Roch. <M2>	01.95-11.96		<b>0 986 357 269 B W269</b>
			AR 32102 <M6>	02.99-12.00	NKE,RBE	
			AR 67601 <M2>	11.96-02.99	NKE,RBE	
			AR 67601 <M5>	02.99-12.00	NKE,RBE	
1.8	1,8	103	AR 32201 <M10>; AR 32201 <M11>; AR 67106 <M3>	11.96-12.00	NKE,RBE	
2.0	2,0	110	AR 32301 <M15>; AR 32301 Step A <M12>; AR 67204 <M4>	10.95-12.00	NKE,RBE	
146						
1.3	1,3	68	AR 33501 MPI-Weber <U2 M1>	12.94-11.96		<b>0 986 356 856 B 856</b>
1.4	1,4	76	AR 33503 <M1>; AR 33503 <W4 M1>	11.96-12.00	NKE,RBE	
1.6	1,6	76-78 88	AR 33201 MPI-Roch. <U2 M2>	05.95-11.96		<b>0 986 357 269 B W269</b>
			AR 32102 <W4 M6>	02.99-12.00	NKE,RBE	
			AR 67601 <M2>; AR 67601 <W4 M5>	11.96-12.00	NKE,RBE	
1.8	1,8	103	AR 32201 <M11>; AR 32201 <W4 M10>; AR 67106 <M3>	11.96-12.00	NKE,RBE	
2.0	2,0	110	AR 32301 <M12>; AR 32301 <W4 M15>; AR 67204 <M4>	10.95-12.00	NKE,RBE	
147						
1.6	1,6	77/88	AR 32104 <M5>; AR 37203 <M1>	11.00-12.10	NKE,RBE	
2.0	2,0	110	AR 32310 <M10>	11.00-12.10	NKE,RBE	
155						
1.6	1,6	85	AR 67601 <M1>	05.96-10.97	NKE,RBE	
1.8	1,8	100	AR 67106 <M2>	05.96-10.97	NKE,RBE	
2.0	2,0	110	AR 67204 <M3>; AR 67204 <M4>; AR 67299 <M5>	03.95-10.97	NKE,RBE	
156						
1.6	1,6	88	AR32102 <M7>	04.98-09.00	NKE,RBE	
			AR32103 <M2>; AR32103 <M11>; AR32104 CF3 <M10>; AR32104 <M1>; AR32104 <M10>	09.00-12.05	NKE,RBE	
			AR67601 CF2 <M1>; AR67601 <M1>	10.97-09.00	NKE,RBE	
			AR32201 CF2 <M2>; AR32201 <M2>	10.97-09.00	NKE,RBE	
1.8	1,8	106	AR32205 CF3 <M15>; AR32205 <M5>; AR32205 <M15>	09.00-12.05	NKE,RBE	
			AR32310 CF3 <M11>; AR32310 CF3 <M20>; AR32310 <M11>; AR32310 <M20>	09.00-10.05	NKE,RBE	
2.0	2,0	110 114	AR32301 CF2 <M3>; AR32301 <M3>	10.97-09.00	NKE,RBE	
164						
2.0	2,0	102/107	AR 06416 <M2>; AR 06420 <M1>	06.87-09.92	RBV	
3.0	3,0	132/136-140/ 147	AR 06410 <M3>; AR 06412 <M4>; AR 64301 <M5>	06.87-09.92	RBV	
166						
2.0	2,0	114	AR 34103 <M1>	10.98-09.00	NKE,RBE	
			AR 36301 <M2>	09.00-10.07	NKE,RBE	





1 2 3 4 5 6 7 8

**ALFA ROMEO**

**GT**

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

**GTV**

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

**Spider**

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0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

**75**

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0 986 356 006 0 986 356 008 0 986 356 010 0 986 356 010

0 986 356 049

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0 986 356 046

**145**

0 356 912 860 0 356 912 862 0 356 912 862 0 356 912 860

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0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 860 0 356 912 862 0 356 912 862 0 356 912 860

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

**146**

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

**147**

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

**155**

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

**156**

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

**164**

1 354 464 312 1 354 464 312 1 354 464 312 1 354 464 312

1 354 464 335 1 354 464 335 1 354 464 335 1 354 464 335 1 354 464 335 1 354 464 335

**166**

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981





**AUDI**

**A2**

1.4	1,4	55	AUA	09.99-04.02	0 986 356 308	B 308
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**A3**

1.6	1,6	74	AEH; AKL; APF	09.96-06.01	0 986 356 359	B 359
		75	AVU; BFQ; BGU; BSE <MW6>; BSF <MW6>; CCSA <MW6>; CMXA <MW6>	05.00→	0 986 356 346	B 346

1.8	1,8	92	AGN	09.96-06.97	0 986 356 305	B 305
				06.97-09.06	0 986 356 337	B 337
			APG	08.98-04.03	0 986 356 337	B 337

**A3 Sportback/Cabriolet**

1.6	1,6	75	BGU; BSE <MW6>; BSF <MW6>; CCSA <MW6>; CMXA <MW6>	09.04→	0 986 356 346	B 346
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**A4 (B5)**

1.6	1,6	74	ADP	11.94-10.96	0 986 356 304	B 304
			AHL	10.96-07.99	0 986 356 359	B 359
			ANA	08.98-06.00	0 986 356 359	B 359
			ARM	08.98-10.00	0 986 356 359	B 359
		75	ALZ	06.00-09.01	0 986 356 359	B 359
2.4	2,4	110	AFM	07.95-07.97	0 986 356 302	B 302
		120/121	AGA; AJG; ALF; AML; APS; APZ; ARJ	08.97-09.01	0 986 356 321	B 321
2.6	2,6	110	ABC	11.94-07.98	0 986 356 302	B 302
2.8	2,8	128	AAH	11.94-07.97	0 986 356 302	B 302
		142	ACK; ALG; AMX; APR; AQD	03.96-09.01	0 986 356 321	B 321

**A4 (B6)**

1.6	1,6	75	ALZ	10.00-12.04	0 986 356 359	B 359
2.4	2,4	120/125	AMM; BDV	04.01-12.05	0 986 356 321	B 321

**A4 (B7)**

1.6	1,6	75	ALZ	11.04-06.08	0 986 356 359	B 359
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**A6 (C4,C5)**

2.0	2,0	74/79/85	AAE; ABK; ADW	06.94-10.97		
		96	ALT	06.01-01.05	0 986 356 321	B 321
2.3	2,3	98	AAR	06.94-10.97	0 986 356 340	B 340
2.4	2,4	100/115/120/121/125	AGA; AJG; ALF; ALW; AML; AMM; APC; APS; APZ; ARJ; ARN; ASM; BDV	04.97-01.05	0 986 356 321	B 321
		110	AFM	07.95-10.97	0 986 356 302	B 302
2.6	2,6	102/110	ABC; ACZ	06.94-10.97	0 986 356 302	B 302
2.8	2,8	120	AEJ	06.94-10.97	0 986 356 302	B 302
		128	AAH	06.94-10.97	0 986 356 302	B 302
		132/140/142	AGE; ALG; AMX; APR; AQD; ATX	06.97-05.01	0 986 356 321	B 321
		142	ACK	10.95-10.97	0 986 356 302	B 302
				04.97-12.98	0 986 356 321	B 321

**A8 (D2,D3,D4)**

2.8	2,8	120	AEJ	07.95-03.96	0 986 356 302	B 302
		128	AAH	06.94-03.96	0 986 356 302	B 302
		142	ACK	03.96-12.98	0 986 356 321	B 321
			ALG; AMX; APR; AQD	10.97-09.02	0 986 356 321	B 321

**Cabriolet**

2.0	2,0	85	ABK	01.93-09.98	0 986 356 317	B 317
2.3	2,3	98	NG	06.91-07.94	0 986 356 340	B 340
2.6	2,6	102/110	ABC; ACZ	01.94-08.00	0 986 356 302	B 302
2.8	2,8	128	AAH	11.92-08.00	0 986 356 302	B 302

**Coupe (B2,B3)**

1.8	1,8	82	DZ	08.89-07.91		
2.0	2,0	85	AAD	08.90-07.91	0 986 356 317	B 317
			ABK	09.91-12.95	0 986 356 317	B 317
			KV	11.88-07.91	0 986 356 340	B 340
2.3	2,3	98	NG	11.88-07.94	0 986 356 340	B 340
2.6	2,6	110	ABC	08.92-12.95	0 986 356 302	B 302
2.8	2,8	128	AAH	08.91-12.95	0 986 356 302	B 302

**80**

1.6	1,6	51/55	PP; RN	09.86-12.91	0 986 356 317	B 317
		52	ABM	01.92-08.94	0 986 356 317	B 317







1 2 3 4 5 6 7 8

**AUDI**

**A2**

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

**A3**

0 986 357 741 0 986 357 741 0 986 357 740 0 986 357 739

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

**A3 Sportback/Cabriolet**

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

**A4 (B5)**

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

**A4 (B6)**

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

**A4 (B7)**

**A6 (C4,C5)**

0 356 912 883 0 356 912 883 0 356 912 883 0 356 912 883 0 356 904 061

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

0 356 912 987 0 356 912 888 0 356 912 887 0 356 912 886 0 356 912 886 0 356 904 070

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

**A8 (D2,D3,D4)**

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

**Cabriolet**

0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061

0 356 912 987 0 356 912 888 0 356 912 887 0 356 912 886 0 356 912 886 0 356 904 070

**Coupe (B2,B3)**

0 356 912 888 0 356 912 886 0 356 912 886 0 356 912 886 0 356 904 061

0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061

0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061

0 356 912 987 0 356 912 888 0 356 912 887 0 356 912 886 0 356 912 886 0 356 904 070

0 356 912 987 0 356 912 888 0 356 912 887 0 356 912 886 0 356 912 886 0 356 904 070

**80**

0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061

0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061





◀ AUDI

1.6	1,6	74	ADA	06.93-07.95		
		75	ABB	08.90-12.91		
1.8	1,8	66	NE; PM	08.86-12.91	0 986 356 317	B 317
		66/82	DZ; JN	09.86-12.91	0 986 356 317	B 317
TW						
2.0	2,0	66/85	AAD; ABK; ABT	08.90-07.95	0 986 356 317	B 317
2.3	2,3	98	NG	04.87-11.94	0 986 356 340	B 340
2.6	2,6	102/110	ABC; ACZ	07.92-07.95	0 986 356 302	B 302
2.8	2,8	128	AAH	09.91-07.95	0 986 356 302	B 302
<b>90</b>						
1.8	1,8	82	DZ	08.89-12.91	0 986 356 317	B 317
2.0	2,0	85	PS	05.87-12.91	0 986 356 340	B 340
2.2	2,2	98	KV	04.87-12.91	0 986 356 340	B 340
2.3	2,3	98	NG	04.87-12.91	0 986 356 340	B 340
<b>100</b>						
1.6	1,6	75	ABB	03.92-01.94		
2.0	2,0	74	AAE	12.90-07.94		
		85	AAD	12.90-12.92		
			ABK	01.93-07.94		
2.3	2,3	98	AAR	12.90-07.94	0 986 356 340	B 340
		100	NF	08.86-08.91		
2.6	2,6	102/110	ABC; ACZ	03.92-07.94	0 986 356 302	B 302
2.8	2,8	128	AAH	12.90-07.94	0 986 356 302	B 302
<b>200</b>						
2.2	2,2	121	MC	08.85-12.91	0 986 356 340	B 340

**AUSTIN**

**Maestro**

1.3	1,3	45-47/49/50-51	A Plus; 12 H	03.83-09.92		
		46-49	12 H <A Plus>	03.83-09.92		
1.6	1,6	63/72	S Series; 16 H	03.83-09.92		
2.0	2,0	83	EFI O Series	10.84-09.92		

**Mini**

1.0	1,0	29/31/33	A Plus	01.82-09.92	0 986 356 844	B 844
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**AUTOBIANCHI**

**Y 10**

1.0	1,0	33	156 A 2.246; 156 A 2.256 KAT	01.89-09.92	0 986 356 853	B 853
1.3	1,3	53	146 A 5.046 MPI <ZM M2>	09.92-12.95		
					CSA	0 986 357 131 B 131

**BMW**

**Serie Z3 (E36/7;E36/8)**

Z3	1,8	85	18 4E 2 <M 43 B 18>	03.95-12.98	0 986 356 361	B 361
	1,9	87	19 4E 1 <M 43 B 19>	09.98-09.02	0 986 356 361	B 361
		103	19 4S 1 <M 44 B 19>	09.95-12.99	0 986 356 307	B 307

**Serie 3 (E30)**

316	1,6	73-75	16 4E 1 <M 40 B 16>	09.88-06.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
318	1,8	83-85	18 4E 1 <M 40 B 18>	09.87-06.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
320	2,0	90-95	20 6E E/20 6K A <M 20 B 20>	10.87-12.93	0 986 356 323	B 323	
325	2,5	125	25 6K 1 <M 20 B 25 Kat.>	12.86-03.93	0 986 356 326	B 326	
				07.87-12.93	0 986 356 323	B 323	
				03.86-02.91	0 986 356 326	B 326	
		126	25 6E 1/2 <M 20 B 25>	10.87-01.93	0 986 356 323	B 323	



1	2	3	4	5	6	7	8
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 062
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 061
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883				0 356 904 061
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883				0 356 904 061
0 356 912 888	0 356 912 886	0 356 912 886	0 356 912 886				0 356 904 061
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883				0 356 904 061
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070

90							
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883				0 356 904 061
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070

100							
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 061
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 062
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 061
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 061
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070
0 356 912 945	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070

200							
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070

**AUSTIN**

Maestro							
0 986 356 032	0 986 356 033	0 986 356 032	0 986 356 032				0 986 356 042
0 986 356 033	0 986 356 032	0 986 356 032	0 986 356 032				0 986 356 042
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032				0 986 356 042
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032				0 986 356 042

Mini							
0 986 356 032	0 986 356 033	0 986 356 032	0 986 356 032				0 986 356 038

**AUTOBIANCHI**

Y 10							
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055				0 986 356 004
0 986 356 019	0 986 356 017	0 986 356 017	0 986 356 019				0 986 356 040

**BMW**

Serie Z3 (E36/7;E36/8)

Serie 3 (E30)





◀ BMW

Serie 3 (E36)							
316	1,6	64-75	16 4E 2 <M 43 B 16>; 16 4E 2 <M 43 B 16..Gas CNG>	09.93-09.00		0 986 356 361	B 361
		73-75	16 4E 1 <M 40 B 16>	09.90-02.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
	1,9	77	19 4E 1 <M 43 B 19>	12.98-09.00	MMS	0 986 356 310	B 310
318	1,8	83-85	18 4E 1 <M 40 B 18>	12.90-02.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
		85	18 4E 2 <M 43 B 18>	09.93-12.99		0 986 356 361	B 361
		103	18 4S 1 <M 42 B 18>	10.93-12.96		0 986 356 307	B 307
	1,9	103	19 4S 1 <M 44 B 19>	03.95-09.00		0 986 356 307	B 307
Serie 3 (E46)							
316	1,6	75	16 4E 3 <M 43 B 16>	04.98-09.02	MMS	0 986 356 310	B 310
	1,8	85	N42 B18A <NG4>	06.01-03.04	MMS	0 986 356 310	B 310
	1,9	77	19 4E 1 <M 43 B 19>	04.98-09.02	MMS	0 986 356 310	B 310
318	1,9	87	19 4E 1 <M 43 B 19>	04.98-09.01	MMS	0 986 356 310	B 310
Serie 5 (E34)							
518	1,8	75-85	18 4E 2 <M 43 B 18>; 18 4E 2 <M 43 B 18..Gas CNG>	09.90-12.96	MMS	0 986 356 310	B 310
		83-85	18 4E 1 <M 40 B 18>	09.89-12.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
535	3,5	155	34 6K B <M 30 B 35>	11.88-04.93		0 986 356 324	B 324
Serie 7 (E32)							
730	3,0	136-145	30 6K A <M 30 B 30>	10.88-06.94		0 986 356 324	B 324
735	3,4	155-162	34 6E C/K B <M 30 B 35>	02.88-12.92		0 986 356 327	B 327

CHEVROLET

Aveo							
1.2	1,2	53	F12S3	02.06-10.08		0 986 357 285	B 285
Ipanema							
2.0	2,0	90	C20NE <SOHC MPFI>	12.96-12.97		F 000 99C 128	CS
Kalos							
1.2	1,2	53	B12S1	02.05-04.08		0 986 357 285	B 285
1.4	1,4	61	F14S3	02.05-09.06		0 986 356 980	B 980
Lanos							
1.5	1,5	63	A15SMS <E-TEC>	01.04→		0 986 356 980	B 980
Matiz							
1.0	1,0	48	B10S1	02.05-12.10		0 986 357 285	B 285
Spark							
1.0	1,0	47/48	B10S1	01.98→		0 986 357 285	B 285

CHRYSLER

Le Baron							
2.5	2,5	72	EDM	01.88-08.92		0 986 356 834	B 834
Neon							
1.8	1,8	85	EBD	09.97-12.00		0 986 357 270	B W270
2.0	2,0	98/107-109/112	ECB; ECC	06.94-12.05		0 986 357 270	B W270
New Yorker							
3.5	3,5	160	F MPI <F01>	04.93-09.99		0 986 357 248	B 248
PT Cruiser							
2.0	2,0	100-104	ECC	06.00-12.05		0 986 357 052	B 052
2.4	2,4	105-112	EDZ	06.00-12.10		0 986 357 052	B 052
Stratus							
2.0	2,0	96-98	ECB,ECO <C MPI>	08.95-04.01		0 986 357 270	B W270
2.4	2,4	118	EDZ; EDZ <X MPI>; EDZ,EDO <X MPI>	08.95-04.01		0 986 357 270	B W270
Voyager							
2.0	2,0	98	ECO,ECB	08.96-12.00		0 986 357 270	B W270
2.4	2,4	108	EDZ	01.01-12.02		0 986 357 270	B W270
				01.03-12.07		0 986 357 052	B 052
				08.96-12.00		0 986 357 270	B W270



1 2 3 4 5 6 7 8

**Serie 3 (E36)**

0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704

**Serie 3 (E46)**

0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704  
 0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704  
 0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704  
 0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704

**Serie 5 (E34)**

0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704

**Serie 7 (E32)**

**CHEVROLET**

Aveo

Ipanema

Kalos

Lanos

Matiz

Spark

**CHRYSLER**

Le Baron

Neon

New Yorker

PT Cruiser

Stratus

Voyager





◀ CHRYSLER

2.5	2,5	72-74	EFI <EDM>	04.92-08.93		0 986 356 834	B 834
3.0	3,0	104-108	A EFI <EFA>	01.88-09.93		0 986 356 714	B 714
3.3	3,3	110/116/120	EFI <EGA>; EG...; EGA	09.90-12.99		0 986 357 248	B 248
3.8	3,8	122/131	EGH,EGO; EGO,EGH	01.97-12.00		0 986 357 248	B 248

CITROEN

AX

1.0	1,0	31-33	CDY Kat. <TU9M>	07.92-12.94	WW	0 986 357 240	B W240	
				07.92-12.98		0 986 356 830	B 830	
		32-34	C1A <TU9>	10.86-06.92		0 986 356 889	B 889	
		37	CDZ Kat. <TU9M>	07.92-12.98	MZV	0 986 356 830	B 830	
					MZV,WW	0 986 357 240	B W240	
				01.95-12.98	MZV	0 986 356 889	B 889	
1.1	1,1	40	H1A <TU1>	10.86-05.92		0 986 356 889	B 889	
		40-44	HDZ Kat. <TU1M>	10.89-05.92		0 986 356 889	B 889	
					WW	0 986 357 251	B W251	
		44	HDY Kat. <TU1M>	06.92-06.98		0 986 356 830	B 830	
					WW	0 986 357 240	B W240	
1.4	1,4	51-55	K1G <TU3A>	04.88-06.91		0 986 356 889	B 889	
		55	KDX Kat.(Gußmot.) <TU3FM>	01.93-12.96		0 986 356 830	B 830	
					WW	0 986 357 240	B W240	
		55-58	KDY Kat. <TU3M>; KDY Kat.(Gußmot.) <TU3FM>	06.90-12.92		0 986 356 889	B 889	
					WW	0 986 357 251	B W251	
					12.92-12.96		0 986 356 830	B 830
						WW	0 986 357 240	B W240
		62-65	K2A <TU3S>; K2B <TU3S>	10.87-12.92		0 986 356 889	B 889	
			WW	0 986 357 251	B W251			
		66/69-70	KFY Kat. <TU3FJ>; KFZ Kat. <TU3FJ>	05.91-12.96		0 986 356 830	B 830	
				WW	0 986 357 240	B W240		
		70-74	K6B <TU3FJ2>	05.91-12.96		0 986 356 830	B 830	
					WW	0 986 357 240	B W240	

Berlingo

1.4	1,4	55	KFX <TU3JP>	07.96-11.02		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.8	1,8	66	LFX <XU7JB>	03.97-11.02		0 986 356 767	B 767

BX

11	1,1	40	H1A <TU1/K>	06.88-06.91		0 986 356 889	B 889
14	1,4	49-52	K1G <TU3A/K>	06.87-09.93	ZVD		
					ZVS	0 986 356 889	B 889
		50	K1F <TU3A/N>	07.88-12.94		0 986 356 889	B 889
		55	KDY Kat. <TU3M/Z>	06.90-12.92		0 986 356 889	B 889
					WW	0 986 357 251	B W251
						12.92-09.93	0 986 356 830
					WW	0 986 357 240	B W240
			K2D <TU3.2/K>	09.91-09.93		0 986 356 889	B 889
15	1,6	53	B1E <XU51C/W>	09.88-12.94		0 986 356 803	B 803
16	1,6	58	B1A/E,B1F <XU51C/K>	09.88-02.93		0 986 356 794	B 794
		64/76/83-85	B6D,B6E <XU5JA/K>; 171D <XU5STR>; 180Z <XU5J>	09.88-12.94		0 986 356 794	B 794
		65	BDY Kat. <XU5M>	04.91-12.94		0 986 356 767	B 767
		67	B2C <XU52C/K>	02.88-12.94	ZVD	0 986 356 851	B 851
				ZVS	0 986 356 794	B 794	
19	1,9	79	D2E,D2F <XU92C>	09.88-09.93	ZVS	0 986 356 794	B 794
		88	DKZ Kat. <XU9JAZ>	06.88-03.93	ZMB	0 986 356 851	B 851
					ZMS	0 986 356 794	B 794
		90	D6D <XU9J2/K>	07.90-09.93	ZMB		
					ZMS	0 986 356 803	B 803
		108	DFW Kat. <XU9J4/Z>	03.88-03.93		0 986 356 751	B 751
		116	D6C <XU9J4/K>	07.87-12.92		0 986 356 751	B 751

C 15

E 1.0	1,0	32	C1A <TU9>	07.88-12.97		0 986 356 889	B 889
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1	2	3	4	5	6	7	8
0 986 356 004	0 986 356 006	0 986 356 008	0 986 356 008	0 986 356 008	0 986 356 010		0 986 356 042

**CITROEN**

**AX**

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

**Berlingo**

**BX**

0 986 356 061

0 986 356 042

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 057

0 986 356 063

0 986 356 063

0 986 356 040

0 986 356 063

0 986 356 063

0 986 356 040

0 986 356 063

0 986 356 062   0 986 356 063   0 986 356 064   0 986 356 064

0 986 356 008

0 986 356 057

**C 15**

0 986 356 061





◀ CITROEN

<b>E1.1</b>	1,1	44	HDZ Kat. <TU1M>; H1A <TU1>	07.88-12.92		<b>0 986 356 889</b>	<b>B 889</b>
					WW	<b>0 986 357 251</b>	<b>B W251</b>
						<b>0 986 356 830</b>	<b>B 830</b>
				12.92-12.96	WW	<b>0 986 357 240</b>	<b>B W240</b>
						<b>0 986 356 889</b>	<b>B 889</b>
<b>E1.4</b>	1,4	51	K1G <TU3A>	07.87-12.96		<b>0 986 356 889</b>	<b>B 889</b>
<b>CX</b>							
<b>20</b>	2,0	74-78	829 A5, J6RA500	07.82-12.92			
<b>22</b>	2,2	83-85	J6T A500	07.85-12.92			
<b>25</b>	2,5	89-98/116/122	M25-666 <EN5TE>; M25-667 Kat. <EN5TE>; M25-668 Kat. <EN5L>	05.86-12.92			
<b>C25</b>							
<b>25</b>	1,8	49-51	XM7T <169B>	01.85-03.94		<b>0 986 356 795</b>	<b>B 795</b>
						<b>0 986 356 795</b>	<b>B 795</b>
						<b>0 986 356 795</b>	<b>B 795</b>
	2,0	55-60	XN1T <170A/B>	09.81-12.92			
		60-63	XN1TA <170C/D>	09.81-03.94		<b>0 986 356 795</b>	<b>B 795</b>
<b>Evasion</b>							
<b>2.0</b>	2,0	89-90/108-110	RFU <XU10J2>; RGX <XU10J2TE>	06.94-07.02		<b>0 986 356 727</b>	<b>B 727</b>
<b>Saxo</b>							
<b>1.0</b>	1,0	33/37	CDY <TU9M>; CDZ <TU9M>	02.96-09.03		<b>0 986 356 830</b>	<b>B 830</b>
					WW	<b>0 986 357 240</b>	<b>B W240</b>
<b>1.1</b>	1,1	40-44	HDY <TU1M+>; HDZ <TU1M+>	02.96-09.03		<b>0 986 356 830</b>	<b>B 830</b>
					WW	<b>0 986 357 240</b>	<b>B W240</b>
<b>1.4</b>	1,4	55	KFX <TU3JP>	02.96-09.03		<b>0 986 356 830</b>	<b>B 830</b>
					WW	<b>0 986 357 240</b>	<b>B W240</b>
<b>1.6</b>	1,6	65-66	NFZ <TU5JP>	02.96-09.03		<b>0 986 356 830</b>	<b>B 830</b>
					WW	<b>0 986 357 240</b>	<b>B W240</b>
<b>Visa</b>							
<b>0.6</b>	,6	24/25/26	V06/630; V06/644; V06/665	07.82-03.91			
<b>1.6</b>	1,6	83	B6D	06.86-03.91		<b>0 986 356 725</b>	<b>B 725</b>
<b>Xantia</b>							
<b>1.6</b>	1,6	65-66	BFZ <XU5JP/Z, L3>	03.93-01.98		<b>0 986 356 767</b>	<b>B 767</b>
						<b>0 986 356 767</b>	<b>B 767</b>
		66	BFZ <XU5JP/L3>	03.98-12.01		<b>0 986 356 767</b>	<b>B 767</b>
<b>1.8</b>	1,8	66/70-71/ 74-76/81	LFX <XU7JB>; LFX <XU7JB/L3>; LFX Kat. <XU7JP4/L3>; LFX <XU7JP4>; LFZ Kat. <XU7JP/Z, L3>; L6A <XU7JP/K>	03.93-12.01		<b>0 986 356 767</b>	<b>B 767</b>
						<b>0 986 356 767</b>	<b>B 767</b>
<b>2.0</b>	2,0	89-90/91-92	RFX Kat. <XU10J2C/Z, L3>; RFX <XU10J2C/L3>; R6D <XU10J2C/K>	03.93-12.01		<b>0 986 356 727</b>	<b>B 727</b>
						<b>0 986 356 727</b>	<b>B 727</b>
		97	RFV <XU10J4R>	09.95-01.98		<b>0 986 356 727</b>	<b>B 727</b>
<b>XM</b>							
<b>2.0</b>	2,0	85	R2A <XU102C>	05.89-06.94		<b>0 986 357 123</b>	<b>B 123</b>
						<b>0 986 356 727</b>	<b>B 727</b>
						<b>0 986 356 727</b>	<b>B 727</b>
						<b>0 986 356 727</b>	<b>B 727</b>
		89-90/97-99/ 104-107/ 108-110	RFV <XU10J4R>; RFZ Kat. <XU10J2Z>; RGY <XU10J2TE>; RGY <XU10J2TE/Z>	05.89-10.00		<b>0 986 356 727</b>	<b>B 727</b>
		90-96	R6A <XU10J2>; R6A <XU10J2K>	05.89-10.00		<b>0 986 356 727</b>	<b>B 727</b>
<b>Xsara</b>							
<b>1.4</b>	1,4	55	KFX <TU3JP>	07.97-08.00		<b>0 986 356 830</b>	<b>B 830</b>
					WW	<b>0 986 357 240</b>	<b>B W240</b>
<b>1.6</b>	1,6	65-66	NFZ <TU5JP>	07.97-08.00		<b>0 986 356 830</b>	<b>B 830</b>
					WW	<b>0 986 357 240</b>	<b>B W240</b>
<b>1.8</b>	1,8	66/74-75/ 81-82	LFX <XU7JB>; LFX <XU7JP4>; LFZ <XU7JP>	07.97-08.00		<b>0 986 356 767</b>	<b>B 767</b>
<b>ZX</b>							
<b>1.1</b>	1,1	40-44	H1A, H1B <TU1/K>	03.91-08.96		<b>0 986 356 889</b>	<b>B 889</b>
						<b>0 986 356 889</b>	<b>B 889</b>
						<b>0 986 357 251</b>	<b>B W251</b>
						<b>0 986 356 830</b>	<b>B 830</b>
		44	HDZ Kat. <TU1M>	10.91-12.92		<b>0 986 356 889</b>	<b>B 889</b>
				12.92-03.94	WW	<b>0 986 357 240</b>	<b>B W240</b>
<b>1.4</b>	1,4	55	KDX Kat. <TU3MC/Z>	08.92-12.92		<b>0 986 356 889</b>	<b>B 889</b>
						<b>0 986 357 251</b>	<b>B W251</b>
						<b>0 986 356 830</b>	<b>B 830</b>
						<b>0 986 357 240</b>	<b>B W240</b>
			KDY, HDY Kat. <TU3M/Z>	03.91-08.92		<b>0 986 356 889</b>	<b>B 889</b>
			KFX <TU3JP>	05.96-10.97		<b>0 986 356 830</b>	<b>B 830</b>
					WW	<b>0 986 357 240</b>	<b>B W240</b>
			K2D <TU3.2/K>; K5A <TU3.2/Z>	03.91-12.95		<b>0 986 356 889</b>	<b>B 889</b>
<b>1.6</b>	1,6	65-66	BDY Kat. <XU5M/4Z>; BFZ Kat. <XU5JP>; B4A <XU5M/4K>; NFZ <TU5JP>	03.91-10.97		<b>0 986 356 767</b>	<b>B 767</b>
<b>1.8</b>	1,8	74-76	LFZ Kat. <XU7JP>; L6A <XU7JP>	07.92-10.97		<b>0 986 356 767</b>	<b>B 767</b>



1	2	3	4	5	6	7	8
							0 986 356 061
							0 986 356 061
							CX
0 986 356 021	0 986 356 019	0 986 356 017	0 986 356 017				0 986 356 046
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 025				0 986 356 049
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 025				0 986 356 049
							C25
							Evasion
0 986 356 130	0 986 356 131	0 986 356 131	0 986 356 132				Saxo
							Visa
0 986 356 062	0 986 356 063						0 986 356 044
							Xantia
0 986 356 130	0 986 356 131	0 986 356 135	0 986 356 132				
0 986 356 130	0 986 356 131	0 986 356 131	0 986 356 132				
							XM
0 986 356 130	0 986 356 131	0 986 356 131	0 986 356 132				0 986 356 058
0 986 356 130	0 986 356 131	0 986 356 131	0 986 356 132				
							Xsara
							ZX
							0 986 356 061
							0 986 356 061
							0 986 356 061
							0 986 356 061
							0 986 356 061





◀ CITROEN

1.9	1,9	88-90/93-96	DKZ,DFY Kat. <XU9JAZ>; D6E <XU9JA/K>	03.91-10.97	0 986 356 767	B 767
2.0	2,0	89	RFX Kat. <XU10J2CZ>	07.92-10.97	0 986 356 727	B 727

**DACIA**

**Dokker**

1.6	1,6	61	K7M 812	07.12→	0 986 357 256	B W256
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**Lodgy**

1.6	1,6	61	K7M 812	03.12→	0 986 357 256	B W256
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**Logan**

1.4	1,4	55	K7J 71...	07.04→	0 986 357 256	B W256
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1.6	1,6	62/64	K7M 7...; K7M 8...; K7M 800	07.04→	0 986 357 256	B W256
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**Sandero**

1.4	1,4	55	K7J 71...	06.08→	0 986 357 256	B W256
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1.6	1,6	62	K7M 8...	11.10→	0 986 357 256	B W256
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**Serie 1300**

1310	1,3	40	810-99	01.79-12.98	0 986 357 049	B 049
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	1,4	48	102-13	01.94-12.96	0 986 357 049	B 049
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**DAEWOO**

**Cielo**

1.5	1,5	59	G15MF	01.95-11.01	0 986 356 972	B 972
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**Espero**

1.5	1,5	65		09.93-12.94	0 986 356 739	B 739
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		66	A15MF	01.95-10.99	0 986 356 975	B 975
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1.8	1,8	66-70	C18LE	01.95-10.99	0 986 356 739	B 739
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2.0	2,0	74	C20LZ	09.91-10.93	0 986 356 739	B 739
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		77	C20LE	01.95-10.99	0 986 356 739	B 739
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		81	C20LE	09.93-10.94	0 986 356 739	B 739
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**Kalos**

1.2	1,2	53	B12S1 <LQ5>	04.03-01.05	0 986 357 285	B 285
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1.4	1,4	61	F14S3	09.02-01.05	0 986 356 980	B 980
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**Korando**

3.2	3,2	162	M162 E32 <MB-M 104.>	07.96-12.00	F 005 X13 852	
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**Lanos**

1.4	1,4	55	A14SMS <E-TEC>	04.97-09.03	0 986 356 980	B 980
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1.5	1,5	63/74	A15SMS; A15SMS <E-TEC>	11.96-09.03	0 986 356 980	B 980
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1.6	1,6	78	A16DMS; A16DMS <E-TEC>	04.97-09.03	0 986 356 987	B 987
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**Leganza**

2.0	2,0	98-117	X20SED	03.97-12.02	0 986 356 986	B 986
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**LeMans**

1.5	1,5	55/63-65/66	Opel-G 15 CF; Opel-G 15 MF; Opel-G 15 SF	06.86-03.94	0 986 356 739	B 739
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		73	A15MF	04.93-10.96	0 986 356 884	B 884
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**Matiz**

0.8	0,8	37,5	F8CV	01.01→	MZV	0 986 356 988	B 988
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		38	F8CV	04.98-01.05	MZV	0 986 356 988	B 988
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				11.98-07.02		0 986 356 988	B 988
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1.0	1,0	47	B10S	01.01→	0 986 357 285	B 285
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**Musso**

3.2	3,2	162	M162 E32 <MB-M 104.992>	01.96-12.00	F 005 X13 852	
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**Nexia**

1.5	1,5	44/52/55-57	G15MF	12.94→	0 986 356 972	B 972
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		58,9	A15SMS	01.95→	0 986 356 980	B 980
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		62,5/66-67	A15MF	11.94→	0 986 356 975	B 975
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**Nubira**

1.6	1,6	76-78	A16DMS <L44>	09.97-06.03	0 986 356 987	B 987
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**Rezzo**

1.6	1,6	74-77	A16DMS	09.00-01.05	0 986 356 987	B 987
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**Tico**

0.8	0,8	30-35/38	F8C; F8CV	06.91-01.05	0 986 356 988	B 988
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1 2 3 4 5 6 7 8

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132

**DACIA**

Dokker

Lodgy

Logan

Sandero

Serie 1300

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019  
 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 042  
 0 986 356 042

**DAEWOO**

Cielo

Espero

0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061  
 0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061  
 0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061  
 0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061  
 0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061

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 0 986 356 061

Kalos

Korando

Lanos

Leganza

LeMans

0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061

0 986 356 061

Matiz

Musso

Nexia

Nubira

Rezzo

Tico





**DAIHATSU**

Applause										
1.6	1,6	66-67	HDCF		06.89-07.97					
		73	HDE <Kat.>		09.97-04.00					
		77	HDE <Kat.>		06.89-07.97					
Charade										
1.0	1,0	38	CB		11.90-12.92			0 986 357 168	B 168	
1.3	1,3	44-62	HC <Kat.>		01.93-11.99			0 986 357 202	B 202	
		60-66	HCC		11.90-12.92					
		62	HCE <Kat.>		01.93-09.00			0 986 357 202	B 202	
		66	HCE <Kat.>		11.90-12.92					
1.5	1,5	55/66	HEE <Kat.>; HEEG		06.94-09.00			0 986 357 202	B 202	
1.6	1,6	77	HDE <Kat.>		01.93-09.00			0 986 357 202	B 202	
Cuore										
850	0,8	31-32	ED20		08.94-12.96	LLE		0 986 357 222	B 222	
Domino										
0.9	0,9	32	ED10		11.86-12.96					
Feroza										
1.6	1,6	63/70	HDC; HDE; HDE <Kat.>		10.88-10.99					
Gran Move										
1.5	1,5	66	HEEG		11.96-03.00			0 986 357 202	B 202	
Move										
850	0,9	31	ED20		01.97-12.00			0 986 357 222	B 222	

**DODGE**

Caravan										
2.0	2,0	98			01.95-03.01			0 986 357 270	B W270	
2.5	2,5	72	EDM		01.88-08.95			0 986 356 834	B 834	
3.8	3,8	122/131	EGH		01.95-03.01			0 986 357 248	B 248	
Neon										
2.0	2,0	98	ECB		09.99-08.05			0 986 357 270	B W270	
		112	ECH		09.00-08.05			0 986 357 270	B W270	
Spirit										
2.5	2,5	74	EDM		10.88-08.93			0 986 356 834	B 834	

**FIAT**

Albea										
1.2	1,2	44	188 A4.000 <M6>		01.02→					
		57-59	188 A5.000 <M10>		01.02→			0 986 357 181	B 181	
1.4	1,4	57	350 A1.000 <M13>		07.06→			0 986 357 286	B 286	
1.6	1,6	76	182 B6.000 <M21>		01.02→			0 986 357 261	B W261	
						WW	0 986 356 787	B 787		
Brava										
1.2	1,2	60	182 B2.000 <M1>; 188 A5.000 <M2>		11.98-09.01			0 986 357 181	B 181	
1.4	1,4	55/59	182 A3.000 <M1>; 182 A5.000 <M2>		10.95-10.98	RBE		0 356 912 881	ES 881	
1.6	1,6	66/75/76/77	182 A4.000 <M3>; 182 A4.000 <M5>; 182 A4.027 <M5>; 182 A4.027 <M6>; 182 A6.000 <M4>; 182 B6.000 <M8>		10.95-12.01			0 986 357 261	B W261	
						WW	0 986 356 787	B 787		
Bravo										
1.2	1,2	60	182 B2.000 <M1>; 188 A5.000 <M2>		11.98-09.01			0 986 357 181	B 181	
1.4	1,4	55/59	182 A3.000 <M1>; 182 A5.000 <M2>		10.95-10.98	RBE		0 356 912 881	ES 881	
1.6	1,6	66/75	178 A8.011 <M6>; 182 A4.000 <M3>; 182 A4.000 <M5>; 182 A6.000 <M4>; 182 B6.000 <M8>		10.95-09.01			0 986 357 261	B W261	
						WW	0 986 356 787	B 787		
1.8	1,8	83	182 A2.000 <M5>		10.95-10.98			0 986 357 261	B W261	
						WW	0 986 356 787	B 787		
Cinquecento										
1.1	1,1	40	176 B2.000 <M6>		10.94-07.98			0 986 356 754	B 754	
700	0,7	22/23	170 A.000 <M1>; 170 A.046 <M4>		07.91-07.98			0 986 356 752	B 752	





1 2 3 4 5 6 7 8

**DAIHATSU**

				Applause
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044

				Charade
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044

			Cuore
0986 356 025	0986 356 025	0986 356 023	0986 356 044

			Domino
0986 356 008	0986 356 008	0986 356 006	0986 356 042

				Feroza
0986 356 173	0986 356 172	0986 356 171	0986 356 170	0986 356 040

				Gran Move
0986 356 025	0986 356 025	0986 356 023		0986 356 044

**DODGE**

Caravan

Neon

Spirit

**FIAT**

				Albea
0986 356 267	0986 356 266	0986 356 265	0986 356 264	

Brava

Bravo

				Cinquecento
0986 356 267	0986 356 266	0986 356 265	0986 356 264	
0986 356 032	0986 356 032			





◀ FIAT

<b>900</b>	0,9	29/30/31	170 A1.000 <M2>; 170 A1.046 <M3>; 1170 A1.000 <M7>; 1170 A1.046 <M5>	07.91-07.98		<b>0 986 356 717</b>	<b>B 717</b>
<b>Coupé</b>							
<b>2.0</b>	2,0	104	836 A3.000 <M1>; 836 A3.011 <M3>	04.94-09.96		<b>0 986 356 791</b>	<b>B 791</b>
		143	175 A1.000 <M2>	04.94-09.96		<b>0 986 356 709</b>	<b>B 709</b>
<b>Croma</b>							
<b>2.0</b>	2,0	74	154 C5.000 CHT	07.90-11.92		<b>0 986 356 874</b>	<b>B 874</b>
		85	834 B.146 <M6>	11.92-12.96		<b>0 986 356 874</b>	<b>B 874</b>
		85/86/88/110/ 116	154 C3.000 <M1>; 154 C3.046 <M2>; 154 C4.000 <M3>; 154 C4.046 <M4>	07.90-12.96		<b>0 986 356 874</b>	<b>B 874</b>
<b>Doblo</b>							
<b>1.2</b>	1,2	48	223 A5.000 <M1>	07.00-09.05			
<b>1.4</b>	1,4	55	350 A1.000 <M11>	10.05-12.10		<b>0 986 357 286</b>	<b>B 286</b>
<b>1.6</b>	1,6	68-76	182 B6.000 <M6/M11>	01.03-09.05		<b>0 986 357 261</b>	<b>B W261</b>
		76	182 B6.000 <M26>	10.05-12.10	WW	<b>0 986 356 787</b>	<b>B 787</b>
<b>Doblo Cargo</b>							
<b>1.2</b>	1,2	47	223 A5.000 <M1>	07.00-09.05			
<b>1.4</b>	1,4	57	350 A1.000 <M11>	10.05-12.10		<b>0 986 357 286</b>	<b>B 286</b>
<b>1.6</b>	1,6	68-76	182 B6.000 <M6/M11>	01.03-09.05		<b>0 986 357 261</b>	<b>B W261</b>
		76	182 B6.000 <M26>	10.05-12.10	WW	<b>0 986 356 787</b>	<b>B 787</b>
<b>Ducato</b>							
<b>2.0</b>	2,0	55/63	170 B (XN1T) <M1>; 170 C (XN1TA) <M2>; 170 D <M3>; 170 D (XN1TA) <M3>; 170D <M3>	07.90-02.94		<b>0 986 356 795</b>	<b>B 795</b>
		79	R5B <M2>	03.94-03.02		<b>0 986 356 854</b>	<b>B 854</b>
<b>Fiorino</b>							
<b>1.1</b>	1,1	40	146 A9.000 <M1>	01.88-08.93			
<b>1.3</b>	1,3	49	146 A5.000 <M2>; 146 A5.000 <M3>	01.88-12.01			
<b>1.4</b>	1,4	51-57	350 A1.000 <M18>	10.09→		<b>0 986 357 286</b>	<b>B 286</b>
		52	146 C5.000 <M1>	09.93-06.95		<b>0 986 356 718</b>	<b>B 718</b>
<b>1.6</b>	1,6	55	146 C6.000 <M2>	09.93-06.95		<b>0 986 356 718</b>	<b>B 718</b>
<b>Idea</b>							
<b>1.4</b>	1,4	57	350 A1.000 <M7>	09.08→		<b>0 986 357 286</b>	<b>B 286</b>
<b>Linea</b>							
<b>1.4</b>	1,4	57	350 A1.000 <M13>	03.07→		<b>0 986 357 286</b>	<b>B 286</b>
<b>Marea</b>							
<b>1.2</b>	1,2	60	182 B2.000 <M1>	03.99-09.02		<b>0 986 357 181</b>	<b>B 181</b>
<b>1.4</b>	1,4	59	182 A3.000 <M1>	10.96-02.99		<b>0 986 356 818</b>	<b>B 818</b>
<b>1.6</b>	1,6	68-76	182 A4.000 <M2>; 182 A4.000 <M5>; 182 B5.098 <M6>; 182 B6.000 <M8>; 185 A3.000 <M5>; 185 A3.000 <M7>	10.96-12.02		<b>0 986 357 261</b>	<b>B W261</b>
					WW	<b>0 986 356 787</b>	<b>B 787</b>
<b>Multipia</b>							
<b>1.6</b>	1,6	68-76	182 A4.000 <M1>; 182 B6.000 <M3>; 182 B6.000 <M4>; 182 B6.000 <M8>; 182 B6.000 <M9>; 186 A3.000 <M3>; 186 A4.000 <M2>	01.99-12.10		<b>0 986 357 261</b>	<b>B W261</b>
					WW	<b>0 986 356 787</b>	<b>B 787</b>
<b>Palio</b>							
<b>1.0</b>	1,0	40	178 D 9.011 <Fire>	01.04-12.07		<b>F 000 99C 130</b>	<b>CS</b>
<b>1.1</b>	1,1	40	178 B9.033 <M1>	03.98-07.01		<b>0 986 356 853</b>	<b>B 853</b>
<b>1.2</b>	1,2	44	188 A4.000 <M6>; 188 A4.000 <M10>	01.01→			
		44/46/54	178 B5.000 <M5>; 178 B5.000 <M7>; 178 B5.000 <M11>; 178 B7.045 <M8>; 178 C4.066 <M5>; 178 C4.066 <M6>; 178 E 2.000 <M4>	03.99→		<b>0 986 356 754</b>	<b>B 754</b>
		59	188 A5.000 <M10>	10.01→		<b>0 986 357 181</b>	<b>B 181</b>
<b>1.4</b>	1,4	57	350 A1.000 <M13>	07.03→		<b>0 986 357 286</b>	<b>B 286</b>
		63-63	310A2011 <Fire>	06.12→		<b>F 000 99C 130</b>	<b>CS</b>
<b>1.6</b>	1,6	74/76	176 D2.011 <M27>; 178 B3.000 <M25>; 178 C7.098 <M7>; 182 B6.000 <M20>; 182 B6.000 <M21>; 182 B6.000 <M28>	11.97→		<b>0 986 357 261</b>	<b>B W261</b>
					WW	<b>0 986 356 787</b>	<b>B 787</b>
<b>75</b>	1,2	54	178 B5.000 <M1>	09.97-09.01		<b>0 986 356 754</b>	<b>B 754</b>
			188 A4.000 <M6>; 188 A4.000 <M9>	08.00-09.04			
<b>85</b>	1,2	63	188 A5.000 <M10>	10.01-09.04		<b>0 986 357 181</b>	<b>B 181</b>
<b>100</b>	1,6	76	178 B3.000 <M2>; 182 B6.000 <M21>; 182 B6.000 <M28>	09.97-09.04		<b>0 986 357 261</b>	<b>B W261</b>
					WW	<b>0 986 356 787</b>	<b>B 787</b>



1	2	3	4	5	6	7	8
0 986 356 032	0 986 356 032	0 986 356 033	0 986 356 033				

**Coupé**

							Croma
0 986 356 021	0 986 356 023	0 986 356 023	0 986 356 025				0 986 356 044
0 986 356 025	0 986 356 023	0 986 356 023	0 986 356 021				0 986 356 044
0 986 356 025	0 986 356 023	0 986 356 023	0 986 356 021				0 986 356 044

**Doblo**

0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
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**Doblo Cargo**

0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
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**Ducato**

**Fiorino**

0 986 356 017	0 986 356 017	0 986 356 019	0 986 356 019				0 986 356 046
0 986 356 019	0 986 356 017	0 986 356 017	0 986 356 019				0 986 356 040

**Idea**

**Linea**

**Marea**

0 986 356 131	0 986 356 130	0 986 356 130	0 986 356 129				
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**Multipla**

**Palio**

0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055				0 986 356 004
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				

0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				





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Panda							
1.1	1,1	40	187 A1.000 <M1>	10.03-12.09			
1.2	1,2	44	188 A4.000 <M5>	10.03-12.09			
		51	169 A4.000	02.12→		0 986 357 286	B 286
750	0,8	25	141 B.000 <M1>	07.90-07.92		0 986 357 146	B 146
			156 A4.000 <M2>; 156 A4.048 <M3>	07.90-12.92		0 986 356 853	B 853
900	0,9	29	1170 A1.046 <M10>	04.92-09.03		0 986 357 096	B 096
		33	146 A.048 <M4>	07.90-03.92		0 986 357 146	B 146
1000	1,0	33	141 C2.000 <M11>	01.95-09.03	MAR	0 986 356 754	B 754
			156 A2.246 <M2>; 156 A2.246 <M7/M16>				
			→Mot.Nr. 5524923	07.90-03.97	MAR	0 986 356 754	B 754
			Mot.Nr. 5524924 →	07.90-03.97	MAR		
		33/35	156 A2.000 <M5>; 156 A2.100 <M6>; 156 A2.146 <M10>	10.87-03.97		0 986 356 853	B 853
		37	156 A3.000 <M1>	07.90-12.95		0 986 356 853	B 853
1100	1,1	37	156 C.046 <M3>				
			→Mot.Nr. 5524923	01.93-12.94	MAR	0 986 356 754	B 754
			Mot.Nr. 5524924 →	01.93-12.94	MAR		
			156 C.046 <M9>	07.90-12.92	MAR		
			→Mot.Nr. 5524923	01.93-03.97	MAR	0 986 356 754	B 754
			Mot.Nr. 5524924 →				
			187 A1.000 <M15>	12.00-09.03			
		40	176 B2.000 <M4>	01.95-09.03	MAR	0 986 356 754	B 754
			176 B2.000 <M12>	01.95-09.03	MAR	0 986 356 754	B 754
					ZMM	0 986 356 818	B 818
Petra							
1.2	1,2	59	188 A5.000 <M10>	03.03→		0 986 357 181	B 181
1.6	1,6	76	182 B6.000 <M21>	07.02→		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Punto							
1.1	1,1	40	176 B2.000 <M1>	05.97-08.99		0 986 356 754	B 754
1.2	1,2	44/59	188 A4.000 <M1>; 188 A4.000 <M1/M2>; 188 A4.000 <M1/M2/M3>; 188 A4.000 <M4>; 188 A4.000 <M4/CF3>	07.99-12.10			
		48	199 A4.000 <ECOFC4; M4>	10.09→		0 986 357 286	B 286
		59	188 A5.000 <M5/CF2>; 188 A5.000 <M6>; 188 A5.000 <M6/CF3>	07.99-12.10		0 986 357 181	B 181
1.4	1,4	55/56/57	199 A7.000; 350 A1.000 <M7>; 350 A1.000 <M11>; 350 A1.000 <M18>	10.09→		0 986 357 286	B 286
55	1,1	40	176 A6.000 <M1>; 176 A6.000 <M6>; 176 B2.000 <M1>; 176 B2.000 <M6>	08.93-08.99		0 986 356 754	B 754
60	1,2	43/44	176 A7.000 <M2>; 176 B1.000 <M5>; 176 B4.000 <M2>; 176 B4.000 <M7>	08.93-08.99		0 986 356 754	B 754
75	1,2	54	176 A8.000 <M3>	08.93-08.99		0 986 356 754	B 754
85	1,2	63	176 B9.000 <M4>	05.97-08.99		0 986 357 258	B W258
90	1,6	65	176 A9.000 <M4>	01.94-04.97		0 986 356 738	B 738
Punto Grande							
1.2	1,2	48/51	169 A4.000; 199 A4.000 <M4>	10.05→		0 986 357 286	B 286
1.4	1,4	55/56/57	199 A7.000 <M12>; 350 A1.000 <M7>; 350 A1.000 <M11>; 350 A1.000 <M18>	10.05→		0 986 357 286	B 286
Qubo							
1.4	1,4	51-57	350 A1.000 <M18>	10.09→		0 986 357 286	B 286
Seicento							
900	0,9	29	1170 A1.046 <M1>	03.98-12.03		0 986 356 717	B 717
1100	1,1	40	176 B2.000 <M2-SPI>	03.98-12.03		0 986 356 754	B 754
			187 A1.000 <M3-MPI>	09.00-04.06			
Siena							
1.0	1,0	54-55	310 A 1011 <Fire>; 310A1011 <Fire>	01.10→		F 000 99C 130	CS
1.2	1,2	44	178 B5.000 <M7>; 178 B5.000 <M11>; 178 C4.066 <M5>; 178 C4.066 <M6>	03.99-03.04		0 986 356 754	B 754
1.6	1,6	76	178 B3.000 <M25>; 178 D2.011 <M27>; 182 B6.000 <M20>; 182 B6.000 <M28>	04.97-03.04		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Strada							
1.2	1,2	44	178 B5.000 <M1>	03.99-03.05		0 986 356 754	B 754
		54	188 A4.000 <M2>; 188 A4.000 <M3>	05.01-06.05			
1.4	1,4	63-63	310A2011 <Fire>	06.12→		F 000 99C 130	CS





1	2	3	4	5	6	7	8	
								<b>Panda</b>
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 034	0 986 356 034	0 986 356 033	0 986 356 032					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 034	0 986 356 034	0 986 356 033	0 986 356 032					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 034	0 986 356 034	0 986 356 033	0 986 356 032					
0 986 356 034	0 986 356 034	0 986 356 033	0 986 356 032					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 131	0 986 356 130	0 986 356 130	0 986 356 129					
								<b>Petra</b>
								<b>Punto</b>
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
								<b>Punto Grande</b>
								<b>Qubo</b>
								<b>Seicento</b>
0 986 356 032	0 986 356 032	0 986 356 033	0 986 356 033					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
								<b>Siena</b>
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
								<b>Strada</b>
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					





◀ FIAT

Tempra									
1.4	1,4	51	160 A1.046 <M1>	04.93-12.96		0 986 356 846	B 846		
			160 A1.046 <M2>	03.92-03.93		0 986 356 718	B 718		
		56	159 A2.000 <M1>; 159 A2.000 <M6>	02.90-12.96		0 986 356 792	B 792		
1.6	1,6	55	159 A3.048 <M3>	04.93-12.96	KL	0 986 356 846	B 846		
					KL	0 986 356 718	B 718		
			159 A3.048 <M5>	06.92-03.93	AG,LH	0 986 356 846	B 846		
					AG,MLK	0 986 356 718	B 718		
					GS	0 986 356 846	B 846		
			57	159 A3.046 <M4>	06.90-07.92	AG,LH	0 986 356 718	B 718	
							0 986 356 846	B 846	
							AG,MLK	0 986 356 718	B 718
							GS	0 986 356 718	B 718
								0 986 356 846	B 846
		62	159 A3.000 <M3>	02.90-03.93	AG	0 986 356 718	B 718		
					GS	0 986 356 846	B 846		
			159 A3.000 <M4>	04.93-12.96		0 986 356 846	B 846		
			159 A3.098 <M8>	04.93-12.96		0 986 356 846	B 846		
		66	159 B9.000 <M5>	05.94-12.96		0 986 356 738	B 738		
1.8	1,8	77	159 A4.046 <M1>	04.93-12.96		0 986 356 861	B 861		
			159 A4.046 <M2>	06.90-03.93		0 986 356 861	B 861		
2.0	2,0	81/83-85	159 A6.011 <M6>; 159 A6.046 <M2>; 159 A6.046 <M3>	02.90-12.96		0 986 356 861	B 861		
Tipo									
1.1	1,1	41	160 A3.000 <M1>	07.87-03.93		0 986 356 853	B 853		
1.4	1,4	51/52	160 A1.046 <M1>; 160 A1.046 <M5>; 836 A4.000 <M7>	05.89-10.95		0 986 356 718	B 718		
		56	159 A2.000 <M3>	01.90-03.93		0 986 356 846	B 846		
1.6	1,6	55/57	159 A3.046 <M8>; 159 A3.048 <M9>	03.90-03.93		0 986 356 846	B 846		
1.8	1,8	66/71/77	835 C2.000 <M1>; 835 C4.000 <M4>; 836 A5.000 <M7>; 836 A6.000 <M8>	03.93-10.95		0 986 356 861	B 861		
			77/80	159 A4.000 <M1>; 159 A4.046 <M2>	06.90-03.93		0 986 356 861	B 861	
		101	160 A5.000 <M2>	06.89-09.91		0 986 356 791	B 791		
		2.0	2,0	83	159 A5.046/6.046 <M3>	03.90-03.92		0 986 356 861	B 861
		85	159 A6.046 <M2>	03.93-10.95		0 986 356 861	B 861		
		104/107	160 A8.046 <M1>; 836 A3.000 <M3>	12.90-10.95		0 986 356 791	B 791		
Ulysse									
2.0	2,0	90/110	RFU <M1>; RGX <M2>	09.94-05.00		0 986 357 098	B 098		
Uno									
0.9	0,9	33	146 A.048 <M1>	09.89-09.92		0 986 356 785	B 785		
				09.89-03.94		0 986 357 146	B 146		
1.0	1,0	32	156 A2.048	09.89-05.91					
				32/33	156 A2.100 <M5>; 156 A2.246 <M6>	09.89-03.94		0 986 356 853	B 853
				33	146 A2.166 <M1>	01.98-05.00		0 986 356 853	B 853
					146 A2.166 <M10>; 156 A2.000 <M3>	09.89-03.94		0 986 356 853	B 853
				40	178 D 9.011 <Fire>	12.05-06.06		F 000 99C 130	CS
1.1	1,1	37,5	156 C.046 <M7>	09.89-03.94					
				40	160 A3.000 <M6>	01.98-12.03		0 986 356 853	B 853
		41	160 A3.000 <M4>	09.89-05.96		0 986 356 853	B 853		
				01.99-12.00		0 986 356 853	B 853		
		42	146 A6.000 <M1>	09.87-09.91					
		43	146 A4.048 <M1>	09.89-09.92		0 986 356 785	B 785		
				146 A6.000 <M2>	09.89-09.92		0 986 356 737	B 737	
		1.2	1,2	44	178 D5.066 <M5>	04.00-03.04		0 986 356 754	B 754
1.3	1,3	74	146 A2.246 <M3>	09.89-03.91	GO	0 986 356 857	B 857		
1.4	1,4	51/52	146 C1.000 <M3>; 146 C2.028 <M7>; 160 A1.046 <M4>; 160 A1.048 <M5>	09.89-03.94		0 986 356 718	B 718		
			52	146 C1.000	05.95-05.96		0 986 357 146	B 146	
		84	146 A8.046 <M2>	10.90-12.93	GO	0 986 356 857	B 857		
1.5	1,5	55	149 C1.000 <M6>	09.89-03.94		0 986 356 718	B 718		
500									
1.2	1,2	51	169 A4.000; 169 A4.000 <M8>	07.07→		0 986 357 286	B 286		







1	2	3	4	5	6	7	8	
								<b>Tempra</b>
								0 986 356 038
								0 986 356 038
								0 986 356 038
0 986 356 017	0 986 356 032	0 986 356 034	0 986 356 034					0 986 356 049
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
0 986 356 021	0 986 356 021	0 986 356 023	0 986 356 025					0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
								<b>Tipo</b>
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
								0 986 356 038
								0 986 356 038
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
								<b>Ulysse</b>
								<b>Uno</b>
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 019	0 986 356 017	0 986 356 017	0 986 356 019					0 986 356 040
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
0 986 356 017	0 986 356 032	0 986 356 034	0 986 356 035					0 986 356 046
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 032	0 986 356 033	0 986 356 034	0 986 356 035					0 986 356 044
0 986 356 032	0 986 356 033	0 986 356 034	0 986 356 035					0 986 356 044





**FORD**

**Cougar**

2.0	2,0	96	EDBA <ZH20 Zetec E DOHC>; EDBB <ZH20 Zetec E DOHC>; EDBC <ZH20 Zetec E DOHC>; EDBD <ZH20 Zetec E DOHC>	08.98-12.00		<b>0 986 357 141</b>	<b>B 141</b>
2.5	2,5	125/147-151	LCBA <MP25 Duratec-VE SEFI>; LCBB <MP25 Duratec-VE SEFI>; LCBC <MP25 Duratec-VE SEFI>; LCBE <MP25 Duratec-VE SEFI>; MABB <MP25 Duratec-VE SEFI>	08.98-12.00		<b>0 986 356 959</b>	<b>B 959</b>

**Escort RS**

2.0	2,0	162	N5F <DOHC Cosworth>	04.92-02.93		<b>0 986 356 770</b>	<b>B 770</b>
2000	2,0	110	N7A <DOHC 16V EFI>	01.95-08.96		<b>0 986 356 833</b>	<b>B 833</b>
			N7A <DOHC-16V EFI>	05.91-01.92	WW	<b>0 986 357 235</b>	<b>B 235</b>
				09.91-12.94		<b>0 986 356 833</b>	<b>B 833</b>

**Escort VII**

1.3	1,3	44	J4B <Endura-E SEFI>; J6A <BL13 HCS CFI>	01.95-09.01		<b>0 986 357 257</b>	<b>B W257</b>
1.4	1,4	54	F4B <HL14 CVH, PTE/SEFI>	01.95-09.01		<b>0 986 356 887</b>	<b>B 887</b>
1.6	1,6	65/66	L1E <ZH16 ZETEC>; L1E <ZH16, ZETEC-E>; L1H <ZH16, ZETEC-E>; L1K <ZH16, ZETEC-E>	01.95-09.01		<b>0 986 356 805</b>	<b>B 805</b>
		66	L7 <ZETEC, CFI>	08.96-01.00		<b>0 986 356 805</b>	<b>B 805</b>
1.8	1,8	77	RDA <ZH18, ZETEC>	01.95-09.01		<b>0 986 356 805</b>	<b>B 805</b>
		85	RKC <ZETEC>	09.96-01.00		<b>0 986 356 805</b>	<b>B 805</b>
			RKC <ZH18, ZETEC-E>	09.95-09.01		<b>0 986 356 805</b>	<b>B 805</b>
			<ZETEC>	09.96-01.00		<b>0 986 356 805</b>	<b>B 805</b>

**Escort VII Express**

1.4	1,4	54	F4B <HL14 CVH, PTE/SEFI>	01.95-09.01		<b>0 986 356 887</b>	<b>B 887</b>
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**Escort V/VI**

1.1	1,1	40	GUF <HCS 2V HC>	08.90-12.94		<b>0 986 356 700</b>	<b>B 700</b>
1.3	1,3	44/46	JBD <HCS 2V HS>; JBE <HCS 2V HC>; J6A <HCS CFI HC>	08.90-12.94		<b>0 986 356 700</b>	<b>B 700</b>
1.4	1,4	52-55	FUH <CVH 2V LC>; F4B <CVH, PTE/SEFI>; F6F <CVH CFI LC>; F6G <CVH CFI LC>	08.90-12.94		<b>0 986 356 887</b>	<b>B 887</b>
1.6	1,6	65/66	LUJ <CVH 2V HC>; LUK <CVH 2V HC>	08.90-12.94		<b>0 986 356 887</b>	<b>B 887</b>
			L1E <ZETEC>; L1H <ZETEC>	09.92-12.94		<b>0 986 356 805</b>	<b>B 805</b>
		77-79	LJE <CVH EFI HC>; LJF <CVH EFI HC>	08.90-09.92		<b>0 986 356 849</b>	<b>B 849</b>
					WW	<b>0 986 357 245</b>	<b>B 245</b>
1.8	1,8	77/96	RDA <ZETEC>; RQB <ZETEC>	02.92-12.94		<b>0 986 356 805</b>	<b>B 805</b>

**Escort V/VI Express**

1.3	1,3	46	JBD <HCS 2V HC>	08.90-12.94		<b>0 986 356 700</b>	<b>B 700</b>
1.4	1,4	52	F6F <CVH CFI LC>; F6G <CVH CFI LC>	08.90-12.94		<b>0 986 356 887</b>	<b>B 887</b>

**Escort XR3/XR3i**

1.6	1,6	65-66	L1E <ZH16, ZETEC-E>; L1H <ZH16, ZETEC-E>; L1K <ZH16, ZETEC-E>	01.95-09.01		<b>0 986 356 805</b>	<b>B 805</b>
1.8	1,8	77/85/96	RDA <ZETEC>; RDA <ZH18, ZETEC>; RKC <ZH18, ZETEC-E>; RQB <ZETEC>; RQB <ZH18, ZETEC>	02.92-09.01		<b>0 986 356 805</b>	<b>B 805</b>

**Fiesta III**

1.0	1,0	33	TLB <HCS 1V HC>	03.89-09.91		<b>0 986 356 700</b>	<b>B 700</b>
1.1	1,1	36-37/40	GU... <HCS 2V HC>; G6A <HCS CFI HC>	03.89-12.96		<b>0 986 356 700</b>	<b>B 700</b>
1.3	1,3	43-44	JBC <HCS 2V HC>; J6B <HCS CFI HC>	06.91-12.96		<b>0 986 356 700</b>	<b>B 700</b>
1.4	1,4	52/54-55	FU... <CVH 2V LC>; FUF <CVH 2V HC>; F4A <CVH EFI HC>; F6E <CVH CFI HC>	09.89-12.96		<b>0 986 356 887</b>	<b>B 887</b>
1.6	1,6	65-66	L1G <ZH SEFI>	02.94-12.96		<b>0 986 356 805</b>	<b>B 805</b>
		66	LUH <CVH 2V HC>	09.89-12.96		<b>0 986 356 887</b>	<b>B 887</b>
		76/81/96-98	LHA <CVH EFI HC>; LJC <CVH EFI HC>; LJD <CVH EFI HC>	09.89-12.96		<b>0 986 356 849</b>	<b>B 849</b>
					WW	<b>0 986 357 245</b>	<b>B 245</b>
1.8	1,8	77/93-96	RDA <ZH SEFI>; RDB <ZH SEFI>; RQC <ZH SEFI>	02.92-12.96		<b>0 986 356 805</b>	<b>B 805</b>

**Fiesta III Courier**

1.3	1,3	44	JBC <HCS 2V>; JBC <HCS 2V HC>; J6B <HCS CFI>	09.91-08.96		<b>0 986 356 700</b>	<b>B 700</b>
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**Fiesta IV**

1.25	1,2	55	DH... <ZH12, Zetec-SE>	11.95-05.98		<b>0 986 356 805</b>	<b>B 805</b>
				06.98-12.02		<b>0 986 357 208</b>	<b>B 208</b>
1.3	1,3	37/44	JJ... <BL13, Endura-E, SEFI>; J4... <BL13, Endura-E, SEFI>	11.95-08.98		<b>0 986 357 257</b>	<b>B W257</b>
				09.98-12.02	ZMM	<b>0 986 357 221</b>	<b>B 221</b>



1 2 3 4 5 6 7 8

**FORD**

**Cougar**

**Escort RS**

**Escort VII**

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

**Escort VII Express**

**Escort V/VI**

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 114 0 986 356 113 0 986 356 112 0 986 356 111

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

**Escort V/VI Express**

**Escort XR3/XR3i**

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

**Fiesta III**

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 114 0 986 356 113 0 986 356 112 0 986 356 111

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

**Fiesta III Courier**

**Fiesta IV**

0 986 356 147 0 986 356 148 0 986 356 148 0 986 356 146





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1.4	1,4	66	FH... <ZH14, Zetec-SE, SEFI>	01.96-05.98 06.98-12.00		0 986 356 805 0 986 357 208	B 805 B 208
1.6	1,6	76	L1... <ZH16 Zetec-SE, SEFI>	02.00-12.02		0 986 357 208	B 208
<b>Fiesta IV Courier</b>							
1.3	1,3	44	J4... <BL13, Endura-E, SEFI>	11.95-08.98 09.98-12.02	ZMM	0 986 357 257 0 986 357 221	B W257 B 221
1.4	1,4	66	FH... <ZH14, Zetec-SE, SEFI>	01.96-05.98 06.98-12.00		0 986 356 805 0 986 357 208	B 805 B 208
<b>Fiesta V</b>							
1.25	1,2	51/55	FUJ... <Duratec 16V SFI>; M7J... <Duratec 16V SFI>	12.02-01.07		0 986 357 208	B 208
1.4	1,4	59	FXJ... <Duratec 16V SFI>	11.01-01.07		0 986 357 208	B 208
1.6	1,6	74	FYJ... <Duratec 16V SFI>	11.01-01.07		0 986 357 208	B 208
2.0	2,0	110	N4JB <Duratec 16V SFI>	11.04-09.08		0 986 357 271	B 271
<b>Focus C-Max</b>							
1.6	1,6	74/85	HWD... <Duratec-16V SFI>; HXDA <ZH16, Zetec-SE, TI-VCT>; SIDA <Duratec-16V HPDC>	09.03-03.07		0 986 357 208	B 208
<b>Focus I</b>							
1.4	1,4	55	FXD... <ZH14, Zetec-SE, SFI>; FXDA <ZH14, Zetec-SE>; FXDA <ZH14, Zetec-SE, SFI>; FXDB <ZH14, Zetec-SE, SFI>; FXDC <ZH14, Zetec-SE, SFI>; FXDD <ZH14, Zetec-SE, SFI>	08.98-05.05		0 986 357 208	B 208
1.6	1,6	74	FYD... <ZH16, Zetec-SE, SFI>	08.98-05.05		0 986 357 208	B 208
			FYDA <ZH16, Zetec-SE, SFI>	11.98-05.05		0 986 357 208	B 208
			FYDB <ZH16, Zetec-SE, SFI>	11.98-05.05		0 986 357 208	B 208
			FYDC <ZH16, Zetec-SE, SFI>	11.98-05.05		0 986 357 208	B 208
			FYDD <ZH16, Zetec-SE, SFI>	11.98-05.05		0 986 357 208	B 208
		74-77	FYDH <ZH16 (FLEXFUEL)>	10.01-05.05		0 986 357 208	B 208
1.8	1,8	85	EYD... <ZH18, Zetec-E, SFI>; EYDB <ZH18, Zetec-E, SFI>; EYDC <ZH18, Zetec-E, SFI>; EYDD <ZH18, Zetec-E, BI-FUEL>; EYDE <ZH18, Zetec-E, SFI>; EYDF <ZH18, Zetec-E, SFI>; EYDG <ZH18, Zetec-E, BI-FUEL>; EYDI <ZH18, Zetec-E, BI-FUEL>; EYDJ <ZH18, Zetec-E, BI-FUEL>; EYDL <ZH18, Zetec-E, BI-FUEL>	08.98-05.05		0 986 357 141	B 141
2.0	2,0	96/127/158	ALDA <Duratec-ST>; EDD... <ZH20, Zetec-E, SFI>; EDDB <ZH20, Zetec-E, SFI>; EDDC <ZH20, Zetec-E, SFI>; EDDD <ZH20, Zetec-E, SFI>; EDDF <ZH20, Zetec-E, SFI>; HMDA <Duratec-RS>	08.98-05.05		0 986 357 141	B 141
<b>Focus II</b>							
1.4	1,4	59	ASD... <ZH14, Zetec-SE, SFI>	07.04-03.07		0 986 357 208	B 208
1.6	1,6	74/85	HWD... <Euro3/Euro4>; HWD... <ZH16, Zetec-SE, SFI>; HXD... <ZH16, Zetec-SE, TI-VCT>; SHDA <ZH16, Zetec-SE, HPDC>	07.04-03.07		0 986 357 208	B 208
<b>Fusion</b>							
1.25	1,2	55	FUJ... <Euro3/Euro4>	03.05-01.07		0 986 357 208	B 208
1.4	1,4	59	FXJ... <Euro3/Euro4/Euro5>	10.02-01.07		0 986 357 208	B 208
1.6	1,6	74	FYJ... <Euro3/Euro4/Euro5>	10.02-01.07		0 986 357 208	B 208
<b>Galaxy</b>							
2.0	2,0	85	NSE <DL20 DOHC, SEFI>	02.95-03.00		0 986 357 090	B 090
2.3	2,3	103/107	E5SA <DH23 DOHC, 16V-SEFI>; E5SB <DH23 DOHC, 16V-SEFI>	04.00-08.06		0 986 357 090	B 090
		107	Y5B <DH23 DOHC, 16V-SEFI>	01.97-03.00		0 986 356 833	B 833
2.8	2,8	128	AAA <VW28, CD-VR6 SEFI>	02.95-04.98		0 986 356 384	B 384
			AMY <VW28, CD-VR6 SEFI>	04.98-03.00		0 986 356 384	B 384
<b>Granada</b>							
1.8	1,8	66	REC <TL-OHC 2V HC>	05.85-01.92	ZVD	0 986 356 868	B 868
2.0	2,0	77-80/85/ 88-93	N8... <DL-DOHC 2V HC>; N8D <DL-DOHC 2V HC>; N9... <DL-DOHC EFI HC>; N9D <DL-DOHC EFI HC>; N9F <DL20 DOHC EFI H, C>; N9F <DL20 DOHC EFI HC>	05.89-09.94	WW	0 986 356 802 0 986 357 235	B 802 B 235
2.4	2,4	92	ARD <TV24 V6 EFI HC>	02.92-09.94		0 986 356 879	B 879
2.9	2,9	107	BR... <TV29 V6 EFI MC>	02.92-09.94		0 986 356 879	B 879
			BRF <TV29 V6 EFI MC>	02.92-09.94		0 986 356 879	B 879
		110	BRC <TV29 EFI HC>	09.88-01.92	ZVD	0 986 356 879	B 879
		143	BOA <CP29 DOHC 24V>	02.92-09.94		0 986 356 870	B 870





1	2	3	4	5	6	7	8
0986 356 147	0986 356 148	0986 356 148	0986 356 146				

**Fiesta IV Courier**

0986 356 147	0986 356 148	0986 356 148	0986 356 146				
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**Fiesta V**

**Focus C-Max**

**Focus I**

**Focus II**

**Fusion**

**Galaxy**

0986 356 113	0986 356 113	0986 356 111	0986 356 112				
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0986 357 717	0986 357 716	0986 357 716	0986 357 715	0986 357 715	0986 357 714		
0986 357 717	0986 357 716	0986 357 716	0986 357 715	0986 357 715	0986 357 714		

**Granada**

0986 356 119	0986 356 119	0986 356 120	0986 356 120				0986 356 098
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0986 356 118	0986 356 117	0986 356 116	0986 356 117	0986 356 116	0986 356 116		0986 356 099
0986 356 118	0986 356 117	0986 356 116	0986 356 117	0986 356 116	0986 356 116		0986 356 099
0986 356 118	0986 356 117	0986 356 116	0986 356 117	0986 356 116	0986 356 116		0986 356 099
0986 356 118	0986 356 117	0986 356 116	0986 356 117	0986 356 116	0986 356 116		0986 356 099





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Ka							
1.3	1,3	36/37	JJB <HCS,Endura-E SEFI>; JJD <HCS,Endura-E SEFI>;	09.96-09.98		0 986 357 257	B W257
			JJF <HCS,Endura-E SEFI>; JJG <HCS,Endura-E SEFI>;	10.98-10.02	ZMM	0 986 357 221	B 221
			JJH <HCS,Endura-E SEFI>; JJL <HCS,Endura-E SEFI>				
		44	J4D <HCS,Endura-E SEFI>; J4K <HCS,Endura-E SEFI>;	09.96-10.02		0 986 357 257	B W257
			J4M <HCS,Endura-E SEFI>; J4N <HCS,Endura-E SEFI>;				
			J4P <HCS,Endura-E SEFI>; J4S <HCS,Endura-E SEFI>				
Maverick							
2.0	2,0	91-95	YF <Zetec-E SEFI>	10.00-12.03		0 986 357 141	B 141
2.4	2,4	85/87/91	KA24 <OHC>; KA24 <OHC 12V SEFI>	06.93-12.98		0 986 356 807	B 807
					WW	0 986 357 236	B 236
Merkur							
2.9	2,9	107	<TV 29 EFI Kat>	05.88-02.93		0 986 356 879	B 879
Mondeo I							
1.6	1,6	65/66	L1... <ZH16,ZETEC>; L1... <ZH16,ZETEC-E>; L1F <ZH16,ZETEC>;	01.93-07.96		0 986 356 805	B 805
			L1J <ZH16,ZETEC-E>				
1.8	1,8	82/85	RKA <ZH18,ZETEC>; RKB <ZH18, ZETEC-E>; RKB <ZH18,ZETEC-E>	01.93-07.96		0 986 356 805	B 805
2.0	2,0	97-100	NGA <ZH20,ZETEC>	01.93-07.96		0 986 356 805	B 805
2.5	2,5	125	SEA <MP25, DURATEC-VE>	08.94-07.96		0 986 356 959	B 959
Mondeo II							
1.6	1,6	65-66	L1J <ZH16, ZETEC-E>	08.96-04.98		0 986 356 805	B 805
				05.98-08.98		0 986 357 141	B 141
		70	L1... <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
			L1L <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
			L1N <ZH16, ZETEC-E>; L1Q <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
1.8	1,8	85	RK... <ZH18, ZETEC-E>; RKB <ZH18, ZETEC-E>	08.96-04.98		0 986 356 805	B 805
				05.98-09.00		0 986 357 141	B 141
			RKF <ZH18, ZETEC-E>; RKH <ZH18, ZETEC-E>; RKJ <ZH18, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
			RKK <ZH18, ZETEC-E>	08.96-04.98		0 986 356 805	B 805
				05.98-09.00		0 986 357 141	B 141
2.0	2,0	96	NG... <ZH20, ZETEC-E>; NGA <ZH20, ZETEC-E>	08.96-04.98		0 986 356 805	B 805
				05.98-09.00		0 986 357 141	B 141
			NGB <ZH20, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
			NGC <ZH20, ZETEC-E>; NGD <ZH20, ZETEC-E>	08.96-04.98		0 986 356 805	B 805
				05.98-09.00		0 986 357 141	B 141
2.5	2,5	125	SE... <MP25, DURATEC-VE>; SEA <MP25, DURATEC-VE>;	08.96-09.00		0 986 356 959	B 959
		SEB <MP25, DURATEC-VE>; SEC <MP25, DURATEC-VE>					
Mondeo III							
1.8	1,8	81/92	CGB... <Duratec-HE SFI>; CGBA <Duratec-HE SFI>;	10.00-03.07		0 986 357 271	B 271
			CGBB <Duratec-HE SFI>; CHB... <Duratec-HE SFI>;				
			CHBA <Duratec-HE SFI>; CHBB <Duratec-HE SFI>				
2.0	2,0	107	CJB... <Duratec-HE SFI>; CJBA <Duratec-HE SFI>; CJBB <Duratec-HE SFI>	10.00-03.07		0 986 357 271	B 271
Mondeo IV							
1.6	1,6	81/92	PNBA <Euro4>; RHBA <Euro4>	02.07-03.07		0 986 357 208	B 208
Orion III							
1.3	1,3	44/46	JBD <HCS 2V HC>; JBE <HCS 2V HC>; J6A <HCS CFI HC>	07.90-12.93		0 986 356 700	B 700
1.4	1,4	52/54	FUH <CVH 2V LC>; F6F <CVH CFI LC>	07.90-12.93		0 986 356 887	B 887
1.6	1,6	66	LUJ <CVH 2V HC>; LUK <CVH 2V HC>	07.90-12.93		0 986 356 887	B 887
			L1E <ZETEC>	09.92-12.93		0 986 356 805	B 805
			77/79	LJE <CVH EFI HC>; LJF <CVH EFI HC>	07.90-09.92		0 986 356 849
					WW	0 986 357 245	B 245
1.8	1,8	77/96	RDA <ZETEC>; RQB <ZETEC>	02.92-12.93		0 986 356 805	B 805
P 100							
2.0	2,0	57	NAE <OHC VV LC>	01.88-12.92		0 986 356 868	B 868
Probe							
2.2	2,2	108		09.88-08.92		0 986 356 706	B 706
Puma							
1.4	1,4	66	FHD <ZH14,Zetec-SE,SEFI>; FHF <ZH14,Zetec-SE,SEFI>	01.98-05.98		0 986 356 805	B 805
				05.98-11.00		0 986 357 208	B 208
1.6	1,6	75	L1W <ZH16,Zetec-SE SFI>	08.00-12.01		0 986 357 208	B 208
1.7	1,7	92	MHA <ZH17,Zetec-S,VCT>; MHB <ZH17,Zetec-S,VCT>	06.97-04.00		0 986 356 805	B 805
				05.00-12.01		0 986 357 208	B 208





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Ka

**Maverick**

0 986 356 002 0 986 356 004 0 986 356 004 0 986 356 006 0 986 356 042

**Merkur**

0 986 356 118 0 986 356 117 0 986 356 116 0 986 356 117 0 986 356 116 0 986 356 116 0 986 356 099

**Mondeo I**

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

**Mondeo II**

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

**Mondeo III**

**Mondeo IV**

**Orion III**

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 114 0 986 356 113 0 986 356 112 0 986 356 111

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 119 0 986 356 119 0 986 356 120 0 986 356 120

**P 100**

0 986 356 098

**Probe**

0 986 356 097

**Puma**

0 986 356 147 0 986 356 148 0 986 356 148 0 986 356 146

0 986 356 147 0 986 356 148 0 986 356 148 0 986 356 146





◀ FORD

Scorpio I							
1.8	1,8	66	REC <TL-OHC 2V HC>	09.87-01.92	ZVD	0 986 356 868	B 868
2.0	2,0	77-80/85/88-90	N8... <DL-DOHC 2V HC>; N9... <DL-DOHC EFI>; N9B <DL-DOHC EFI>; N9D <DL-DOHC EFI>; N9F <DL20 DOHC EFI>	05.89-09.94	WW	0 986 356 802	B 802
		85	NRA <TL-OHC EFI HC>; NRI <TL-OHC EFI HC>	05.85-01.92	ZVD	0 986 356 868	B 868
					ZVS	0 986 356 873	B 873
2.4	2,4	92	ARD <TV24 EFI HC>	10.88-01.92		0 986 356 879	B 879
			ARD <TV24 V6 EFI EC>	02.92-09.94		0 986 356 879	B 879
2.9	2,9	107	BRF <TV29 V6 EFI MC>	02.92-09.94		0 986 356 879	B 879
		107/110	BR... <TV29 EFI MC>; BRC <TV29 EFI HC>; BRE <TV29 EFI MC>	09.88-01.92	ZVD	0 986 356 879	B 879
		143	BOA <CP29 DOHC 24V>	04.91-09.94		0 986 356 870	B 870
Scorpio II							
2.0	2,0	85	NSD <DL20 DOHC SEFI>	10.94-12.98		0 986 357 051	B 051
		100	N3A <DH20 DOHC SEFI>	10.94-04.96		0 986 356 833	B 833
2.3	2,3	108	Y5A <DH23 DOHC SEFI>	05.96-12.98		0 986 356 833	B 833
Sierra II							
1.6	1,6	53/55	LSE <TL-OHC 2V HC>; LSF <TL-OHC 2V HC>	01.87-02.93	ZVD	0 986 356 868	B 868
		59	L6B <HL-CVH CFI HC>	10.89-02.93		0 986 356 829	B 829
1.8	1,8	63	R6A <HL-CVH CFI>	04.92-02.93		0 986 357 257	B W257
		64-66	R2... <HL-CVH 2V HC>	05.88-02.93		0 986 356 724	B 724
		65-66	RED <TL-OHC 2V HC>	03.87-02.93		0 986 356 868	B 868
2.0	2,0	74	NE... <TL-OHC 2V HC>	01.87-02.93	ZVD	0 986 356 868	B 868
				10.87-02.93		0 986 356 868	B 868
		74/85	N4A <TL-OHC EFI HC>; N4B <TL-OHC EFI LC>	01.87-02.93	ZVD	0 986 356 868	B 868
		75	N8C <DL-DOHC 2V HC>	05.89-02.93	WW	0 986 357 235	B 235
		77	NES <TL-OHC 2V HC>	01.87-02.93	GA	0 986 356 868	B 868
					GO	0 986 356 802	B 802
					GO,WW	0 986 357 235	B 235
					ZVD	0 986 356 868	B 868
		77-80	N8... <DL-DOHC 2V HC>; N8A <DL-DOHC 2V HC>	05.89-02.93		0 986 356 802	B 802
					WW	0 986 357 235	B 235
		85/87/88/90-92	N9A <DL-DOHC EFI HC>; N9C <DL-DOHC EFI HC>; N9E <DL-DOHC EFI HC>	05.89-02.93		0 986 356 802	B 802
					WW	0 986 357 235	B 235
		162	N5... <CH-DOHC HC>; N5C <CH-DOHC HC>; N5D <CH-DOHC HC>	02.90-02.93		0 986 356 770	B 770
2.9	2,9	107/110	B4... <TV-V6 EFI HC>; B4A <TV-V6 EFI HC>	08.88-02.93		0 986 356 879	B 879
Taurus							
1.6	1,6	52		10.88-12.99			
2.0	2,0	74-75	NER <OHC>	10.89-12.99			
Tourneo Connect							
1.8	1,8	81-85	EYPA <Euro3>; EYPC <Euro3>	05.02-06.10		0 986 357 141	B 141
Transit							
FT 080	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 100	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 120	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 150	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 190	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 260 K/S	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 280 K/S	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 280 L	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 280 M	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 300 K/S	2,3	107	E5FA <DOHC 16V SEFI>	12.00-07.06	BO	0 986 356 833	B 833
FT 300 L	2,3	107	E5FA <DOHC 16V SEFI>	12.00-07.06	BO	0 986 356 833	B 833
FT 300 M	2,3	107	E5FA <DOHC 16V SEFI>	12.00-07.06	BO	0 986 356 833	B 833
FT 330 K/S	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 330 L	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 330 M	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 350 EL	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 350 L	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 350 M	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
1.6	1,6	46	LA... <TL16 OHC VV LC>	10.88-07.91		0 986 357 129	B 129
1.8	1,8	81-85	EYPA <Euro3>; EYPC <Euro3>	05.02-06.10		0 986 357 141	B 141
2.0	2,0	55-57/65-66/72	NAT <TL20 OHC VV LC>; NAV <TL20 OHC VV LC>; NBA <TL20 OHC 2V HC>; NCA <TL20EFI OHC EFI>; NCA <TL20EFI OHC EFI HC>	10.88-07.94		0 986 357 129	B 129



1	2	3	4	5	6	7	8	
								<b>Scorpio I</b>
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 118	0 986 356 118	0 986 356 117	0 986 356 117	0 986 356 116	0 986 356 117			0 986 356 099
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			0 986 356 099
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			0 986 356 099
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			0 986 356 099
								<b>Scorpio II</b>
								<b>Sierra II</b>
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			0 986 356 099
								<b>Taurus</b>
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
								<b>Tourneo Connect</b>
								<b>Transit</b>
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 099
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 099





◀ FORD

2.0	2.0	57	N6T <TL20CFI OHC LC>	10.88-07.91	<b>0 986 357 129</b>	<b>B 129</b>
		84	NS... <DOHC 8V SEFI>; NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00	<b>0 986 357 051</b>	<b>B 051</b>
2.9	2.9	104/110	BRT <TV29 EFI OHV>; B4T <TV29 V6 EFI HC>	05.88-07.94		

**FSO**

**Polonez**

1.6	1,6	64	CB	05.87-06.91		
<b>125</b>						
1.5	1,5	55/60		06.72-02.91		

**GAZ**

**Gazel**

2.4	2,4	112	<DOHC>	07.05→	<b>0 986 357 052</b>	<b>B 052</b>
<b>Sobol</b>						
2.4	2,4	112	<DOHC>	01.94→	<b>0 986 357 052</b>	<b>B 052</b>
<b>Volga</b>						
2.4	2,4	112	EDZ <DOHC Euro 2>	07.05→	<b>0 986 357 052</b>	<b>B 052</b>

**HONDA**

**Accord**

1.6	1,6	85	D16B6	10.98-02.03	<b>0 986 356 793</b>	<b>B 793</b>
1.8	1,8	85	F18A3 <iES/iLS>; F18A3 <i/iS>	09.95-10.98	<b>0 986 356 721</b>	<b>B 721</b>
		100	F18B2	10.98-02.03	<b>0 986 356 793</b>	<b>B 793</b>
2.0	2,0	66/81/98/99	F20A2; F20A4; F20A6; F20A7	01.90-08.93	<b>0 986 356 721</b>	<b>B 721</b>
		85	F20Z2	03.93-09.95	<b>0 986 356 776</b>	<b>B 776</b>
		96	F20Z1	03.93-10.98	<b>0 986 356 793</b>	<b>B 793</b>
		100	F20B3 <iES>; F20B3 <iLS>	09.93-08.96	<b>0 986 356 776</b>	<b>B 776</b>
		108	F20B6	10.98-02.03	<b>0 986 356 793</b>	<b>B 793</b>
01.99-08.02						
2.2	2,2	108-110	F22A3	01.90-05.93	<b>0 986 356 721</b>	<b>B 721</b>
		110	F22B4; F22B5	09.93-12.01	<b>0 986 356 776</b>	<b>B 776</b>
			F22Z2	09.95-10.98	<b>0 986 356 793</b>	<b>B 793</b>
2.3	2,3	113	F23Z5	12.99-02.03	<b>0 986 356 793</b>	<b>B 793</b>
				11.00-08.02	<b>0 986 356 793</b>	<b>B 793</b>

**Accord Aerodeck**

2.0	2,0	98-100	F20B3 <iES>; F20B3 <iLS>	09.93-06.98	<b>0 986 356 793</b>	<b>B 793</b>
2.2	2,2	108-110	F22A7/8	01.91-06.94	<b>0 986 356 721</b>	<b>B 721</b>
		110	F22B5 <iES>; F22B5 <iLS>	09.93-09.97	<b>0 986 356 793</b>	<b>B 793</b>

**Civic**

1.3	1,3	55	D13B1; D13B2	10.87-09.95	<b>0 986 356 721</b>	<b>B 721</b>
1.4	1,4	55/66	D14A2; D14A3; D14A4; D14A7; D14A8; D14Z1; D14Z2; D14Z3; D14Z4	09.94-02.01	<b>0 986 356 721</b>	<b>B 721</b>
		66	D14A1	10.87-09.91	<b>0 986 356 721</b>	<b>B 721</b>
1.5	1,5	66	D15B1/2	10.87-09.91	<b>0 986 356 721</b>	<b>B 721</b>
			D15B2	10.88-09.91	<b>0 986 356 721</b>	<b>B 721</b>
				10.91-09.95	<b>0 986 356 721</b>	<b>B 721</b>
			D15Z1	10.91-09.95	<b>0 986 356 721</b>	<b>B 721</b>
			D15Z3; D15Z3 <iLS>	09.94-08.95		
1.6	1,6	81/85	D15B2	01.88-11.91	<b>0 986 356 721</b>	<b>B 721</b>
			D15Z6; D15Z8	10.95-02.01	<b>0 986 356 721</b>	<b>B 721</b>
			D16A6; D16A7	10.87-06.95	<b>0 986 356 721</b>	<b>B 721</b>
			D16B2; D16W3; D16W4; D16Y2; D16Y3; D16Y5	09.94-02.01	<b>0 986 356 721</b>	<b>B 721</b>
1.6	1,6	83/84/85/93/118	D16Z6; D16Z9	10.91-12.95	<b>0 986 356 721</b>	<b>B 721</b>

**Civic CRX**

1.6	1,6	92/118	B16A; D16Y; D16Z	03.92-12.98	<b>0 986 356 721</b>	<b>B 721</b>
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**Concerto**

1.4	1,4	65/78	D14A1	08.89-09.91	<b>0 986 356 721</b>	<b>B 721</b>
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1	2	3	4	5	6	7	8
0986 356 119	0986 356 119	0986 356 120	0986 356 120				0986 356 099

0986 356 118	0986 356 117	0986 356 116	0986 356 118	0986 356 116	0986 356 116		0986 356 099
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**FSO**

**Polonez**

0986 356 021	0986 356 021	0986 356 025	0986 356 027				0986 356 040
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125

0986 356 021	0986 356 021	0986 356 025	0986 356 027				0986 356 040
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**GAZ**

**Gazel**

**Sobol**

**Volga**

**HONDA**

**Accord**

0986 356 174	0986 356 173	0986 356 173	0986 356 171				
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0986 356 171	0986 356 172	0986 356 173	0986 356 174				
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0986 356 174	0986 356 173	0986 356 173	0986 356 171				
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0986 356 174	0986 356 173	0986 356 172	0986 356 171				
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0986 356 174	0986 356 173	0986 356 173	0986 356 171				
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0986 356 174	0986 356 173	0986 356 173	0986 356 171				
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0986 356 174	0986 356 173	0986 356 173	0986 356 171				
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0986 356 174	0986 356 173	0986 356 172	0986 356 171				
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0986 356 174	0986 356 173	0986 356 173	0986 356 171				
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0986 356 174	0986 356 173	0986 356 173	0986 356 171				
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0986 356 174	0986 356 173	0986 356 173	0986 356 171				
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**Accord Aerodeck**

0986 356 174	0986 356 173	0986 356 173	0986 356 171				
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0986 356 171	0986 356 172	0986 356 173	0986 356 174				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 174	0986 356 173	0986 356 173	0986 356 171				
--------------	--------------	--------------	--------------	--	--	--	--

**Civic**

0986 356 174	0986 356 173	0986 356 172	0986 356 171				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 171	0986 356 172	0986 356 173	0986 356 174				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 174	0986 356 173	0986 356 172	0986 356 171				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 174	0986 356 173	0986 356 172	0986 356 171				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 171	0986 356 172	0986 356 173	0986 356 174				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 171	0986 356 172	0986 356 173	0986 356 174				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 171	0986 356 172	0986 356 173	0986 356 174				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 174	0986 356 173	0986 356 172	0986 356 171				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 171	0986 356 172	0986 356 173	0986 356 174				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 174	0986 356 173	0986 356 172	0986 356 171				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 171	0986 356 172	0986 356 173	0986 356 174				
--------------	--------------	--------------	--------------	--	--	--	--

0986 356 174	0986 356 173	0986 356 172	0986 356 171				
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**Civic CRX**

0986 356 171	0986 356 172	0986 356 173	0986 356 174				
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**Concerto**

0986 356 174	0986 356 173	0986 356 172	0986 356 171				
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◀ HONDA

1.5	1,5	66	D15B2	08.89-03.95	0 986 356 721	B 721
1.6	1,6	77/82	D16Z1; D16Z2	08.89-03.95	0 986 356 721	B 721
		90-96	D16A8	08.89-03.95	0 986 356 867	B 867
<b>CR-V</b>						
2.0	2,0	94-96/108	B20B; B20B4; B20Z1	10.95-07.02	0 986 357 150	B 150
<b>HR-V</b>						
1.6	1,6	77/92	D16W1; D16W2; D16W5	12.98-12.05	0 986 356 721	B 721
<b>Logo</b>						
1.3	1,3	48	D13B7	02.99-03.02	0 986 356 721	B 721
<b>Prelude</b>						
2.0	2,0	80/81-84	B20A; B20A3; B20A4	04.87-01.92	0 986 356 772	B 772
		98	F20A4	02.92-12.99	0 986 356 776	B 776
		101	B20A5	04.87-01.92	0 986 356 772	B 772
2.3	2,3	118	H23A2	02.92-09.96	0 986 356 776	B 776
<b>Shuttle</b>						
2.2	2,2	107	F22B8	01.95-12.97	0 986 356 793	B 793
2.3	2,3	110	F23A7	01.98-05.01	0 986 356 793	B 793

**HYUNDAI**

<b>Accent</b>						
1.3	1,3	44	G4AH	05.99-09.02	0 986 356 898	B 898
		44/53/55/ 61-63/67	G4E-A; G4EH; G4EH <Kat.>; G4EH <SOHC>	04.94-07.00	0 986 356 898	B 898
1.5	1,5	63/65-68/73	G4EK; G4EK <SOHC>; G4FK	07.94-07.99	0 986 356 898	B 898
		66	G4EB <SOHC Alpha>	08.99-03.06	0 986 356 898	B 898
		69	Alpha	11.99→	0 986 356 898	B 898
<b>Atos</b>						
0.8	0,8	39-42	G4HA <Epsilon>	09.97-08.00	MZV	0 986 356 990
				09.00-06.01	MZV	0 986 356 898
1.0	1,0	40	G4HC <Epsilon>	12.97-08.00	MZV	0 986 356 990
				09.00-06.01	MZV	0 986 356 898
				07.01-04.03		0 986 356 898
		43	G4HC-E			0 986 356 898
<b>Coupé</b>						
1.6	1,6	84-85	G4GR <Beta>	05.96-04.02	0 986 356 970	B 970
2.0	2,0	99-102	G4... <Beta>	05.96-04.02	0 986 356 970	B 970
<b>Elantra</b>						
1.5	1,5	53/63-66	G4DJ; G4DJ <New Orion>	10.90-04.95	0 986 356 813	B 813
		65-68	G4EK <Alpha>	07.96-09.00	0 986 356 898	B 898
1.6	1,6	78-84	G4DJ <New Sirius>	10.90-04.95	0 986 356 974	B 974
		84	4G61	05.95-09.00	0 986 356 970	B 970
1.8	1,8	93-93	G4CN	06.92-04.95	0 986 356 974	B 974
		101	G4GM <Beta>	05.95-09.00	0 986 356 970	B 970
2.0	2,0	102-105	G4GC... <2.0L MPI DOHC>	06.00-05.01	0 986 356 970	B 970
<b>Excel</b>						
1.3	1,3	43	G4DG <New Orion>; G4DG <SOHC New Orion>	04.89-07.94	0 986 356 813	B 813
		49/53	SOHC New Orion <G4DG>; 4G 13	04.89-07.94	0 986 356 813	B 813
		55	G4EH	07.94-07.99	0 986 356 898	B 898
1.5	1,5	53-62	G4DJ	04.89-07.94	0 986 356 813	B 813
		65-68/73	G4EK; G4FK	07.94-07.99	0 986 356 898	B 898
<b>Getz</b>						
1.3	1,3	60-63	G4E-A	09.02-08.05	0 986 356 898	B 898
<b>Grandeur</b>						
2.0	2,0	88	<4G63>	07.86-08.92		
2.4	2,4	95	4G 64	07.87-03.93		
<b>Lantra</b>						
1.5	1,5	53/63	G4DJ <New Orion>	10.90-04.95	0 986 356 813	B 813
		57	4G15	10.90-04.95	0 986 356 813	B 813
		65-68	G4EK <Alpha>	07.96-09.00	0 986 356 898	B 898
1.6	1,6	66/84	G4DJ <Beta>; G4GR <Beta>	05.95-09.00	0 986 356 970	B 970
		78-84	G4CR <New Sirius>	10.90-04.95	0 986 356 974	B 974





1	2	3	4	5	6	7	8
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				

**CR-V**

**HR-V**

0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174
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**Logo**

0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174
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**Prelude**

0 986 356 006	0 986 356 004	0 986 356 002	0 986 356 002
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0 986 356 042

0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
---------------	---------------	---------------	---------------

0 986 356 008	0 986 356 008	0 986 356 004	0 986 356 004
---------------	---------------	---------------	---------------

0 986 356 042

0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171
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**Shuttle**

0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171
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0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171
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**HYUNDAI**

**Accent**

**Atos**

**Coupé**

**Elantra**

**Excel**

**Getz**

**Grandeur**

0 986 356 006	0 986 356 008	0 986 356 008	0 986 356 013
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0 986 356 040

0 986 356 006	0 986 356 008	0 986 356 008	0 986 356 013
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0 986 356 040

**Lantra**





◀ HYUNDAI

1.8	1,8	93	G4CN <New Sirius>	06.92-04.95	0 986 356 974	B 974	
		94	G4GM <Beta>	05.95-09.00	0 986 356 970	B 970	
2.0	2,0	102	G4GF <Beta>	08.96-09.00	0 986 356 970	B 970	
<b>Pony</b>							
1.3	1,3	43/45-49	G4DG <New Orion>	04.89-07.94	0 986 356 813	B 813	
		62	G4EH	07.94-07.99	0 986 356 898	B 898	
1.5	1,5	53/61-62	G4DJ	04.89-07.94	0 986 356 813	B 813	
<b>Santa Fe</b>							
2.0	2,0	100	G4JP	04.01-12.05	0 986 356 991	B 991	
2.4	2,4	100/107	G4JS-G; G4JSX	02.00-12.05	0 986 356 991	B 991	
<b>Santamo</b>							
2.0	2,0	102	G4CP	05.99-12.02	0 986 356 974	B 974	
<b>Scoupe</b>							
1.5	1,5	60/71	New Orion <G4DJ>	02.90-07.92	0 986 356 813	B 813	
		62/65-68	G4DJ <New Orion>; G4EK <Alpha>	02.90-04.95	0 986 356 813	B 813	
		84-85	G4EK-TC <Alpha>	04.91-04.95			
				07.92-04.95	0 986 356 813	B 813	
<b>Sonata</b>							
1.8	1,8	98	G4CM <New Sirius>	03.98-03.01	0 986 356 991	B 991	
2.0	2,0	77	G4CP <New Sirius 4G63>	06.88-10.93			
		92/102/107	G4CP <New Sirius>	07.93-06.98	0 986 356 974	B 974	
		96	G4CP <New Sirius 4G63>	09.90-06.93			
		96-98	G4JP	04.01-11.04	0 986 356 991	B 991	
		100/108	G4CP	03.98-03.01	0 986 356 991	B 991	
2.5	2,5	118/129	G6AV	03.98-03.01	0 986 356 992	B 992	
2.7	2,7	127-132	G6BA	04.01-01.05	0 986 356 992	B 992	
3.0	3,0	107	G6AT; G6AT <6G72>	04.91-06.98	0 986 357 178	B 178	
<b>Stellar</b>							
1.5	1,5	51	4G33	09.89-12.01			
<b>Trajet</b>							
2.0	2,0	100/103	G4GC... <Beta>; G4JP-G	01.00-02.04	0 986 356 991	B 991	
2.7	2,7	127	DOHC Delta; G6BA...	10.99-06.07	0 986 356 992	B 992	
<b>XG</b>							
25	2,5	120	G6BV <Delta>	12.98-11.02	0 986 356 992	B 992	

**INNOCENTI (NUOVA INNOCENTI)**

<b>Elba</b>						
1.3	1,3	37,7	146 A 5.000 <M1>	03.91-09.93		
1.6	1,6	60	149 C 1.000 SPI-RB <M3>	03.91-09.93	0 986 356 718	B 718

**ISUZU**

<b>Aska</b>						
2.0	2,0	81/110	4ZC1; 4ZC1T	04.83-12.93		
<b>Gemini</b>						
1.5	1,5	52-54/88	4XC1; 4XC1U; 4XC1UT	11.84-12.93		
1.6	1,6	84-85	4XE1	08.88-12.93		
<b>Trooper</b>						
2.6	2,6	85-90	4ZE1	10.88-08.91	0 986 356 868	B 868

**JAGUAR**

<b>Daimler</b>						
4.2	4,2	123		01.84-10.95		
<b>XJ 6</b>						
3.6	3,6	165	AJ6	10.86-12.95	0 986 356 788	B 788
4.0	4,0	163/185	; 9 EPCNA	10.87-12.95	0 986 356 788	B 788



1 2 3 4 5 6 7 8

**Pony**

**Santa Fe**

**Santamo**

**Scoupe**

0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 042

**Sonata**

0 986 356 006 0 986 356 008 0 986 356 008 0 986 356 013 0 986 356 040

0 986 356 006 0 986 356 008 0 986 356 008 0 986 356 012 0 986 356 038

**Stellar**

0 986 356 006 0 986 356 008 0 986 356 008 0 986 356 010 0 986 356 040

**Trajjet**

**XG**

**INNOCENTI (NUOVA INNOCENTI)**

**Elba**

0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

**ISUZU**

**Aska**

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

**Gemini**

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

**Trooper**

0 986 356 119 0 986 356 119 0 986 356 120 0 986 356 120 0 986 356 098

**JAGUAR**

**Daimler**

0 986 356 023 0 986 356 025 0 986 356 025 0 986 356 027 0 986 356 029 0 986 356 029 0 986 356 040

**XJ 6**





**JEEP**

<b>Grand Cherokee</b>							
4.0	4,0	130-135	ERH <6L <S MPI>>		09.92-04.99	<b>0 986 357 229</b>	<b>B 229</b>
5.2	5,2	156	ELF,ELO <<Y MPI>>		09.92-04.99	<b>0 986 357 118</b>	<b>B 118</b>
5.9	5,9	177	EML,EMO <Z MPI>		01.97-04.99	<b>0 986 357 118</b>	<b>B 118</b>
<b>Wagoneer</b>							
4.0	4,0	125	6L <S MPI>		01.90-12.95	<b>0 986 357 229</b>	<b>B 229</b>

**KIA**

<b>Capital</b>							
1.8	1,8	70	F8		05.90-06.95	<b>0 986 356 735</b>	<b>B 735</b>
						ZMB	
						ZMS	

<b>Concord</b>							
1.8	1,8	70	SOHC <Mazda-F8>		10.87-02.92	<b>0 986 356 735</b>	<b>B 735</b>
						ZMB	
						ZMS	
						03.92-06.95	

<b>Joice</b>							
2.0	2,0	88/102	;G4CP		08.99-03.03	<b>0 986 356 974</b>	<b>B 974</b>

<b>Magentis</b>							
2.0	2,0	100	G4JP		09.00-12.05	<b>0 986 356 991</b>	<b>B 991</b>

<b>Pride</b>							
1.1	1,1	38	B1		01.91-01.00		
1.3	1,3	44-47/51/54	B3		01.90-02.00		

<b>Sephia</b>							
1.5	1,5	59	B5		09.96-12.97	<b>0 986 356 735</b>	<b>B 735</b>
						ZMB	
						ZMS	
		68	B5		01.92-10.94	<b>0 986 356 735</b>	<b>B 735</b>
						ZMB	
						ZMS	
1.6	1,6	59	B6		07.93-12.97	<b>0 986 356 735</b>	<b>B 735</b>
						ZMB	
						ZMS	

<b>Sorento</b>							
2.4	2,4	102	G4JS		03.03-04.06	<b>0 986 356 991</b>	<b>B 991</b>

<b>Sportage</b>							
2.0	2,0	87/94/95	FE; FED		04.94-08.04	<b>0 986 357 203</b>	<b>B 203</b>

**LADA**

<b>Forma</b>							
1.3	1,3	45			09.91-12.00	<b>0 986 356 726</b>	<b>B 726</b>
1.5	1,5	53	BA3/21083		09.91-12.00	<b>0 986 356 726</b>	<b>B 726</b>

<b>Niva</b>							
1.6	1,6	54	2121		01.87-03.95	<b>0 986 356 768</b>	<b>B 768</b>
		56	1600		09.87-12.99	<b>0 986 356 768</b>	<b>B 768</b>
		56-58	2121		12.76-12.96		
1.7	1,7	59-62	21214-10 <Euro 2>		07.96-12.99		

<b>Riva</b>							
1200	1,3	47	21012		11.85-12.95	<b>0 986 356 828</b>	<b>B 828</b>
1300	1,3	49	21056		11.85-12.95	<b>0 986 356 828</b>	<b>B 828</b>
1500	1,5	55	21026		11.85-12.95	<b>0 986 356 828</b>	<b>B 828</b>
1600	1,6	63	21062		01.86-12.95	<b>0 986 356 828</b>	<b>B 828</b>

<b>Samara</b>							
1.1	1,1	39/43	21081;21081-10		01.84→	<b>0 986 356 726</b>	<b>B 726</b>
1.3	1,3	45-48/50	2108		01.84→	<b>0 986 356 726</b>	<b>B 726</b>



1 2 3 4 5 6 7 8

**JEEP**

Grand Cherokee

Wagoneer

**KIA**

Capital

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

Concord

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

0 986 356 025 0 986 356 023 0 986 356 019 0 986 356 019

Joice

Magentis

Pride

0 986 356 008 0 986 356 008 0 986 356 004 0 986 356 002

0 986 356 040

0 986 356 008 0 986 356 008 0 986 356 004 0 986 356 002

0 986 356 040

Sephia

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

Sorento

Sportage

**LADA**

Forma

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118

Niva

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 049

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 049

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 044

0 986 356 002 0 986 356 004 0 986 356 006 0 986 356 008

0 986 356 046

Riva

0 986 356 021 0 986 356 021 0 986 356 023 0 986 356 025

0 986 356 044

0 986 356 021 0 986 356 021 0 986 356 023 0 986 356 025

0 986 356 044

0 986 356 021 0 986 356 021 0 986 356 023 0 986 356 025

0 986 356 044

0 986 356 021 0 986 356 021 0 986 356 023 0 986 356 025

0 986 356 044

Samara

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118





◀ LADA

1.5	1,5	50	2111	03.93-12.00		0 986 356 726	B 726
		50-53/55	; 2108	01.86→		0 986 356 726	B 726
		52/57	21083	01.84→		0 986 356 726	B 726
		60	2111	01.95→	ZVM	0 986 357 163	B 163
<b>Serie 110</b>							
1.5	1,5	54/56/57	2110; 2110 <R-83>; 2111/2111-12 <R-83>	01.96-12.04		0 986 356 726	B 726
		68	2112	06.99-12.00		0 986 357 260	B 260
<b>Serie 111</b>							
1.5	1,5	56	2110 <R-83>	01.96-12.04		0 986 356 726	B 726
		68/70	2112; 2112-10/16	01.96-12.04		0 986 357 260	B 260
<b>Serie 112</b>							
1.5	1,5	67/69	2112	01.96-12.04		0 986 357 260	B 260
<b>Serie 115</b>							
1.3	1,3	47	2114	01.98→		0 986 356 726	B 726
1.5	1,5	52	2114	01.98→		0 986 356 726	B 726
<b>Serie 2100</b>							
2104	1,5	55	2103	01.88-12.93		0 986 356 828	B 828
2105	1,2	44	2102	09.81-12.93		0 986 356 828	B 828
	1,3	48	2105	05.81-12.93		0 986 356 828	B 828
	1,4	55-56	2103	09.86-12.93		0 986 356 828	B 828
	1,5	55	2103	01.88-12.93		0 986 356 828	B 828
2106	1,6	55	2106 <Euro 2>	09.75→		0 986 356 828	B 828
2107	1,6	56	2106	05.81-12.93		0 986 356 828	B 828
2107-02	1,5	52	2103	01.86→	WCP	0 986 356 828	B 828
<b>Serie 21000</b>							
21061	1,5	48		01.82→		0 986 356 828	B 828
21063	1,3	48	21011	01.86→		0 986 356 828	B 828
21072	1,3	48		02.86→	WCP	0 986 356 828	B 828
21074	1,6	55	2106 <Euro 2>	05.82→	WCP	0 986 356 828	B 828
21077	1,3	48	2105	01.86-12.00	WCP	0 986 356 828	B 828
21099	1,5	56,4	2111...	01.90-01.04		0 986 356 726	B 726
<b>Toscana</b>							
1.4	1,4	55	2103	01.86-12.00	WCP	0 986 356 828	B 828
1.5	1,5	55	2103	01.86-12.00	WCP	0 986 356 828	B 828

**LANCIA**

**Dedra**

1.6	1,6	57/65	835A1.000 SPI-Weber <M1 / M5>; 835A1.046 Kat <M2>	01.89-10.94		0 986 356 718	B 718
		66	159B9.000 MPI-GM <M1>	10.94-04.98		0 986 356 738	B 738
		76	182A4.000 MPI-Weber <M6>	04.98-10.99		0 986 357 261	BW261
					WW	0 986 356 787	B 787
1.8	1,8	77/80	835A2.000 MPI-Weber <M3>; 835A2.046 Kat <M4>	01.89-10.94		0 986 356 869	B 869
2.0	2,0	83	835A5.046 Kat <M3>	10.94-10.99		0 986 357 183	B 183
		83/119/121/124	835A5.046 Kat <M6>; 835A7.000 <M3>; 835A7.046 Kat <M4>; 835A8.046 Kat <M2>	09.89-10.94		0 986 356 869	B 869
		86	835A5.000 MPI-Weber <M5>	01.89-07.92		0 986 356 869	B 869
		102	836A3.000 MPI-Weber <M1>	10.94-10.99		0 986 356 791	B 791

**Delta**

1.3	1,3	55-58	831B.000 <M2>	05.86-08.92			
1.4	1,4	51	160A1.046 <SF M1>	06.93-04.94		0 986 356 846	B 846
1.6	1,6	66	149C2.000 Kat <M2>	05.87-08.92		0 986 356 861	B 861
		66/76	182A4.000 <SF M9>; 182A6.000 <SF M10>	01.96-12.99		0 986 357 261	BW261
					WW	0 986 356 787	B 787
		80/97/103	831B3.000 MPI-Weber <M3>; 831B7.000 MPI-Weber <M1>; 831B7.046 Kat <M4>	05.86-08.92			
2.0	2,0	102	836A3.000 <SG M1>	06.93-12.95		0 986 356 791	B 791
		137	175A4.000 <SG M4>	09.96-12.99		0 986 356 709	B 709
			836A2.000 <SG M2>	06.93-09.96		0 986 356 709	B 709
		147	831D5.000 MPI-Weber <M4>	03.89-09.91		0 986 356 861	B 861





1	2	3	4	5	6	7	8
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							<b>Serie 110</b>
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							<b>Serie 111</b>
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							<b>Serie 112</b>
							<b>Serie 115</b>
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							<b>Serie 2100</b>
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
							<b>Serie 21000</b>
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							<b>Toscana</b>
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
							<b>LANCIA</b>
							<b>Dedra</b>
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 040
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 040
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 040
							<b>Delta</b>
0986 356 017	0986 356 021	0986 356 023	0986 356 025				0986 356 044
							0986 356 038
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 040
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 044
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 044
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 044
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 044
0986 356 021	0986 356 021	0986 356 023	0986 356 025				0986 356 040





◀ LANCIA

Lybra											
1.6	1,6	76	182A4.000 <M1 CF2>; 182B6.000 <M2 CF3>			10.99-09.05		0 986 357 261	B W261		
							WW	0 986 356 787	B 787		
Musa											
1.4	1,4	55/57	350A1000 <M7>; 350A1000 <M11>			03.05-→		0 986 357 286	B 286		
Thema											
2.0	2,0	86	834 B 1.000 <M1>			06.88-05.92					
		107/108/132/136	834 B 2.000 <M4>; 834 B 2.246 Kat <M5>; 834 C 1.000 <M6>; 834 C 1.246 Kat <M7>			06.88-05.92		0 986 356 709	B 709		
		112/148	834 F 1.000 <M1>; 834 F 2.000 <M2>			05.92-11.94		0 986 356 892	B 892		
Y											
1.1	1,1	40	176B2.000 SPI-Weber <M5 CF2>			04.97-06.00		0 986 356 754	B 754		
1.2	1,2	44	188A4.000 <M1 CF3>			06.00-06.03		0 986 356 754	B 754		
			840A3.000 SPI-Weber <M1 CF2>			01.96-06.00		0 986 356 754	B 754		
		63	176B9.000 MPI-Weber <M4 CF2>			04.97-06.00		0 986 357 258	B W258		
			188A5.000 <M2 CF3>			06.00-06.03		0 986 357 181	B 181		
1.4	1,4	55/59	840A2.000 SPI-Bosch <M2>; 840A4.000 SPI-Bosch <M3>			01.96-06.00	RBE	0 356 912 881	ES 881		
Y 10											
1.0	1,0	33	156A2.246 SPI-Bosch <M3>			10.87-02.92		0 986 356 853	B 853		
1.3	1,3	53	146A5.046 Kat <M7>			02.89-09.92					
			146A5.046 MPI-Bosch <M2>			09.92-12.95		CSA	0 986 357 131	B 131	
			146A5.046 MPI-Bosch <M7>; 156B.000 <M6>			01.89-09.92		CSA	0 986 357 131	B 131	
								CSA	0 986 357 131	B 131	
		56/57									
Ypsilon											
1.2	1,2	44	188 A4.000 <M1>			06.03-11.11		0 986 356 754	B 754		
		51	169 A4.000			06.11-→		EU5	0 986 357 286	B 286	
1.4	1,4	55	350 A1.000 <M11>			10.06-11.11		0 986 357 286	B 286		
ZETA											
2.0	2,0	110	RGX <M1>			09.94-06.99		0 986 357 098	B 098		

LAND ROVER GROUP

Defender										
2.5	2,5	62				08.90-09.01		0 986 356 759	B 759	
3.5	3,5	100	V8			08.90-12.98				
Discovery I										
2.0	2,0	100	20 T4 <MPi>			10.93-06.98		0 986 357 188	B 188	
3.5	3,5	107	V8 3.5			09.89-12.98				
		110-119	22D <Kat.>			09.89-12.98		0 986 356 831	B 831	
3.9	3,9	134	V8 3.9 <Efi>			10.93-12.98		0 986 356 831	B 831	
Freelander										
1.8	1,8	84-88	K18 / 18K16 <K-Serie>			09.97-03.07		0 986 357 223	B 223	
Range Rover I										
3.9	3,9	127/134	35D,36D <V8-Efi-KAT>; 37D,38D <V8-Efi-KAT>			11.88-04.96		0 986 356 831	B 831	
4.3	4,3	147-149	40D <V8-Efi-KAT>			09.92-01.94				
Range Rover II										
4.0	4,0	136-140	42D			09.94-08.02		0 986 356 707	B 707	
								0 986 356 819	B 819	
4.6	4,6	158-166	46D			09.94-08.02		0 986 356 707	B 707	
								0 986 356 819	B 819	

LEXUS

LS										
400	4,0	185/186/194/203-209	1UZFE			10.94-08.00		0 986 357 204	B 204	



1 2 3 4 5 6 7 8

**Lybra**

**Musa**

**Thema**

0 986 356 025 0 986 356 023 0 986 356 021 0 986 356 021 0 986 356 044

**Y**

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264  
 0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264  
 0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

**Y 10**

0 986 356 058 0 986 356 057 0 986 356 056 0 986 356 055 0 986 356 004  
 0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 042  
 0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 040  
 0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 042

**Ypsilon**

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

**ZETA**

**LAND ROVER GROUP**

**Defender**

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 040  
 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046

**Discovery I**

0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046  
 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046  
 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046

**Freelander**

0 986 356 108 0 986 356 109 0 986 356 139 0 986 356 139 0 986 356 097

**Range Rover I**

0 986 356 021 0 986 356 010 0 986 356 023 0 986 356 010 0 986 356 021 0 986 356 010 0 986 356 023 0 986 356 010 0 986 356 044  
 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046

**Range Rover II**

0 986 356 023 0 986 356 025 0 986 356 023 0 986 356 008 0 986 356 006 0 986 356 008 0 986 356 006 0 986 356 004  
 0 986 356 023 0 986 356 025 0 986 356 023 0 986 356 008 0 986 356 006 0 986 356 008 0 986 356 006 0 986 356 004  
 0 986 356 023 0 986 356 025 0 986 356 023 0 986 356 008 0 986 356 006 0 986 356 008 0 986 356 006 0 986 356 004  
 0 986 356 023 0 986 356 025 0 986 356 023 0 986 356 008 0 986 356 006 0 986 356 008 0 986 356 006 0 986 356 004

**LEXUS**

**LS**





**LEYLAND-FREIGHT ROVER**

Sherpa						
200	1,7	45-52	Leyland-DAF			11.86-12.98
	2,0	63-66	Leyland-DAF			11.86-12.98
230	1,7	45-52	Leyland-DAF			11.86-12.98
	2,0	63-66	Leyland-DAF			11.86-12.98
250	1,7	45-52	Leyland-DAF			11.86-12.98
	2,0	63-66	Leyland-DAF			11.86-12.98
255	1,7	45-52	Leyland-DAF			11.86-12.98
	2,0	63-66	Leyland-DAF			11.86-12.98
280	1,7	45-52	Leyland-DAF			11.86-12.98
	2,0	63-66	Leyland-DAF			11.86-12.98

**LOTUS**

Elise						
1.8	1,8	88	K-Serie			03.99-11.00      0 986 357 160    B 160

**MAZDA**

Demio						
1.3	1,3	46/53	B3			05.98-02.03      0 986 357 265    B 265
1.5	1,5	55	B5			01.00-02.03      0 986 357 265    B 265
MPV						
2.3	2,3	104	L3			03.02-06.04      0 986 357 287    B 287
MX-5						
1.6	1,6	66	B6			12.94-11.97      0 986 356 742    B 742
		81	B6D			01.98-07.05      0 986 356 742    B 742
		85	B64F			08.89-08.93      0 986 356 742    B 742
1.8	1,8	96-98	BPF1			09.93-11.94      0 986 356 742    B 742
						0 986 357 288    B 288
		98	BP			09.93-11.97      0 986 357 288    B 288
		103-106	BPD			01.98-08.00      0 986 357 288    B 288
MX-6						
2.5	2,5	121-123	KL			07.91-06.97      0 986 356 966    B 966
RX-7						
Turbo	1,3	147	13B <Kat.>			03.89-11.91
Xedos-6						
2.0	2,0	103	KF1			04.96-02.99      0 986 356 966    B 966
		105-108	KF1			01.92-03.94      0 986 356 966    B 966
Xedos-9						
2.5	2,5	123-125	KL			07.93-07.98      0 986 356 966    B 966
6						
1.8	1,8	88	L8			02.02-02.05      0 986 357 287    B 287
2.0	2,0	104-108	LF			02.02-02.05      0 986 357 287    B 287
2.3	2,3	119/122	L3			02.02-02.05      0 986 357 287    B 287
121						
1.1	1,1	40	B1			11.90-12.95      0 986 356 789    B 789
1.25	1,3	55	DH...			01.96-10.99      0 986 356 805    B 805
1.3	1,3	37/44	JJ...; J4...			01.96-10.99      0 986 357 257    BW257
		39-40/44/53-56	B3			11.90-12.95      0 986 356 789    B 789
323						
P 1.3	1,3	54	B3			09.98-10.00      0 986 357 195    B 195
		54-55	B3			10.96-09.00      0 986 357 165    B 165
P 1.5	1,5	65	ZL			09.98-10.00      0 986 357 266    B 266
			Z5			10.96-09.00      0 986 357 149    B 149
1.3	1,3	50	B383			06.89-03.91      0 986 356 859    B 859
		54	B3			05.98-09.03      0 986 357 195    B 195
		54-55	B3			06.94-06.98      0 986 357 165    B 165





1 2 3 4 5 6 7 8

**LEYLAND-FREIGHT ROVER**

**Sherpa**

0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042

**LOTUS**

**Elise**

**MAZDA**

**Demio**

**MPV**

**MX-5**

**MX-6**

**RX-7**

0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 044
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**Xedos-6**

**Xedos-9**

**6**

**121**

0 986 356 146	0 986 356 147	0 986 356 148	0 986 356 148	
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**323**

0 986 356 006	0 986 356 006	0 986 356 004	0 986 356 002	
0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 008	

**0 986 356 042**

0 986 356 006	0 986 356 006	0 986 356 004	0 986 356 002	
0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 008	





◀ MAZDA

1.3	1,3	54-55	B3F5	04.91-05.96		
		55	B3F	04.91-05.96	<b>0 986 356 859</b>	<b>B 859</b>
			B38	06.89-03.91	<b>0 986 356 859</b>	<b>B 859</b>
		58	B3F <Kat.>	03.91-07.94		
			B38 <Kat.>	06.89-03.91		
1.5	1,5	65	ZL	05.98-01.01	<b>0 986 357 266</b>	<b>B 266</b>
		65-71	Z5	06.94-07.98	<b>0 986 357 149</b>	<b>B 149</b>
1.6	1,6	62/63-66	B6; B6 <Kat.>; B61; B61T <Kat.>; B62; B65L <Kat.>; B65M <Kat.>	06.89-10.95	<b>0 986 356 859</b>	<b>B 859</b>
		64	B67	03.91-07.94	<b>0 986 356 859</b>	<b>B 859</b>
			B67 <Kat.>	03.91-07.94	<b>0 986 356 859</b>	<b>B 859</b>
		65-66	B67	03.91-02.97		
		70-72/78	M; ZM	07.98 →	<b>0 986 357 266</b>	<b>B 266</b>
1.8	1,8	69/76-78/132	BPC <Kat.>; BPC2 <Kat.>; BPC7 <Kat.>; BP52; BP55 <Kat.>	11.89-05.94	<b>0 986 356 760</b>	<b>B 760</b>
		76-78	BP <SOHC Kat.>	03.91-05.94	<b>0 986 356 859</b>	<b>B 859</b>
		76-78/94-96/ 103/136-139	BP <DOHC>; BP <DOHC Kat.>; BP <Kat.>	06.89-07.94	<b>0 986 356 760</b>	<b>B 760</b>
		84-85/92/99	BP	08.94-06.98	<b>0 986 357 149</b>	<b>B 149</b>
		92	P	08.95-06.98	<b>0 986 357 149</b>	<b>B 149</b>
2.0	2,0	104	F; KF/F	05.94-06.98	<b>0 986 356 966</b>	<b>B 966</b>
<b>323 F</b>						
1.5	1,5	65-66	Z5	05.94-07.95	<b>0 986 357 149</b>	<b>B 149</b>
1.8	1,8	84-85	BP	08.94-07.95	<b>0 986 357 149</b>	<b>B 149</b>
<b>626</b>						
1.6	1,6	54-60	; F68	06.87-07.91		
1.8	1,8	65-66	F8	07.87-07.91		
		66/77	FP	08.91-03.97	<b>0 986 357 241</b>	<b>B 241</b>
2.0	2,0	66	FE <Kat.>	06.87-07.91		
		66/103	FEKF <Kat.>; FEKG <Kat.>	03.92-04.96		
		75	FE	03.88-03.92		
		85-86	FS	08.91-03.97	<b>0 986 357 241</b>	<b>B 241</b>
2.5	2,5	121-123	KL	09.91-03.97	<b>0 986 356 966</b>	<b>B 966</b>

**MERCEDES-BENZ**

**Serie A (169)**

150	1,5	70	M 266.920 <E 15>	09.04-04.09	RBE	
160	1,5	70	M 266.920 <E 15>	04.09 →	RBE	
170	1,7	85	M 266.940 <E 17>	09.04-04.09	RBE	
180	1,7	85	M 266.940 <E 17>	04.09 →	RBE	
200	2,0	100	M 266.960 <E 20>	04.04 →	RBE	

**Serie B (245)**

150	1,5	70	M 266.920 <E 15>	04.05-04.09	RBE	
160	1,5	70	M 266.920 <E 15>	04.09 →	RBE	
170	1,7	85	M 266.940 <E 17>	04.05-04.09	RBE	
		2,0	M 266.960 <E 20>	05.08-04.09	RBE	
180	1,7	85	M 266.940 <E 17>	04.09 →	RBE	
		2,0	M 266.960 <E 20>	05.09 →	RBE	
200	2,0	100	M 266.960 <E 20>	04.05 →	RBE	

**Serie C (202)**

43 AMG	4,3	225	M 113.944	10.97-02.01	HI,RBE RBE,VO	
180	1,8	90	M 111.920 <E 18>			
			→ Mot.Nr. ...017110; ..045966	03.93-08.95		<b>0 986 356 351 B 351</b>
			Mot.Nr. ...017111; ..045967 →	03.93-08.95		<b>0 986 356 352 B 352</b>
				05.96-02.01		<b>0 986 356 352 B 352</b>
			M 111.921 <E 18>	09.95-02.01		<b>0 986 356 311 B 311</b>
200	2,0	100	M 111.941 <E 20>	09.95-02.01		<b>0 986 356 352 B 352</b>
			M 111.945	01.94-02.01		<b>0 986 356 311 B 311</b>
		132-141	M 111.944 <E 20 ML>	09.95-04.00		<b>0 986 356 311 B 311</b>
220	2,2	110	M 111.961 <E 22>	09.95-09.96		<b>0 986 356 311 B 311</b>
230	2,3	110/142	M 111.974; M 111.974 <E 23>; M 111.975 <E 23 ML>	09.95-04.00		<b>0 986 356 311 B 311</b>





1	2	3	4	5	6	7	8
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 042
							0 986 356 042
							0 986 356 042
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 038
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 042
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 042
							0 986 356 042
							0 986 356 042
							0 986 356 042
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 004				0 986 356 042
							0 986 356 042

323 F

626

0 986 356 049
0 986 356 049
0 986 356 049
0 986 356 049
0 986 356 049

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Serie A (169)

0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019

Serie B (245)

0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019

Serie C (202)

0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948
0 986 357 710	0 986 357 709	0 986 357 709	0 986 357 710				
0 356 912 982	0 356 912 982	0 356 912 983	0 356 912 982				
0 356 912 982	0 356 912 983	0 356 912 983	0 356 912 982				





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240	2,4	125	M 112.910 <E 24>	06.97-02.01	HI,RBE RBE,VO		
	2,6	125	M 112.915 <E 26>	08.00-02.01	HI,RBE RBE,VO		
280	2,8	142	M 104.941	05.93-08.95		<b>0 986 356 316</b>	<b>B 316</b>
		145	M 112.920; M 112.920 <E 28>	09.95-05.97		<b>0 986 356 329</b>	<b>B 329</b>
				06.97-02.01	HI,RBE RBE,VO		
<b>Serie C (203)</b>							
55 AMG	5,4	270	M 113.988 <E 55>	02.04-08.07	HI,RBE RBE,VO		
240	2,6	125	M 112.912 <E 26>; M 112.916 <E 26>	05.00-06.05	HI,RBE RBE,VO		
320	3,2	160	M 112.946 <DE LA>; M 112.946 <E 32>; M 112.953 <E 32>	05.00-06.05	HI,RBE RBE,VO		
<b>Serie CL (140)</b>							
420	4,2	205	M 119.971,981	06.96-08.99		<b>0 986 356 315</b>	<b>B 315</b>
500	5,0	235	M 119.970,980	06.96-08.99		<b>0 986 356 315</b>	<b>B 315</b>
<b>Serie CL (215,216)</b>							
55 AMG	5,4	265/368	M 113.986 <E 55>; M 113.991 <E 55 ML AMG>	09.99-08.06	HI,RBE RBE,VO		
500	5,0	225	M 113.960 <E 50>	09.99-05.06	HI,RBE RBE,VO		
<b>Serie CLK (208,209)</b>							
55 AMG	5,4	255/270	M 113.984 <E55>; M 113.987 <E 55>	05.99-08.06	HI,RBE RBE,VO		
240	2,6	125	M 112.912 <E 26>	05.02-03.05	HI,RBE RBE,VO		
320	3,2	160	M 112.940 <E32>; M 112.955 <E 32>	01.97-03.05	HI,RBE RBE,VO		
430	4,3	205	M 113.943 <E43>	09.98-01.03	HI,RBE RBE,VO		
500	5,0	225	M 113.968 <E 50>	05.02-07.06	HI,RBE RBE,VO		
<b>Serie CLS (218,219)</b>							
55 AMG	5,4	350	M 113.990 <E 55>	06.04-08.06	HI,RBE RBE,VO		
500	5,0	225	M 113.967 <E 50>	06.04-04.06	HI,RBE RBE,VO		
<b>Serie E (124)</b>							
36 AMG		195-200	M 104.992	07.93-08.95		<b>0 986 356 316</b>	<b>B 316</b>
				09.95-06.98		<b>0 986 356 329</b>	<b>B 329</b>
60 AMG	6,0	280	M 119.974	07.93-06.95		<b>0 986 356 315</b>	<b>B 315</b>
200	2,0	100	M 111.940 → Mot.Nr. ...017707; ..040193 Mot.Nr. ...017707; ..040193 →	07.93-07.95		<b>0 986 356 351</b>	<b>B 351</b>
				07.93-07.95			
				07.93-08.95	CA,COU,KOB	<b>0 986 356 351</b>	<b>B 351</b>
				09.95-06.98	CA,COU,KOB	<b>0 986 356 352</b>	<b>B 352</b>
220	2,2	110	M 111.960	07.93-08.95		<b>0 986 356 351</b>	<b>B 351</b>
				09.95-06.98		<b>0 986 356 352</b>	<b>B 352</b>
280	2,8	142-145	M 104.942	07.93-08.95		<b>0 986 356 316</b>	<b>B 316</b>
				09.95-05.96		<b>0 986 356 329</b>	<b>B 329</b>
300	3,0	132	M 103.985	07.93-06.95		<b>0 986 356 332</b>	<b>B 332</b>
320	3,2	162-170	M 104.992	05.93-08.95		<b>0 986 356 316</b>	<b>B 316</b>
				09.95-06.98		<b>0 986 356 329</b>	<b>B 329</b>
420	4,2	205/210	M 119.975	07.93-06.95		<b>0 986 356 315</b>	<b>B 315</b>
500	5,0	235-240	M 119.974	07.93-06.95		<b>0 986 356 315</b>	<b>B 315</b>
<b>Serie E (210)</b>							
50 AMG	5,0	205-235	M 119.980,985	01.96-08.97		<b>0 986 356 315</b>	<b>B 315</b>
					HI,RBE RBE,VO		
55 AMG	5,5	260	M 113.980 <E55>	09.97-03.03	HI,RBE RBE,VO		





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<b>200</b>	2,0	100	M 111.942 <E20>	05.96-01.03		<b>0 986 356 311</b>	<b>B 311</b>
		137	M 111.947 <E20>	09.97-01.03		<b>0 986 356 311</b>	<b>B 311</b>
<b>230</b>	2,3	110	M 111.970 <E23>	06.95-08.97		<b>0 986 356 311</b>	<b>B 311</b>
<b>240</b>	2,4	125	M 112.911 <E24>	09.97-04.00	RBE,VO		
				09.97-01.03	HI,RBE		
	2,6	125	M 112.914 <E26>	06.99-01.03	HI,RBE RBE,VO		
<b>280</b>	2,8	142	M 104.945	01.96-02.97		<b>0 986 356 316</b>	<b>B 316</b>
		150	M 112.921 <E28>	06.95-01.03	HI,RBE RBE,VO		
<b>320</b>	3,2	162	M 104.995	06.95-08.95		<b>0 986 356 316</b>	<b>B 316</b>
				09.95-02.97		<b>0 986 356 329</b>	<b>B 329</b>
	165	M 112.941 <E32>	03.97-05.99	HI,RBE RBE,VO			
				07.99-08.03	HI,RBE RBE,VO		
<b>420</b>	4,2	205	M 119.985	01.96-08.97		<b>0 986 356 315</b>	<b>B 315</b>
<b>430</b>	4,3	205	M 113.940 <E43>	06.97-01.03	HI,RBE RBE,VO		
<b>Serie E (211)</b>							
<b>55 AMG</b>	5,4	350	M 113.990 <E 55 ML AMG>	10.02-05.06	HI,RBE RBE,VO		
<b>240</b>	2,6	130	M 112.913 <E 26>; M 112.917 <E 26>	03.02-08.09	HI,RBE RBE,VO		
<b>320</b>	3,2	165	M 112.949 <E 32>; M 112.954 <E 32>	03.02-03.05	HI,RBE RBE,VO		
<b>500</b>	5,0	225	M 113.967 <E 50>; M 113.969 <E 50>	03.02-08.06	HI,RBE RBE,VO		
<b>Serie G (460,461,463)</b>							
<b>55 AMG</b>	5,4	350-373	M 113.993 <E 55>	04.04→	HI,RBE RBE,VO		
<b>200</b>	2,0	80	M 102.965	01.90-07.93		<b>0 986 356 333</b>	<b>B 333</b>
<b>230</b>	2,3	90-95	M 102.979; M 102.979;996; M 102.987 <KAT>; M 102.989	03.86-09.95		<b>0 986 356 333</b>	<b>B 333</b>
<b>300</b>	3,0	125/126	M 103.987	09.89-10.94		<b>0 986 356 332</b>	<b>B 332</b>
<b>320</b>	3,2	154/158	M 112.945 <E 32>	06.97-08.06	HI,RBE RBE,VO		
	155	M 104.996	08.93-08.95		<b>0 986 356 316</b>	<b>B 316</b>	
				09.95-11.97		<b>0 986 356 329</b>	<b>B 329</b>
<b>500</b>	5,0		M 113.962	09.01-08.08	HI,RBE RBE,VO		
		218	M 113.962	04.98-09.05	HI,RBE RBE,VO		
<b>Serie ML (163,164)</b>							
<b>55 AMG</b>	5,4	255	M 113.981 <E 55>	03.00-06.05	HI,RBE RBE,VO		
<b>320</b>	3,2	160	M 112.942 <E 32>	03.98-09.02	HI,RBE RBE,VO		
<b>350</b>	3,7	173/180	M 112.970 <E 37>	08.02-06.05	HI,RBE RBE,VO		
<b>430</b>	4,3	200	M 113.942 <E 43>	09.98-07.02	HI,RBE RBE,VO		
<b>500</b>	5,0	215	M 113.965 <E 50>	09.01-06.05	HI,RBE RBE,VO		
		225	M 113.964 <E 50>	09.05-08.07	HI,RBE RBE,VO		
<b>Serie R</b>							
<b>500</b>	5,0	225	M 113.971 <E 50>	02.06-04.07	HI,RBE RBE,VO		
<b>Serie S (140)</b>							
<b>280</b>	2,8	142-145	M 104.944	06.93-08.95		<b>0 986 356 316</b>	<b>B 316</b>
				09.95-09.98		<b>0 986 356 329</b>	<b>B 329</b>







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<b>300</b>	2,8	142-145	M 104.944	09.92-05.93	GS	<b>0 986 356 316</b>	<b>B 316</b>
	3,2	170	M 104.99...	03.91-05.93		<b>0 986 356 314</b>	<b>B 314</b>
<b>320</b>	3,2	170	M 104.994; M104994...	03.93-02.99		<b>0 986 356 314</b>	<b>B 314</b>
<b>400</b>	4,2	205-210	M 119.971;981	02.91-05.93		<b>0 986 356 315</b>	<b>B 315</b>
<b>420</b>	4,2	205-210	M 119.971;981	06.93-09.98		<b>0 986 356 315</b>	<b>B 315</b>
<b>500</b>	5,0	235-240	M 119.970;980	02.91-09.98		<b>0 986 356 315</b>	<b>B 315</b>
<b>600</b>	6,0	290-300	M 120.98... <M 120>	04.91-09.98		<b>0 986 356 313</b>	<b>B 313</b>
<b>Serie S (220)</b>							
<b>55 AMG</b>	5,4	265/368	113.986 <E55 AMG>; 113.991 <E55 AMG>	09.00-08.06	HI,RBE RBE,VO		
<b>280</b>	2,8	150	M 112.922 <E28>	01.99-08.05	HI,RBE RBE,VO		
<b>320</b>	3,2	165	M 112.944 <E32>	10.98-08.02	HI,RBE RBE,VO		
<b>350</b>	3,7	180	M 112.972 <E37>; M 112.975 <E37>	09.02-08.06	HI,RBE RBE,VO		
<b>430</b>	4,3	205	M 113.941 <E43>; M 113.948 <E43>	10.98-01.06	HI,RBE RBE,VO		
<b>500</b>	5,0	225	M 113.960 <E50>; M 113.966 <E50>	10.98-08.06	HI,RBE RBE,VO		
<b>Serie SL (129)</b>							
<b>280</b>	2,8	142	M 104.943	07.93-08.95		<b>0 986 356 316</b>	<b>B 316</b>
		150	M 112.923	09.95-05.98		<b>0 986 356 329</b>	<b>B 329</b>
		150	M 112.923	06.98-08.01	HI,RBE RBE,VO		
<b>300</b>	3,0	140	M 103.984	03.89-06.93		<b>0 986 356 332</b>	<b>B 332</b>
		170	M 104.981	03.89-06.93		<b>0 986 356 314</b>	<b>B 314</b>
<b>320</b>	3,2	165	M 112.943	06.98-08.01	HI,RBE RBE,VO		
		170	M 104.991	07.93-08.95	AG	<b>0 986 356 316</b>	<b>B 316</b>
<b>500</b>	5,0	225	M 113.961	06.98-08.01	HI,RBE RBE,VO		
		235-240	M 119.960; M 119.972	03.89-09.95		<b>0 986 356 315</b>	<b>B 315</b>
<b>600</b>	6,0	290	M 120.981; M 120.983	07.93-08.01		<b>0 986 356 313</b>	<b>B 313</b>
<b>Serie SL (230)</b>							
<b>55 AMG</b>	5,4	368/380	M 113.992 <E 55>; M 113.995 <E 55>	10.01-03.08	HI,RBE RBE,VO		
<b>350</b>	3,7	180	M 112.973 <E 37>	03.03-12.05	HI,RBE RBE,VO		
<b>500</b>	5,0	225	M 113.963 <E 50>	10.01-12.05	HI,RBE RBE,VO		
<b>Serie SLK (170,171,172)</b>							
<b>55 AMG</b>	5,4	265	M 113.989 <E 55>	04.04-11.10	HI,RBE RBE,VO		
<b>200</b>	2,0	100/135	M 111.943 <E20 ML>; M 111.946 <E20>	09.96-01.00		<b>0 986 356 311</b>	<b>B 311</b>
<b>230</b>	2,3	142	M 111.973 <E23 ML>	09.96-01.00		<b>0 986 356 311</b>	<b>B 311</b>
<b>Serie S/SE/SEL (126)</b>							
<b>260</b>	2,6	118-122	M 103.941	09.85-06.91		<b>0 986 356 332</b>	<b>B 332</b>
<b>300</b>	3,0	132-138	M 103.981	09.85-06.91		<b>0 986 356 332</b>	<b>B 332</b>
<b>420</b>	4,2	150-170	M 116.965	09.85-06.91		<b>0 986 356 330</b>	<b>B 330</b>
<b>500</b>	5,0	164-195	M 117.965	09.85-06.91		<b>0 986 356 330</b>	<b>B 330</b>
<b>560</b>	5,6	178-205	M 117.968; M 117.968 <KAT>	10.85-06.91		<b>0 986 356 330</b>	<b>B 330</b>
<b>Serie V</b>							
<b>200</b>	2,0	100	M 111.948 <E20>	04.96-09.03		<b>0 986 356 311</b>	<b>B 311</b>
<b>230</b>	2,3	105	M 111.978 <E23>	04.96-09.03		<b>0 986 356 311</b>	<b>B 311</b>
<b>Serie 124</b>							
<b>200</b>	2,0	87-90	M 102.963	06.86-06.93		<b>0 986 356 333</b>	<b>B 333</b>
		100	M 111.940				
			→ Mot.Nr. ...017707; ..040193	07.93-07.95			
			Mot.Nr. ...017708; ..040194 →	07.93-07.95			
<b>220</b>	2,2	110	M 111.960	07.91-06.93		<b>0 986 356 333</b>	<b>B 333</b>
				09.92-06.93		<b>0 986 356 351</b>	<b>B 351</b>
<b>230</b>	2,3	97-100	M 102.982	12.84-08.93		<b>0 986 356 333</b>	<b>B 333</b>







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<b>260</b>	2,6	118-122	M 103.940; M 103.943	09.85-10.92		<b>0 986 356 332</b>	<b>B 332</b>
<b>280</b>	2,8	142-145	M 104.942	09.89-06.93		<b>0 986 356 316</b>	<b>B 316</b>
<b>300</b>	3,0	132-138	M 103.980;983; M 103.983; M 103.985	01.85-08.93		<b>0 986 356 332</b>	<b>B 332</b>
		162-170	M 104.980	09.88-06.93		<b>0 986 356 314</b>	<b>B 314</b>
	3,2	162	M 104.992	04.92-04.93		<b>0 986 356 316</b>	<b>B 316</b>
<b>300 AMG</b>	3,4	190/200	M 104.980	09.89-08.92		<b>0 986 356 314</b>	<b>B 314</b>
<b>320</b>	3,2	162	M 104.992	09.92-06.93		<b>0 986 356 316</b>	<b>B 316</b>
<b>400</b>	4,2	205	M 119.975	09.91-06.93		<b>0 986 356 315</b>	<b>B 315</b>
<b>500</b>	5,0	240	M 119.974	01.91-06.93		<b>0 986 356 315</b>	<b>B 315</b>
<b>500 AMG</b>	6,0	276	M 119.974	01.91-06.93		<b>0 986 356 315</b>	<b>B 315</b>
<b>Serie 190</b>							
<b>190</b>	2,0	75-77	M 102.924	08.84-08.93		<b>0 986 356 333</b>	<b>B 333</b>
<b>190 E</b>	1,8	77/80	M 102.910; M 102.919	03.90-08.93		<b>0 986 356 333</b>	<b>B 333</b>
		87	M 102.962	09.86-09.93		<b>0 986 356 333</b>	<b>B 333</b>
	2,0	97/100	M 102.985	08.84-08.93		<b>0 986 356 333</b>	<b>B 333</b>
	2,6	118	M 103.942	09.86-08.93		<b>0 986 356 332</b>	<b>B 332</b>
	3,2	172	M 103.983	09.88-08.93		<b>0 986 356 332</b>	<b>B 332</b>
<b>Sprinter</b>							
<b>214</b>	2,3	105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		<b>0 986 356 311</b>	<b>B 311</b>
<b>314</b>	2,3	105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		<b>0 986 356 311</b>	<b>B 311</b>
		105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		<b>0 986 356 311</b>	<b>B 311</b>
<b>414</b>	2,3	105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		<b>0 986 356 311</b>	<b>B 311</b>
<b>Vito</b>							
<b>113</b>	2,0	100	M 111.948 <E20>	11.95-09.03		<b>0 986 356 311</b>	<b>B 311</b>
<b>114</b>	2,3	105	M 111.978 <E23>	11.95-09.03		<b>0 986 356 311</b>	<b>B 311</b>

**MG**

**MG TF**

<b>120</b>	1,8	88	18 K4F K-Serie <DOHC>	03.02-05.05	AG	<b>0 986 357 154</b>	<b>B 154</b>
					GS	<b>0 986 356 731</b>	<b>B 731</b>
<b>135</b>	1,8	100	18 K4F K-Serie <DOHC>	03.02→	AG	<b>0 986 357 154</b>	<b>B 154</b>
					GS	<b>0 986 356 731</b>	<b>B 731</b>
<b>160</b>	1,8	118	18 K4F K-Serie- VVC- <DOHC>	03.02-05.05		<b>0 986 357 160</b>	<b>B 160</b>
<b>MGF</b>							
<b>1.6</b>	1,6	82	16 K4F <K-Serie>	10.01-03.02		<b>0 986 356 731</b>	<b>B 731</b>
<b>1.8</b>	1,8	88/107/118	18 K4F <K-Serie>; 18 K4K K-Serie <MPI VVC>; 18 K4K <MPI VVC K-Serie>	10.95-03.02		<b>0 986 356 731</b>	<b>B 731</b>
						<b>0 986 357 154</b>	<b>B 154</b>

**ZR**

<b>105</b>	1,4	76	14 K4F <K-Serie>	10.01-05.05		<b>0 986 356 731</b>	<b>B 731</b>
						<b>0 986 357 154</b>	<b>B 154</b>
<b>120</b>	1,8	86	18 K4F <K-Serie>	10.01-05.05		<b>0 986 356 731</b>	<b>B 731</b>
						<b>0 986 357 154</b>	<b>B 154</b>
<b>160</b>	1,8	118	18 K4K <K-Serie>	10.01-05.05		<b>0 986 356 731</b>	<b>B 731</b>
						<b>0 986 357 154</b>	<b>B 154</b>

**ZS**

<b>110</b>	1,6	80	16 K4F <K-Serie>	03.05-05.05		<b>0 986 356 731</b>	<b>B 731</b>
<b>120</b>	1,8	86	18 K4F <K-Serie>	10.01-05.05		<b>0 986 357 154</b>	<b>B 154</b>
<b>180</b>	2,5	130	25 K4F <K-Serie 2.5KV6>	10.01-05.05		<b>0 986 356 731</b>	<b>B 731</b>
						<b>0 986 357 154</b>	<b>B 154</b>

**ZT**

<b>1.8</b>	1,8	88/118	K1.8T <K-Serie>; 18 K4F <K-Serie K 1.8>	03.02-05.05		<b>0 986 357 154</b>	<b>B 154</b>
<b>190</b>	1,8	88/118	K1.8T <K-Serie>; 18 K4F <K-Serie K 1.8>	03.02-05.05		<b>0 986 357 154</b>	<b>B 154</b>

**MINI (BMW)**

**Mini**

<b>Cooper</b>	1,6	85/120/125	W10B16A...; W11 B16A	06.01-07.08		<b>0 986 357 192</b>	<b>B 192</b>
<b>John</b>	1,6	147/154-160	W11 B16A	10.03-07.08		<b>0 986 357 192</b>	<b>B 192</b>
<b>Cooper Works</b>							



1	2	3	4	5	6	7	8
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0 356 912 905	0 356 912 905	0 356 912 906	0 356 912 906	0 356 912 907	0 356 912 908		
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0 356 912 927	0 356 912 928	0 356 912 927	0 356 912 927	0 356 912 928	0 356 912 928	0 356 912 927	0 356 912 927
0 356 912 927	0 356 912 928	0 356 912 927	0 356 912 927	0 356 912 928	0 356 912 928	0 356 912 927	0 356 912 927
0 356 912 927	0 356 912 928	0 356 912 927	0 356 912 927	0 356 912 928	0 356 912 928	0 356 912 927	0 356 912 927

**Serie 190**

0 356 912 906	0 356 912 907	0 356 912 907	0 356 912 908				
0 356 912 906	0 356 912 907	0 356 912 907	0 356 912 908				
0 356 912 906	0 356 912 907	0 356 912 907	0 356 912 908				
0 356 912 906	0 356 912 907	0 356 912 907	0 356 912 908				
0 356 912 905	0 356 912 905	0 356 912 906	0 356 912 906	0 356 912 907	0 356 912 908		
0 356 912 905	0 356 912 905	0 356 912 906	0 356 912 906	0 356 912 907	0 356 912 908		

**Sprinter**

**Vito**

**MG**

**MG TF**

**MGF**

**ZR**

**ZS**

**ZT**

**MINI (BMW)**

**Mini**





◀ MINI

One 1,6 66 W10B16A... 06.01-11.06 0 986 357 192 B 192

**MITSUBISHI**

**Carisma**

1.3	1,3	60	4G13	07.01-12.03	0 986 357 273	B 273
1.6	1,6	66	4G92 Kat.	05.95-04.96	0 986 357 147	B 147
		73	4G92 Kat.	05.97-02.99	0 986 357 147	B 147
1.8	1,8	85	4G93 SOHC Kat.	05.95-04.96	0 986 357 147	B 147

**Champ**

1.5	1,5	67-69	4G15	11.95→	0 986 357 157	B 157
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**Colt**

1.3	1,3	44-51	4G13	04.88-05.92	0 986 357 093	B 093
		55	4G13 Kat.	04.88-05.92	0 986 357 093	B 093
				12.91-11.95	0 986 357 157	B 157
				11.95-05.00	0 986 357 157	B 157
1.5	1,5	60	4G13 Kat.	06.00-06.03	0 986 357 273	B 273
		62	4G15	04.88-05.92	0 986 357 093	B 093
		62-66	4G15 Kat.	04.88-05.92	0 986 357 093	B 093
		69	4G15	11.95-05.00	0 986 357 157	B 157
1.6	1,6	66/83	4G92; 4G92 Kat.	12.91-12.96	0 986 357 147	B 147
1.8	1,8	100	4G67; 4G67 Kat.	11.89-05.92	0 986 357 151	B 151

**Eclipse**

2.0	2,0	110/147	4G63 Kat.	01.90-03.94	0 986 357 151	B 151
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**Galant**

1.6	1,6	55	4G32	11.87-10.92	0 986 357 214	B 214
1.8	1,8	66	4G37	11.87-10.92	0 986 357 214	B 214
			4G37 Kat.	10.89-10.92	0 986 357 214	B 214
		85-93	4G93 Kat.	11.92-05.96	0 986 357 147	B 147
2.0	2,0	80	4G63 Kat.	11.87-10.92	0 986 357 122	B 122
		82	4G63	11.87-10.92	0 986 357 122	B 122
		101	4G63 Kat.	11.92-05.96	0 986 357 147	B 147
		106	4G63 Kat.	11.87-10.92	0 986 357 151	B 151
		107	4G63	11.87-10.92	0 986 357 151	B 151
		110	6A12 Kat.	11.92-05.96	0 986 357 218	B 218
2.5	2,5	125	6G73	11.92-05.96	0 986 357 218	B 218

**L 200**

1.6	1,6	48/65-75	4G32	11.86-03.95		
2.0	2,0	65-75	4G63	11.86-05.95		
2.4	2,4	82	4G64 Kat.	06.90-11.97	0 986 357 196	B 196
		97	4G64 Kat.	01.96→	0 986 357 197	B 197
2.6	2,6	76	G54B	11.89-05.95	0 986 357 196	B 196

**L 300**

1.6	1,6	48-51	4G32	11.86-05.94	0 986 357 185	B 185
2.0	2,0	65	4G63	11.86-06.93		
			4G63 Kat.	06.94-05.96	0 986 357 197	B 197
				06.94-12.01	0 986 357 197	B 197
		66	4G63 Kat.	11.86-06.95	0 986 357 185	B 185
				11.88-05.94	0 986 357 185	B 185
				06.94-06.95	0 986 357 197	B 197
		83/85	4G63 Kat.	06.94-04.00	0 986 357 197	B 197
2.4	2,4	82	4G64 Kat.	11.88-05.96	0 986 357 185	B 185

**L 400**

2.0	2,0	83-85	4G63 Kat.	12.94-03.01	0 986 357 197	B 197
2.4	2,4	97	4G64 Kat.	12.94-03.01	0 986 357 197	B 197

**Lancer**

1.2	1,2	40	4G16	04.88-05.92	0 986 357 093	B 093
1.3	1,3	44	4G13	04.88-07.95	0 986 357 093	B 093
		55	4G13 Kat.	04.88-05.92	0 986 357 093	B 093
				12.91-06.93	0 986 357 157	B 157
				06.92-07.95	0 986 357 093	B 093
				11.95-05.01	0 986 357 157	B 157



1 2 3 4 5 6 7 8

**MITSUBISHI**

**Carisma**

**Champ**

**Colt**

0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 040

**Eclipse**

**Galant**

0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 044
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	0 986 356 040
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	0 986 356 040
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	

**L 200**

0 986 356 006	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 042
0 986 356 006	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 042
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	0 986 356 042

**L 300**

0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	0 986 356 049

**L 400**

**Lancer**

0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 040
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	





◀ MITSUBISHI

<b>1.3</b>	1,3	58	4G13 Kat.	07.93-12.96		<b>0 986 357 157</b>	<b>B 157</b>	
		60	4G13	06.03-04.10		<b>0 986 357 273</b>	<b>B 273</b>	
<b>1.5</b>	1,5	60	4G15	06.85-05.92		<b>0 986 357 093</b>	<b>B 093</b>	
		62	4G15	04.88-05.92		<b>0 986 357 093</b>	<b>B 093</b>	
					05.89-05.92			
		62-66	4G15 Kat.	04.88-05.92				
		64	4G15	01.98 →		<b>0 986 357 157</b>	<b>B 157</b>	
		67	4G15	12.91-10.96		<b>0 986 357 157</b>	<b>B 157</b>	
					06.92-07.95		<b>0 986 357 093</b>	<b>B 093</b>
<b>1.6</b>	1,6	66/83	4G92 Kat.; 4G92 MVV	05.92-09.00		<b>0 986 357 147</b>	<b>B 147</b>	
		72	4G18	06.03-04.10		<b>0 986 357 273</b>	<b>B 273</b>	
		77-81	4G18	05.00-02.03		<b>0 986 357 273</b>	<b>B 273</b>	
<b>1.8</b>	1,8	100	4G67; 4G67 Kat.	11.89-05.92		<b>0 986 357 151</b>	<b>B 151</b>	
<b>Pajero</b>								
<b>2.4</b>	2,4	82-100	4G64 Kat.	12.90-05.94		<b>0 986 357 122</b>	<b>B 122</b>	
<b>2.6</b>	2,6	76/79	G54B; 4G54	12.82-06.91		<b>0 986 357 196</b>	<b>B 196</b>	
<b>3.0</b>	3,0	104	6G72	11.88-06.91				
<b>3000</b>	3,0	110	6G721 Kat.	12.90-05.94				
<b>Santamo</b>								
<b>2.0</b>	2,0	102		05.99-12.02		<b>0 986 356 974</b>	<b>B 974</b>	
<b>Shogun</b>								
<b>2.6</b>	2,6	76	4G54	12.82-12.92		<b>0 986 357 196</b>	<b>B 196</b>	
<b>Space Gear</b>								
<b>2.0</b>	2,0	83-85	4G63 Kat.	12.94-03.01		<b>0 986 357 197</b>	<b>B 197</b>	
<b>2.4</b>	2,4	94-97	4G64 Kat.	12.94-03.01		<b>0 986 357 197</b>	<b>B 197</b>	
<b>Space Runner</b>								
<b>1.8</b>	1,8	85-90	4G93 Kat.	06.91-05.99		<b>0 986 357 147</b>	<b>B 147</b>	
		92	4G93	06.91-05.92		<b>0 986 357 147</b>	<b>B 147</b>	
<b>Space Wagon</b>								
<b>1.8</b>	1,8	66	4G37	10.83-04.91		<b>0 986 357 122</b>	<b>B 122</b>	
		85-88/90	4G93; 4G93 Kat.	05.91-05.92		<b>0 986 357 147</b>	<b>B 147</b>	
<b>2.0</b>	2,0	74	4G63 Kat.	06.88-04.91		<b>0 986 357 185</b>	<b>B 185</b>	
					AA	<b>0 986 357 122</b>	<b>B 122</b>	
		75	4G63	02.85-04.91		<b>0 986 357 122</b>	<b>B 122</b>	
		98	4G63 Kat.	06.92-11.00		<b>0 986 357 147</b>	<b>B 147</b>	
<b>2.4</b>	2,4	97	4G64	05.91-05.92				
<b>Spacestar</b>								
<b>1.3</b>	1,3	60	4G13	06.98-05.00		<b>0 986 357 272</b>	<b>B 272</b>	
				06.00-12.04		<b>0 986 357 273</b>	<b>B 273</b>	
<b>1.6</b>	1,6	72	4G18	04.01-12.04		<b>0 986 357 273</b>	<b>B 273</b>	
<b>3000 GT</b>								
<b>3.0</b>	3,0	165/206-210	6G72	04.90-12.00		<b>0 986 357 218</b>	<b>B 218</b>	

**MOSKWITSCH**

**Aleko**

<b>1.6</b>	1,6	56	VAZ-2106	01.86-12.00			
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**NISSAN**

**Almera**

<b>1.4</b>	1,4	55-64	GA14DE	07.95-04.00		<b>0 986 356 821</b>	<b>B 821</b>
					WW	<b>0 986 357 239</b>	<b>B 239</b>
<b>1.6</b>	1,6	66-73	GA16DE	07.95-04.00		<b>0 986 356 821</b>	<b>B 821</b>
					WW	<b>0 986 357 239</b>	<b>B 239</b>
<b>2.0</b>	2,0	99-100	SR20DE	05.00-01.03	WW	<b>0 986 357 239</b>	<b>B 239</b>
						<b>0 986 356 821</b>	<b>B 821</b>
					WW	<b>0 986 357 239</b>	<b>B 239</b>
		105	SR20DE	04.96-04.00		<b>0 986 356 821</b>	<b>B 821</b>





1	2	3	4	5	6	7	8
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				
0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010				0 986 356 040
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				0 986 356 046
0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010				0 986 356 040
0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010				0 986 356 040
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004				0 986 356 046
<b>Pajero</b>							
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				0 986 356 040
0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 010	0 986 356 010	0 986 356 010		0 986 356 038
0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 010	0 986 356 010	0 986 356 010		0 986 356 038
<b>Santamo</b>							
<b>Shogun</b>							
<b>Space Gear</b>							
<b>Space Runner</b>							
<b>Space Wagon</b>							
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013				0 986 356 042
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				0 986 356 040
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013				0 986 356 042
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				
<b>Spacestar</b>							
<b>3000 GT</b>							
<b>MOSKWITSCH</b>							
<b>Aleko</b>							
0 986 356 021	0 986 356 023	0 986 356 023	0 986 356 021				0 986 356 042
<b>NISSAN</b>							
<b>Almera</b>							
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				





◀ NISSAN

Micra							
1.0	1,0	37-40	MA10S	12.82-07.92		0 986 356 702	B 702
1.2	1,2	40-42/44	MA12S	07.86-07.92		0 986 356 702	B 702
Pathfinder							
3.0	3,0	113	VG30E	07.92-07.95		0 986 357 177	B 177
Patrol							
3.0	3,0		RB30S	04.89-05.98			
Patrol GR							
4.2	4,2	118-121	TB42E	10.91-09.97			
Prairie Pro							
2.0	2,0	67	CA20S	10.88-04.92		0 986 356 790	B 790
		72/73	CA20E	10.88-04.92	AA		
Primera							
1.6	1,6	66/70	GA16DS	06.90-05.93		0 986 357 282	B 282
		66-75	GA16DE	04.93-12.01	WW	0 986 356 703	B 703
					WW	0 986 357 239	B 239
2.0	2,0	85	SR20DE	06.96-10.97		0 986 356 821	B 821
				01.98-06.99	WW	0 986 357 239	B 239
			SR20Di	06.90-07.94			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
		85-92	SR20De	07.94-12.97	WW	0 986 357 239	B 239
			SR20DE	09.94-06.96			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
		89	SR20Di	06.90-07.94			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
		96	SR20DE	06.96-10.97		0 986 356 821	B 821
				01.98-06.99	WW	0 986 357 239	B 239
		96/110	SR20DEH; SR20DEL	10.97-06.99		0 986 356 821	B 821
					WW	0 986 357 239	B 239
		103	SR20DE	06.99-12.01	WW	0 986 357 239	B 239
		110	SR20DE	06.90-06.96			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
				06.96-10.97		0 986 356 821	B 821
					WW	0 986 357 239	B 239
		112	SR20DE	06.90-05.93			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
Pulsar							
1.6	1,6	86	GA16DE	08.95-08.95		0 986 356 821	B 821
				08.95-06.00	WW	0 986 357 239	B 239
Serena							
1.6	1,6	71	GA16DE	07.92-11.01		0 986 356 893	B 893
					WW	0 986 357 280	B 280
2.0	2,0	93	SR20DE	07.92-11.01		0 986 356 893	B 893
					WW	0 986 357 280	B 280
Sunny							
1.4	1,4	55/58-63	GA14DS	10.90-05.95		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		60-64	GA14DE	10.92-05.95		0 986 356 821	B 821
					WW	0 986 357 239	B 239
1.6	1,6	66/70	GA16DS; GA16DS <AY>	10.90-07.95		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		75-81/88	GA16DE; GA16DE <AY>	10.92-→		0 986 356 821	B 821
					WW	0 986 357 239	B 239





1	2	3	4	5	6	7	8	
								<b>Micra</b>
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002					0 986 356 040
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002					0 986 356 040
								<b>Pathfinder</b>
								<b>Patrol</b>
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 008	0 986 356 010	0 986 356 013			0 986 356 042
								<b>Patrol GR</b>
0 986 356 002	0 986 356 004	0 986 356 008	0 986 356 008	0 986 356 013	0 986 356 013			0 986 356 042
								<b>Prairie Pro</b>
0 986 356 008	0 986 356 008	0 986 356 006	0 986 356 006					0 986 356 040
0 986 356 188	0 986 356 187	0 986 356 187	0 986 356 186					0 986 356 044
								0 986 356 044
								<b>Primera</b>
0 986 356 173	0 986 356 173	0 986 356 171	0 986 356 171					0 986 356 040
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 038
								<b>Pulsar</b>
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					
								<b>Serena</b>
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 046
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					0 986 356 046
								<b>Sunny</b>
0 986 356 173	0 986 356 173	0 986 356 171	0 986 356 171					0 986 356 040
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					
0 986 356 173	0 986 356 173	0 986 356 171	0 986 356 171					0 986 356 040
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170					





◀ NISSAN

2.0	2,0	105	SR20DE	10.90-09.94	MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
<b>Terrano</b>							
2.4	2,4	85-87/91	KA24E	02.93-12.06		0 986 356 807	B 807
					WW	0 986 357 236	B 236
3.0	3,0	109	VG30E	01.90-10.95		0 986 357 177	B 177
<b>Urvan</b>							
2.0	2,0	64-66	Z20; Z20S	11.86-01.95			
<b>Vanette</b>							
1.5	1,5	51	A15; A15S	09.85-06.94			
<b>100 NX</b>							
1.6	1,6	66/70	GA16DS	10.90-10.92		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		75-81	GA16DE	10.92-10.94		0 986 356 821	B 821
					WW	0 986 357 239	B 239
2.0	2,0	104	SR20DE	08.90-04.92	MMS	0 986 357 274	B 274
				10.90-10.92		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		105	SR20DE	10.90-10.93		0 986 357 282	B 282
					WW	0 986 356 703	B 703

**OPEL**

**Astra F**

1.4	1,4	44	C 14 NZ <OHC>	09.91-02.98			
			Mot.Nr. →02V57973	09.91-02.98		0 986 356 747	B 747
			Mot.Nr. →1924162302; V57974→02BF1476	09.91-02.98		0 986 357 127	B 127
			X 14 NZ <OHC>	09.97-02.98			
			Mot.Nr. →02V57973	09.97-02.98		0 986 356 747	B 747
			Mot.Nr. →1924162302; V57974→02BF1476	09.97-02.98		0 986 357 127	B 127
		55	14 NV <OHC>	09.91-09.93			
			Mot.Nr. →02V57973	09.91-09.93		0 986 356 747	B 747
			Mot.Nr. →1924162302; V57974→02BF1476	09.91-09.93		0 986 357 127	B 127
		60	14 SE / C 14 SE <OHC>	03.92-02.98			
			Mot.Nr. →02T14052; →19880550	03.92-02.98		0 986 357 127	B 127
			Mot.Nr. 02T14053→02BD1413; 19880551→19280316	03.92-02.98		0 986 357 124	B 124
		66	X 14 XE <Ecotec DOHC>	04.96-02.98		0 986 356 778	B 778
					WW	0 986 357 234	B 234
1.6	1,6	52	X 16 SZ				
			Mot.Nr. →02BE6166	09.92-02.96		0 986 357 124	B 124
			Mot.Nr. 02BE6167→	09.92-02.96		0 986 357 226	B 226
		55	C/E 16 NZ <OHC>	09.91-08.94			
			Mot.Nr. 02BE6167→	09.93-08.94		0 986 357 156	B 156
			Mot.Nr. →02V65825	09.91-08.94		0 986 356 723	B 723
			Mot.Nr. 02V65826→2BE6166	09.91-08.94		0 986 357 249	B 249
			X 16 SZR <Ecotec OHC>	09.97-08.02		0 986 357 126	B 126
			X 16 SZR <OHC Ecotec>				
			Mot.Nr. →02BE6166	09.95-08.97		0 986 357 124	B 124
			Mot.Nr. 02BE6167→	09.95-08.97		0 986 357 226	B 226
			16 NZR				
			Mot.Nr. →02BE6166	09.97-02.98		0 986 357 124	B 124
			Mot.Nr. 02BE6167→	09.97-02.98		0 986 357 226	B 226
			16 NZR <OHC>				
			Mot.Nr. →02BE6166	09.97-02.98		0 986 357 124	B 124
			Mot.Nr. 02BE6167→	09.97-02.98		0 986 357 226	B 226
		60	16 SV				
			Mot.Nr. →02E85672	09.91-02.92		0 986 356 723	B 723
			Mot.Nr. 02E85673→	09.91-02.92		0 986 357 127	B 127
			Mot.Nr. 02E85673→19585415	09.91-02.92			





1	2	3	4	5	6	7	8
0986 356 173	0986 356 172	0986 356 171	0986 356 170				0986 356 038
							<b>Terrano</b>
0986 356 002	0986 356 004	0986 356 004	0986 356 006				0986 356 042
							<b>Urvan</b>
							0986 356 038
							<b>Vanette</b>
0986 356 019	0986 356 017	0986 356 017	0986 356 017				0986 356 040
							<b>100 NX</b>
0986 356 173	0986 356 173	0986 356 171	0986 356 171				0986 356 040
0986 356 173	0986 356 172	0986 356 171	0986 356 170				
0986 356 173	0986 356 173	0986 356 171	0986 356 171				0986 356 040
0986 356 173	0986 356 173	0986 356 171	0986 356 171				0986 356 040
<b>OPEL</b>							
							<b>Astra F</b>
							0986 356 230
0986 356 242	0986 356 240	0986 356 239	0986 356 237				0986 356 230
0986 356 242	0986 356 240	0986 356 239	0986 356 237				0986 356 230
0986 356 242	0986 356 240	0986 356 239	0986 356 237				0986 356 230
0986 356 183	0986 356 181	0986 356 181	0986 356 180				
0986 356 247	0986 356 246	0986 356 244	0986 356 243				0986 356 061
0986 356 218	0986 356 217	0986 356 085	0986 356 061				
0986 356 252	0986 356 252	0986 356 252	0986 356 251				
0986 356 247	0986 356 246	0986 356 244	0986 356 243				
0986 356 247	0986 356 246	0986 356 244	0986 356 243				
0986 356 247	0986 356 246	0986 356 244	0986 356 243				
0986 356 218	0986 356 217	0986 356 085	0986 356 061				0986 356 061
							0986 356 230
0986 356 088	0986 356 088	0986 356 086	0986 356 086				





◀ OPEL

1.6	1,6	60	Mot.Nr. 19585416→	09.91-02.92			
		74	C 16 SE <OHC>	03.92-12.93	TW	0 986 357 063	B 063
			Mot.Nr. →02BD0920	03.92-02.98		0 986 357 124	B 124
			Mot.Nr. 02BD0921→	03.92-02.98		0 986 357 226	B 226
			X 16 XEL <DOHC Ecotec>				
			Mot.Nr. →20C17332	09.94-02.98		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.Nr. 20C17333→	09.94-02.98			
			X 16 XEL <Ecotec DOHC>	09.97-08.02		0 986 357 234	B 234
		1.8	1,8	66	C 18 NZ <OHC>	09.91-02.98	
	Mot.Nr. →14349311			09.91-02.98		0 986 356 801	B 801
	Mot.Nr. 14349312→			09.91-02.98		0 986 357 127	B 127
82	18 SE <OHC>						
	Mot.Nr. →14258179			09.95-09.96		0 986 356 722	B 722
	Mot.Nr. 14258180→			09.95-09.96		0 986 356 801	B 801
85	C 18 SEL <DOHC>						
	Fg.Nr. →V8999999			09.95-08.97		0 986 357 237	B 237
	Fg.Nr. W2000000→			09.95-08.97		0 986 357 284	B 284
	C 18 XEL <DOHC>						
	Fg.Nr. →V8999999			09.94-02.98		0 986 357 237	B 237
	Fg.Nr. W2000000→			09.94-02.98		0 986 357 284	B 284
	X 18 XE <DOHC>						
	Fg.Nr. →V8999999			09.95-08.98		0 986 357 237	B 237
	Fg.Nr. W2000000→	09.95-08.98		0 986 357 284	B 284		
	92	C 18 XE <DOHC>					
	Fg.Nr. →V8999999	09.93-02.98		0 986 357 237	B 237		
	Fg.Nr. W2000000→	09.93-02.98		0 986 357 284	B 284		
2.0	2,0	85	C 20 NE / 20 NE <OHC>	09.91-02.98			
			Fg.Nr. S2000001→	09.91-02.98			
			Mot.Nr. →14672353	09.91-02.98		0 986 356 801	B 801
			Mot.Nr. 14672354→Fgst.Nr.R8999999	09.91-02.98		0 986 357 127	B 127
		100	X 20 XEV <DOHC Ecotec>				
			Fg.Nr. →V8999999	01.95-02.98		0 986 357 237	B 237
			Fg.Nr. W2000000→	01.95-02.98		0 986 357 284	B 284
		110	C 20 XE / XE-LN <DOHC>	09.91-02.98			
			Mot.Nr. →14002934	09.91-02.98		0 986 357 233	B 233
			Mot.Nr. 14002935→	09.91-02.98			
	C 20 XE <DOHC>	09.91-02.98					
	Mot.Nr. →14002934	09.91-02.98		0 986 357 233	B 233		
	Mot.Nr. 14002935→	09.91-02.98					

**Astra G**

1.6	1,6	55/62	X 16 SZR <Ecotec DOHC>; X 16 SZR <Ecotec OHC>; Z 16 SE <Ecotec>; Z 16 SE <Ecotec OHC>	09.97-06.04		0 986 357 126	B 126
		76	Z 16 XEP <DOHC>; Z 16 XEP <Twinport DOHC>; Z 16 XEP <Twinport Ecotec>	03.03-08.05			

**Astra H**

1.6	1,6	77	Z 16 XEP <Twinport Ecotec>	03.04-03.07			
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**Calibra**

2.0	2,0	85	C 20 NE <OHC II>				
			Fg.Nr. S1.....→S9.....→	06.90-03.97		0 986 357 242	B 242
			Mot.Nr. →14672352	06.90-03.97		0 986 356 801	B 801
			Mot.Nr. 14672353→Fg.Nr. R1.....; Mot.Nr. 14672353→Fg.Nr. R9.....	06.90-03.97		0 986 357 125	B 125
		100	X 20 XEV <Ecotec DOHC II>				
			Mot.Nr. →14195306	09.93-08.96		0 986 357 237	B 237
			Mot.Nr. 14195307→	09.93-08.96		0 986 357 284	B 284
		110	C 20 XE, XE-LN <DOHC>				
			Fg.Nr. P1000001→; P9000001→	06.90-03.97		0 986 357 237	B 237
			Mot.Nr. →14028514	06.90-03.97		0 986 357 139	B 139
			WW	0 986 357 227	B 227		
		Mot.Nr. 14180386→Fg.Nr. N1999999	06.90-03.97		0 986 357 233	B 233	
150	C 20 LET <DOHC>	03.92-03.97		0 986 357 233	B 233		



1	2	3	4	5	6	7	8
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				Astra G
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				Astra H
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				Calibra
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				







◀ OPEL

2.5	2,5	125	C 25 XE; X 25 XE				
			Mot.Nr. →08145499	04.93-03.97		<b>0 986 357 143</b>	<b>B 143</b>
			Mot.Nr. 08145500→	04.93-03.97		<b>0 986 357 050</b>	<b>B 050</b>
<b>Combo</b>							
1.2	1,2	33	C 12 NZ	09.94-10.01			
			Mot.Nr. 19330001→	09.94-10.01		<b>0 986 357 226</b>	<b>B 226</b>
			Mot.Nr. →19334656	09.94-10.01		<b>0 986 357 148</b>	<b>B 148</b>
			Mot.Nr. 19334657→	09.94-10.01		<b>0 986 357 247</b>	<b>B 247</b>
			X 12 SZ <Ecotec>				
			Mot.Nr. 02HY3580→	09.94-10.01		<b>0 986 357 126</b>	<b>B 126</b>
			Mot.Nr. →19330000	09.94-10.01		<b>0 986 357 124</b>	<b>B 124</b>
			Mot.Nr. 19330001→	09.94-10.01		<b>0 986 357 226</b>	<b>B 226</b>
			Mot.Nr. 19330001→02HY3579	09.94-10.01			
			12 NZ	06.00-10.01			
			Mot.Nr. →19334656	06.00-10.01		<b>0 986 357 148</b>	<b>B 148</b>
			Mot.Nr. 19334657→	06.00-10.01		<b>0 986 357 247</b>	<b>B 247</b>
1.4	1,4	44	C 14 NZ	09.94-10.01	KL		
			Mot.Nr. →02BF1475; →19241622	09.94-10.01		<b>0 986 357 148</b>	<b>B 148</b>
			Mot.Nr. 02BF1476→; 19241623→	09.94-10.01	KL, WW	<b>0 986 357 247</b>	<b>B 247</b>
					KL	<b>0 986 356 746</b>	<b>B 746</b>
			X 14 SZ <Ecotec>				
			Mot.Nr. →02HY3579; →19747137	04.96-10.01		<b>0 986 357 226</b>	<b>B 226</b>
			Mot.Nr. 02HY3580→	04.96-10.01		<b>0 986 357 126</b>	<b>B 126</b>
		60	C 14 SE				
			Mot.Nr. →02BD1412; →19262000	09.94-10.01		<b>0 986 357 124</b>	<b>B 124</b>
			Mot.Nr. 02BD1413→02HY3579; 19262001→	09.94-10.01		<b>0 986 357 226</b>	<b>B 226</b>
			Mot.Nr. 02HY3580→	09.94-10.01		<b>0 986 357 126</b>	<b>B 126</b>
		66	C 14 SEL				
			Mot.Nr. →20C17331	08.99-10.01		<b>0 986 356 778</b>	<b>B 778</b>
					WW	<b>0 986 357 234</b>	<b>B 234</b>
				08.08→		<b>0 986 356 778</b>	<b>B 778</b>
					WW	<b>0 986 357 234</b>	<b>B 234</b>
			Mot.Nr. 20C17332→	08.99-10.01			
				08.08→			
1.6	1,6	64	Z 16 SE	10.01-08.04		<b>0 986 357 126</b>	<b>B 126</b>
		71	Y 16 YNG <Ecotec-Gas CNG>	04.05-05.06			
<b>Corsa A</b>							
1.0	1,0	33	10 S OHV	09.82-08.94		<b>0 986 356 862</b>	<b>B 862</b>
1.2	1,2	33	C 12 NZ <OHC>	09.90-08.94		<b>0 986 357 148</b>	<b>B 148</b>
			Mot.Nr. 19B38644→	09.90-08.94			
		37-40	A 12 ST <OHC>	09.86-08.94		<b>0 986 356 886</b>	<b>B 886</b>
		38/40-44	S 12 ST <OHC>; 12 NV <OHC>; 12 S <OHC>; 12 ST <OHC>	09.82-08.94		<b>0 986 356 886</b>	<b>B 886</b>
1.3	1,3	44/51	C 13 N <OHC>; 13 S <OHC>; 13 SB <OHC>	09.82-08.94		<b>0 986 356 886</b>	<b>B 886</b>
1.4	1,4	40-44	C 14 NZ <OHC>	01.90-08.94		<b>0 986 357 148</b>	<b>B 148</b>
			Mot.Nr. 02N40263→	01.90-08.94			
		53	14 NV <OHC>	01.90-08.94		<b>0 986 357 148</b>	<b>B 148</b>
			Mot.Nr. 19585416→	01.90-08.94			
		60	C 14 SE <OHC>	09.91-08.94		<b>0 986 357 063</b>	<b>B 063</b>
			Mot.Nr. →02T14052	09.91-08.94		<b>0 986 357 148</b>	<b>B 148</b>
			Mot.Nr. 02T14053→	09.91-08.94		<b>0 986 357 124</b>	<b>B 124</b>
			Mot.Nr. →19585415	09.91-08.94	TW		
			Mot.Nr. 19585416→	09.91-08.94	TW		
1.6	1,6	55	C 16 NZ <OHC>	04.89-08.94			
			Fg.Nr. →L4999999	04.89-08.94			
			Fg.Nr. M4000001→	04.89-08.94			
		72	C16 SEI <OHC Irmischer>				
			Mot.Nr. →02V57973	09.89-08.94		<b>0 986 357 063</b>	<b>B 063</b>
		74	C 16 SE <OHC>	05.88-08.94			
			Mot.Nr. →02V57973	05.88-08.94		<b>0 986 356 746</b>	<b>B 746</b>
			Mot.Nr. 02V57974→	05.88-08.94		<b>0 986 357 148</b>	<b>B 148</b>
			E 16 SE <OHC>				
			Fg.Nr. K4000001→	05.88-08.94			
			Mot.Nr. 02E88110→	05.88-08.94			



1 2 3 4 5 6 7 8

**Combo**

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

**Corsa A**

0 986 356 023 0 986 356 023 0 986 356 021 0 986 356 021

0 986 356 049

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 084 0 986 356 084 0 986 356 061 0 986 356 061

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 061 0 986 356 061

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 061 0 986 356 061

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 088 0 986 356 088 0 986 356 087 0 986 356 086

0 986 356 088 0 986 356 086 0 986 356 086 0 986 356 086

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 218 0 986 356 217 0 986 356 085 0 986 356 061

0 986 356 089

0 986 356 229

0 986 356 088 0 986 356 088 0 986 356 087 0 986 356 086

0 986 356 089

0 986 356 088 0 986 356 088 0 986 356 086 0 986 356 086





◀ OPEL

Corsa B									
1.2	1,2	33	C 12 NZ	03.93-08.00					
			Mot.Nr. →19334656	03.93-08.00			<b>0 986 357 148</b>	<b>B 148</b>	
			Mot.Nr. 19334657→	03.93-08.00	WW		<b>0 986 357 247</b>	<b>B 247</b>	
			X 12 SZ <Ecotec>						
			Mot.Nr. 02HY3580→	03.93-08.00			<b>0 986 357 126</b>	<b>B 126</b>	
			Mot.Nr. →19330000	03.93-08.00			<b>0 986 357 124</b>	<b>B 124</b>	
			Mot.Nr. 19330001→	03.93-08.00			<b>0 986 357 226</b>	<b>B 226</b>	
			Mot.Nr. 19330001→02HY3579	03.93-08.00					
			12 NZ	03.93-08.00					
			Mot.Nr. →19334656	03.93-08.00			<b>0 986 357 148</b>	<b>B 148</b>	
Mot.Nr. 19334657→	03.93-08.00	WW		<b>0 986 357 247</b>	<b>B 247</b>				
1.4	1,4	44	C 14 NZ	03.93-08.00	KL				
			Mot.Nr. →02BF1475; →19241622	03.93-08.00			<b>0 986 357 148</b>	<b>B 148</b>	
			Mot.Nr. 02BF1476→; 19241623→	03.93-08.00	KL,WW		<b>0 986 357 247</b>	<b>B 247</b>	
					KL		<b>0 986 356 746</b>	<b>B 746</b>	
			X 14 SZ <Ecotec>						
			Mot.Nr. →02HY3579; →19747137	09.96-09.00			<b>0 986 357 226</b>	<b>B 226</b>	
			Mot.Nr. 02HY3580→	09.96-09.00			<b>0 986 357 126</b>	<b>B 126</b>	
			60	C 14 SE					
			Mot.Nr. →02BD1412; →19262000	03.93-08.00			<b>0 986 357 124</b>	<b>B 124</b>	
			Mot.Nr. 02BD1413→02HY3579; 19262001→	03.93-08.00			<b>0 986 357 226</b>	<b>B 226</b>	
Mot.Nr. 02HY3580→	03.93-08.00			<b>0 986 357 126</b>	<b>B 126</b>				
63	C 14 SEL								
Mot.Nr. →20C17331	03.98-08.00			<b>0 986 356 778</b>	<b>B 778</b>				
	Mot.Nr. 20C17332→	03.98-08.00	WW		<b>0 986 357 234</b>	<b>B 234</b>			
66	X 14 XE <Ecotec>								
Mot.Nr. →20C17331	03.93-08.99			<b>0 986 356 778</b>	<b>B 778</b>				
	Mot.Nr. 20C17332→	03.93-08.99	WW		<b>0 986 357 234</b>	<b>B 234</b>			
1.6	1,6	74	C 16 SEL						
			Mot.Nr. →20C17331	06.98-08.00			<b>0 986 356 778</b>	<b>B 778</b>	
				Mot.Nr. 20C17332→	06.98-08.00	WW		<b>0 986 357 234</b>	<b>B 234</b>
			78	X 16 XE <Ecotec>					
			Mot.Nr. →20C17331	03.93-08.99			<b>0 986 356 778</b>	<b>B 778</b>	
				Mot.Nr. 20C17332→	03.93-08.99	WW		<b>0 986 357 234</b>	<b>B 234</b>
			80	C 16 XE					
			Mot.Nr. →20C17331	03.93-08.00			<b>0 986 356 778</b>	<b>B 778</b>	
				Mot.Nr. 20C17332→	03.93-08.00	WW		<b>0 986 357 234</b>	<b>B 234</b>
			Corsa C						
1.6	1,6	62	Z 16 SE <Ecotec>	09.01-08.05				<b>0 986 357 126</b>	<b>B 126</b>
Frontera									
2.0	2,0	85	C 20 NE						
			Mot.Nr. →14672353	09.91-08.95			<b>0 986 356 850</b>	<b>B 850</b>	
			Mot.Nr. 14672354→	09.91-08.95			<b>0 986 357 125</b>	<b>B 125</b>	
	X 20 SE <Ecotec>					<b>0 986 357 228</b>	<b>B 228</b>		
2.2	2,2	100	X 22 XE <Ecotec>	02.95-08.98				<b>0 986 357 228</b>	<b>B 228</b>
2.4	2,4	92	C 24 NE CIH	09.91-08.95				<b>0 986 356 864</b>	<b>B 864</b>
Kadett									
1.3	1,3	44	C 13 N <OHC>; 13 N, NB <OHC>	09.84-08.91				<b>0 986 356 723</b>	<b>B 723</b>
1.4	1,4	44/55	C 14 NZ <OHC>; E 14 LV <OHC>; 14 NV <OHC>	01.90-08.91				<b>0 986 357 127</b>	<b>B 127</b>
1.6	1,6	55	C 16 LZ	09.86-08.93					
			Mot.Nr. →02V65825	09.86-08.93					
			Mot.Nr. →02V65825; →02V65825	09.86-08.93			<b>0 986 356 723</b>	<b>B 723</b>	
			Mot.Nr. 02V65826→	09.86-08.93			<b>0 986 357 249</b>	<b>B 249</b>	
			C 16 NZ <OHC>	09.86-08.91					
			Mot.Nr. →02V65825	09.86-08.91					
			Mot.Nr. →02V65825; →02V65825	09.86-08.91			<b>0 986 356 723</b>	<b>B 723</b>	
Mot.Nr. 02V65826→	09.86-08.91			<b>0 986 357 249</b>	<b>B 249</b>				



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**Corsa B**

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 181 0 986 356 181 0 986 356 180 0 986 356 180

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

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0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

**Corsa C**

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

**Frontera**

**Kadett**

0 986 356 084 0 986 356 217 0 986 356 085 0 986 356 061

0 986 356 061

0 986 356 230

0 986 356 061

0 986 356 084 0 986 356 217 0 986 356 085 0 986 356 061

0 986 356 061

0 986 356 084 0 986 356 217 0 986 356 085 0 986 356 061





◀ OPEL

1.6	1,6	55	E 16 NZ <OHC>	09.87-08.91			
			Mot.Nr. →02V65825	09.87-08.91			
			Mot.Nr. →02V65825; →02V65825	09.87-08.91	0 986 356 723	B 723	
			Mot.Nr. 02V65826→	09.87-08.91	0 986 357 249	B 249	
		60	16 SV <OHC>				
			Mot.Nr. →02E85672	09.86-08.91	0 986 356 723	B 723	
			Mot.Nr. 02E85673→	09.86-08.91	0 986 357 127	B 127	
			Mot.Nr. 02E85673→19585415	09.86-08.91			
		74	E 16 SE <OHC>	04.89-08.91			
			Mot.Nr. →02V65825	04.89-08.91			
Mot.Nr. →02V65825; →02V65825	04.89-08.91		0 986 356 723	B 723			
Mot.Nr. 02V65826→	04.89-08.91		0 986 357 249	B 249			
1.8	1,8	62	E 18 NV <OHC>				
			Mot.Nr. →14258179	09.87-08.91	0 986 356 722	B 722	
			Mot.Nr. 14258180→14275381	09.87-08.91	0 986 356 801	B 801	
			Mot.Nr. 14275382→	09.87-08.91	0 986 357 127	B 127	
		66	S 18 NV <OHC>				
			Mot.Nr. →14258179	09.86-08.91	0 986 356 722	B 722	
			Mot.Nr. 14258180→14275381	09.86-08.91	0 986 356 801	B 801	
			Mot.Nr. 14275382→	09.86-08.91	0 986 357 127	B 127	
		82-85	C 18 NZ <OHC>				
			Fg.Nr. J2791967→; J5273427→; JE215465→	09.90-08.91	TW	0 986 356 801	B 801
			Mot.Nr. 14258180→	09.90-08.91			
			Mot.Nr. 14258180→14349310	09.90-08.91	0 986 356 801	B 801	
		82-85	Mot.Nr. 14349311→	09.90-08.91	0 986 357 127	B 127	
			18 E <OHC>				
			Mot.Nr. →14258179	09.86-08.91	0 986 356 722	B 722	
			Mot.Nr. 14258180→14275381	09.86-08.91	0 986 356 801	B 801	
2.0	2,0	85	C 20 NE <OHC>				
			Mot.Nr. →14180385	09.86-08.91	0 986 356 722	B 722	
			Mot.Nr. 14180386→14672352	09.86-08.91	0 986 356 801	B 801	
			Mot.Nr. 14672353→	09.86-08.91	0 986 357 127	B 127	
		91	20 NE <OHC>				
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91			
			Mot.Nr. →14180385	09.86-08.91	0 986 356 722	B 722	
			Mot.Nr. 14180386→	09.86-08.91			
		95	Mot.Nr. 14180386→14672352	09.86-08.91	0 986 356 801	B 801	
			Mot.Nr. 14672353→	09.86-08.91	0 986 357 127	B 127	
			20 SER <OHC>				
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.87-08.91	TW	0 986 356 722	B 722
		110-115	Fg.Nr. L5362399→	09.87-08.91	0 986 357 127	B 127	
			20 SEH <OHC>				
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91	TW	0 986 356 722	B 722
			Fg.Nr. J2791968→; J5273426→; JE215465→	09.86-08.91			
110-115	Fg.Nr. L5362399→	09.86-08.91	0 986 357 127	B 127			
	C 20 XE / XEJ <OHC>						
	Mot.Nr. →14028514	03.88-08.91					
			WW	0 986 357 139	B 139		
110-115	Mot.Nr. 14028515→	03.88-08.91	0 986 357 227	B 227			
	20 XE <DOHC>						
	Mot.Nr. →14180385	03.88-08.91	0 986 357 139	B 139			
			WW	0 986 357 227	B 227		
110-115	Mot.Nr. 14180386→	03.88-08.91	0 986 357 233	B 233			
<b>Meriva</b>							
1.6	1,6	64	Z 16 SE	03.03-09.05		0 986 357 126 B 126	
<b>Monterey</b>							
3.2	3,2	130	6VDI	04.92-12.97		0 986 357 167 B 167	
<b>Omega A</b>							
1.8	1,8	60	S 18 NV				
			Fg.Nr. L1204908→	09.86-03.94	0 986 357 125	B 125	
			Mot.Nr. →14258179	09.86-03.94	0 986 356 800	B 800	



1	2	3	4	5	6	7	8
							0 986 356 061
0 986 356 084	0 986 356 217	0 986 356 085	0 986 356 061				
							0 986 356 061
0 986 356 218	0 986 356 217	0 986 356 085	0 986 356 061				0 986 356 230
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				0 986 356 061
0 986 356 084	0 986 356 217	0 986 356 085	0 986 356 061				
							0 986 356 090
							0 986 356 090
							0 986 356 229
							0 986 356 090
							0 986 356 090
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				Meriva
							Monterey
							Omega A





◀ OPEL

1.8	1,8	60	S 18 NV					
			Mot.Nr. 14258180→Fg.Nr. L1204907	09.86-03.94		<b>0 986 356 850</b>	<b>B 850</b>	
		65	E 18 NVR					
			Fg.Nr. L1204908→	09.87-03.94		<b>0 986 357 125</b>	<b>B 125</b>	
			Mot.Nr. →14258179	09.87-03.94		<b>0 986 356 800</b>	<b>B 800</b>	
	Mot.Nr. 14258180→Fg.Nr. L1204907	09.87-03.94		<b>0 986 356 850</b>	<b>B 850</b>			
66	18 SV	Fg.Nr. L1204908→	09.86-03.94		<b>0 986 357 125</b>	<b>B 125</b>		
		Mot.Nr. 14258180→Fg.Nr. L1204907	09.86-03.94		<b>0 986 356 850</b>	<b>B 850</b>		
85	18 SEH	Fg.Nr. L1204908→	09.86-03.94		<b>0 986 357 125</b>	<b>B 125</b>		
		Mot.Nr. →14258179	09.86-03.94		<b>0 986 356 800</b>	<b>B 800</b>		
		Mot.Nr. 14258180→Fg.Nr. L1204907	09.86-03.94		<b>0 986 356 850</b>	<b>B 850</b>		
2.0	2,0	74	C 20 NEJ/NEF					
			Mot.Nr. →14180385	06.89-02.92		<b>0 986 356 800</b>	<b>B 800</b>	
			Mot.Nr. 14180386→14672352	06.89-02.92		<b>0 986 356 850</b>	<b>B 850</b>	
			Mot.Nr. 14672353→	06.89-02.92		<b>0 986 357 125</b>	<b>B 125</b>	
		85	C 20 NE	Mot.Nr. →14180385	09.86-03.94		<b>0 986 356 800</b>	<b>B 800</b>
Mot.Nr. 14180386→14672352	09.86-03.94				<b>0 986 356 850</b>	<b>B 850</b>		
Mot.Nr. 14672353→	09.86-03.94				<b>0 986 357 125</b>	<b>B 125</b>		
90	20 SE	Fg.Nr. K1000099→Mot.Nr. 14180385	09.86-03.94		<b>0 986 356 800</b>	<b>B 800</b>		
		Mot.Nr. 14180386→14312950	09.86-03.94		<b>0 986 356 850</b>	<b>B 850</b>		
		Mot.Nr. 14312951→	09.86-03.94		<b>0 986 357 125</b>	<b>B 125</b>		
2.4	2,4	92	C 24 NE CIH					
			Mot.Nr. →01036313	09.88-03.94				
			Mot.Nr. 01036314→	09.88-03.94		<b>0 986 356 864</b>	<b>B 864</b>	
2.6	2,6	110	C 26 NE CIH		09.90-03.94		<b>0 986 356 814</b>	<b>B 814</b>
3.0	3,0	130	C 30 NE CIH					
			Fg.Nr. →K1000098	01.88-03.94				
			Fg.Nr. K1000099→Mot.Nr. 01026690	01.88-03.94				
			Mot.Nr. →01026690	01.88-03.94		<b>0 986 357 011</b>	<b>B 011</b>	
			Mot.Nr. 01026691→	01.88-03.94		<b>0 986 357 086</b>	<b>B 086</b>	
147-150		C 30 SE, SEJ		09.89-03.94				
<b>Omega B</b>								
2.0	2,0	85	X 20 SE <Ecotec>					
			Mot.Nr. →14367064	04.94-08.98		<b>0 986 357 126</b>	<b>B 126</b>	
			20 SE <Ecotec>					
			Mot.Nr. →14367064	04.94-08.98		<b>0 986 357 126</b>	<b>B 126</b>	
		100	X 20 XEV <Ecotec>	09.93-08.99	TW	<b>0 986 357 237</b>	<b>B 237</b>	
2.5	2,5	125	X 25 XE <Ecotec>					
			Mot.Nr. →08145499	04.94-11.00		<b>0 986 357 055</b>	<b>B 055</b>	
			Mot.Nr. 08145500→	04.94-11.00		<b>0 986 357 050</b>	<b>B 050</b>	
3.0	3,0	155	X 30 XE <Ecotec>					
			Mot.Nr. →08145499	04.94-02.01		<b>0 986 357 055</b>	<b>B 055</b>	
			Mot.Nr. 08145500→	04.94-02.01		<b>0 986 357 050</b>	<b>B 050</b>	
<b>Senator</b>								
2.6	2,6	110	C 26 NE CIH		09.90-09.93		<b>0 986 356 814</b>	<b>B 814</b>
3.0	3,0	115	C 30 LE CIH					
			Fg.Nr. →K1000098	09.87-09.93				
			Fg.Nr. K1000099→Mot.Nr. 01018097	09.87-09.93				
			Mot.Nr. →01018097	09.87-09.93		<b>0 986 357 011</b>	<b>B 011</b>	
			Mot.Nr. 01018098→	09.87-09.93		<b>0 986 357 086</b>	<b>B 086</b>	
	130	C 30 NE CIH						
			Fg.Nr. K1000099→Mot.Nr. 01026690	01.88-09.93		<b>0 986 357 011</b>	<b>B 011</b>	
			Mot.Nr. 01026691→	01.88-09.93		<b>0 986 357 086</b>	<b>B 086</b>	
		150	C 30 SE <DOHC>		09.89-09.93			
<b>Sintra</b>								
2.2	2,2	104	X 22 XE <Ecotec>		09.96-09.99		<b>0 986 357 237</b>	<b>B 237</b>
3.0	3,0	148	X 30 XE <Ecotec>		09.96-09.99		<b>0 986 357 055</b>	<b>B 055</b>





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0 986 356 019 0 986 356 021 0 986 356 023 0 986 356 027

0 986 356 229

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029  
 0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 042  
 0 986 356 089

0 986 356 090  
 0 986 356 190

**Omega B**

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237  
 0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

**Senator**

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 042  
 0 986 356 089

0 986 356 090

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

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 0 986 356 090  
 0 986 356 190

**Sintra**

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253





◀ OPEL

Tigra										
1.4	1,4	63-66	X 14 XE <Ecotec>							
			Mot.Nr. →20C17331	09.94-08.99			<b>0 986 356 778</b>	<b>B 778</b>		
			Mot.Nr. 20C17332→	09.94-08.99		WW		<b>0 986 357 234</b>	<b>B 234</b>	
1.6	1,6	74	C 16 SEL <Ecotec>							
			Mot.Nr. →20C17331	08.97-08.98			<b>0 986 356 778</b>	<b>B 778</b>		
				Mot.Nr. 20C17332→	08.97-08.98		WW	<b>0 986 357 234</b>	<b>B 234</b>	
			78	X 16 XE <Ecotec>						
			Mot.Nr. →20C17331	09.94-08.99				<b>0 986 356 778</b>	<b>B 778</b>	
			Mot.Nr. 20C17332→	09.94-08.99		WW		<b>0 986 357 234</b>	<b>B 234</b>	
Vectra										
1.6	1,6	55	X 16 SZR <Ecotec>							
			Mot.Nr. →02HP7704	09.96-07.03			<b>0 986 357 226</b>	<b>B 226</b>		
			Mot.Nr. 02HP7705→	09.96-07.03			<b>0 986 357 126</b>	<b>B 126</b>		
					16 LZ2	09.95-07.03			<b>0 986 357 242</b>	<b>B 242</b>
				74	X 16 XEL <Ecotec>	09.95-07.02			<b>0 986 356 778</b>	<b>B 778</b>
						WW		<b>0 986 357 234</b>	<b>B 234</b>	
Vectra A										
1.4	1,4	55	14 NV							
			Mot.Nr. →02J22349	09.88-09.92			<b>0 986 356 796</b>	<b>B 796</b>		
			Mot.Nr. 02J22350→	09.88-09.92						
			Mot.Nr. →19585415	09.88-09.92		TW				
			Mot.Nr. 19585416→	09.88-09.92		TW	<b>0 986 357 148</b>	<b>B 148</b>		
1.6	1,6	52	X 16 SZ <Ecotec>							
			Fg.Nr. →P1999999; →P5999999; →P7999999	09.93-08.95			<b>0 986 357 124</b>	<b>B 124</b>		
				Fg.Nr. R1000001→; R5000001→; R7500001→	09.93-08.95			<b>0 986 357 226</b>	<b>B 226</b>	
			55	C 16 LZ2						
				Fg.Nr. P1000001→; P5000001→; P7000001→	09.92-08.95			<b>0 986 357 242</b>	<b>B 242</b>	
				C 16 NZ2						
				Fg.Nr. P1000001→; P5000001→; P7000001→	09.93-08.95			<b>0 986 357 242</b>	<b>B 242</b>	
			55-60	E 16 NZ, C 16 NZ	09.88-08.95					
				Fg.Nr. R1000001→; R5000001→; R7500001→	09.93-08.95			<b>0 986 357 156</b>	<b>B 156</b>	
				Mot.Nr. →02V65825	09.88-08.95			<b>0 986 356 723</b>	<b>B 723</b>	
		60	16 SV							
			Mot.Nr. →02E85672	09.88-08.95			<b>0 986 356 723</b>	<b>B 723</b>		
			Mot.Nr. 02E85673→	09.88-08.95			<b>0 986 357 148</b>	<b>B 148</b>		
			Mot.Nr. 02E85673→02N39785	09.88-08.95						
			Mot.Nr. 02N39786→	09.88-08.95						
1.8	1,8	65	E 18 NVR							
			Mot.Nr. →14180385	09.88-08.95			<b>0 986 356 722</b>	<b>B 722</b>		
			Mot.Nr. 14180386→	09.88-08.95						
			Mot.Nr. 14180386→14275381	09.88-08.95			<b>0 986 356 801</b>	<b>B 801</b>		
			Mot.Nr. 14275382→14279654	09.88-08.95			<b>0 986 357 125</b>	<b>B 125</b>		
			Mot.Nr. 14279655→	09.88-08.95			<b>0 986 357 242</b>	<b>B 242</b>		
			66	C 18 NZ	03.90-08.95					
				Mot.Nr. →14349310	03.90-08.95			<b>0 986 356 801</b>	<b>B 801</b>	
				Mot.Nr. 14349311→14432540	03.90-08.95			<b>0 986 357 125</b>	<b>B 125</b>	
				Mot.Nr. 14432541→	03.90-08.95			<b>0 986 357 242</b>	<b>B 242</b>	
				18 SV						
				Mot.Nr. →14180385	09.89-08.95			<b>0 986 356 722</b>	<b>B 722</b>	
				Mot.Nr. 14180386→	09.89-08.95					
				Mot.Nr. 14180386→14275381	09.89-08.95			<b>0 986 356 801</b>	<b>B 801</b>	
			Mot.Nr. 14275382→14279654	09.89-08.95			<b>0 986 357 125</b>	<b>B 125</b>		
			Mot.Nr. 14279655→	09.89-08.95			<b>0 986 357 242</b>	<b>B 242</b>		
2.0	2,0	74-85	20 NE, C 20 NE/NEF							
			Mot.Nr. →14180385	09.88-08.95			<b>0 986 356 722</b>	<b>B 722</b>		
			Mot.Nr. 14180386→	09.88-08.95						
			Mot.Nr. 14180386→14672352	09.88-08.95			<b>0 986 356 801</b>	<b>B 801</b>		
			Mot.Nr. 14672353→14841581	09.88-08.95			<b>0 986 357 125</b>	<b>B 125</b>		
			Mot.Nr. 14841582→	09.88-08.95			<b>0 986 357 242</b>	<b>B 242</b>		





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**Tigra**

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

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**Vectra**

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

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0 986 356 229

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

**Vectra A**

0 986 356 089

0 986 356 088 0 986 356 088 0 986 356 086 0 986 356 086

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0 986 356 240 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

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0 986 356 218 0 986 356 217 0 986 356 085 0 986 356 061

0 986 356 218 0 986 356 217 0 986 356 085 0 986 356 061

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0 986 356 229

0 986 356 240 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

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0 986 356 229

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0 986 356 046

0 986 356 229





◀ OPEL

2.0	2,0	85	20 NE, C 20 NE				
			Mot.Nr. →14180385	01.89-08.95	<b>0 986 356 722</b>	<b>B 722</b>	
			Mot.Nr. 14180386→14672352	01.89-08.95	<b>0 986 356 801</b>	<b>B 801</b>	
			Mot.Nr. 14672353→14841581	01.89-08.95	<b>0 986 357 125</b>	<b>B 125</b>	
				Mot.Nr. 14841582→	01.89-08.95	<b>0 986 357 242</b>	<b>B 242</b>
		95		20 SEH			
	Mot.Nr. →14180385			09.88-08.95			
	Mot.Nr. 14180386→			09.88-08.95			
	Mot.Nr. 14180386→14672352			09.88-08.95	<b>0 986 356 801</b>	<b>B 801</b>	
				Mot.Nr. 14672353→	09.88-08.95	<b>0 986 357 125</b>	<b>B 125</b>
		100		X 20 XEV <Ecotec>	11.93-08.95	<b>0 986 357 237</b>	<b>B 237</b>
		110		C 20 XE/XEJ			
	Fg.Nr. P1000001→; P5000001→; P7500001→			09.92-08.95	<b>0 986 357 237</b>	<b>B 237</b>	
	Mot.Nr. →14028514			09.92-08.95	<b>0 986 357 139</b>	<b>B 139</b>	
					WW	<b>0 986 357 227</b>	<b>B 227</b>
Mot.Nr. 14028515→Fg.Nr. NV999999;	09.92-08.95			<b>0 986 357 233</b>	<b>B 233</b>		
Mot.Nr. 14028515→Fg.Nr. N1999999;							
Mot.Nr. 14028515→Fg.Nr. N5999999							
20 XE/XEJ							
Fg.Nr. P1000001→; P5000001→; P7500001→	09.92-08.95			<b>0 986 357 237</b>	<b>B 237</b>		
Mot.Nr. →14180385; →14028514	09.92-08.95			<b>0 986 357 139</b>	<b>B 139</b>		
		WW	<b>0 986 357 227</b>	<b>B 227</b>			
Mot.Nr. 14180386→Fg.Nr. NV999999;	09.92-08.95	<b>0 986 357 233</b>	<b>B 233</b>				
Mot.Nr. 14180386→Fg.Nr. N1999999;							
Mot.Nr. 14180386→Fg.Nr. N5999999							
	150		C 20 LET	09.92-08.95	<b>0 986 357 233</b>	<b>B 233</b>	
2.5	2,5	125	C 25 XE				
			Mot.Nr. →08145499	02.93-08.95	<b>0 986 357 143</b>	<b>B 143</b>	
			Mot.Nr. 08145500→	02.93-08.95	<b>0 986 357 050</b>	<b>B 050</b>	
2000	2,0	110	C 20 XE/XEJ				
			Fg.Nr. P1000001→; P5000001→; P7500001→	09.89-08.92	<b>0 986 357 237</b>	<b>B 237</b>	
			Mot.Nr. →14028514	09.89-08.92	<b>0 986 357 139</b>	<b>B 139</b>	
					WW	<b>0 986 357 227</b>	<b>B 227</b>
			Mot.Nr. 14028515→Fg.Nr. NV999999;	09.89-08.92	<b>0 986 357 233</b>	<b>B 233</b>	
			Mot.Nr. 14028515→Fg.Nr. N1999999;				
			Mot.Nr. 14028515→Fg.Nr. N5999999				
			20 XE/XEJ				
			Fg.Nr. P1000001→; P5000001→; P7500001→	09.89-08.92	<b>0 986 357 237</b>	<b>B 237</b>	
			Mot.Nr. →14180385→14028514	09.89-08.92	<b>0 986 357 139</b>	<b>B 139</b>	
			WW	<b>0 986 357 227</b>	<b>B 227</b>		
	Mot.Nr. 14180386→Fg.Nr. NV999999;	09.89-08.92	<b>0 986 357 233</b>	<b>B 233</b>			
	Mot.Nr. 14180386→Fg.Nr. N1999999;						
	Mot.Nr. 14180386→Fg.Nr. N5999999						
		110-115		20 XE/XEJ			
Fg.Nr. P1000001→; P5000001→; P7500001→	09.89-08.92			<b>0 986 357 237</b>	<b>B 237</b>		
Mot.Nr. →14180385→14028514	09.89-08.92			<b>0 986 357 139</b>	<b>B 139</b>		
				WW	<b>0 986 357 227</b>	<b>B 227</b>	
Mot.Nr. 14180386→Fg.Nr. NV999999;	09.89-08.92			<b>0 986 357 233</b>	<b>B 233</b>		
Mot.Nr. 14180386→Fg.Nr. N1999999;							
Mot.Nr. 14180386→Fg.Nr. N5999999							
<b>Vectra B</b>							
1.6	1,6	55	X 16 SZR <Ecotec>				
			Mot.Nr. →02HP7704	09.96-09.00	<b>0 986 357 226</b>	<b>B 226</b>	
			Mot.Nr. 02HP7705→	09.96-09.00	<b>0 986 357 126</b>	<b>B 126</b>	
				16 LZ2	09.95-07.00	<b>0 986 357 242</b>	<b>B 242</b>
		74		X 16 XEL <Ecotec>	11.96-07.02	<b>0 986 356 778</b>	<b>B 778</b>
					WW	<b>0 986 357 234</b>	<b>B 234</b>
				TW	<b>0 986 357 237</b>	<b>B 237</b>	
1.8	1,8	85	X 18 XE <Ecotec>	09.95-09.00	<b>0 986 357 237</b>	<b>B 237</b>	
2.0	2,0	82	20 NEJ				
			Mot.Nr. →14885919	09.95-02.02	<b>0 986 357 126</b>	<b>B 126</b>	
	100		C 20 SEL; X 20 XEV <Ecotec>	09.95-09.02	<b>0 986 357 237</b>	<b>B 237</b>	
2.2	2,2	106	C 22 SEL	06.00-09.02	<b>0 986 357 237</b>	<b>B 237</b>	
2.5	2,5	125-143	X 25 XE <Ecotec>	09.95-09.00	<b>0 986 357 162</b>	<b>B 162</b>	



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0 986 356 046

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0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 183 0 986 356 180 0 986 356 180 0 986 356 180

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

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0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 183 0 986 356 180 0 986 356 180 0 986 356 180

**Vectra B**

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 229

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253





## OTOSAN

Taurus			
1.6	1,6	52	01.89-01.99
2.0	2,0	74	01.89-01.99

## PEUGEOT

Boxer									
2.0	2,0	80-81	RFL <XU10J2>; RFW <XU10J2>	02.94-05.06		0 986 356 854	B 854		
J 5									
1.8	1,8	49-51	169A,169B <XM7T>	01.84-12.93		0 986 356 795	B 795		
2.0	2,0	55-63/72	170B <XN1T>; 170C <XN1TA>; 170D <XN1TACP KAT.>	01.84-12.93		0 986 356 795	B 795		
Partner (M4,M5,B9)									
1.1	1,1	44	HDY <TU1M+>; HDZ <TU1M+>	07.96-08.02	WW	0 986 357 240	B W240		
1.4	1,4	51-52	K5A <TU3.2>	11.96-08.02		0 986 356 889	B 889		
		55	KFX <TU3JP>	07.96-06.98	WW	0 986 357 240	B W240		
1.8	1,8	66	LFX <XU7JB>	03.97-08.02		0 986 356 854	B 854		
Ranch									
1.4	1,4	55	KFX <TU3JP>	07.97-06.98	WW	0 986 357 240	B W240		
106 (S1,S2)									
1.0	1,0	33	C1A,C1B <TU9>	09.91-04.96		0 986 356 889	B 889		
		33/37	CDY <TU9M>; CDZ <TU9M>	07.92-05.05		0 986 356 830	B 830		
1.1	1,1	40-44	HDY <TU1M+>; HDY <TU1M>; HDZ <TU1M+>	08.92-05.05		0 986 356 830	B 830		
					WW	0 986 357 240	B W240		
		40/44	H1A,H1B <TU1>; H3A <TU1>	09.91-05.05		0 986 356 889	B 889		
		44	HDZ <TU1M>	09.91-06.92		0 986 356 889	B 889		
				07.92-12.93		WW	0 986 357 251	B W251	
1.3	1,3	72-74	MFZ <TU2J2>	10.93-04.96		0 986 356 830	B 830		
					WW	0 986 357 240	B W240		
1.4	1,4	44/55	K2D <TU3.2>; K3A <TU3>; K5A <TU3.2>	09.91-05.05		0 986 356 889	B 889		
			55	KDY <TU3M KAT.>	09.91-02.94		0 986 356 889	B 889	
						WW	0 986 357 251	B W251	
				KFX <TU3JP>	05.96-02.98		0 986 356 830	B 830	
						GS,WW	0 986 357 240	B W240	
				55-56	KDX <TU3FMC KAT.>; KDX <TU3MC KAT.>	12.92-04.96		0 986 356 830	B 830
1.6	1,6	65-66/74-77/87-88	NFW <TU5J2>; NFX <TU5J4>; NFY <TU5J2>; NFZ <TU5JP>	06.93-05.05		0 986 356 830	B 830		
					WW	0 986 357 240	B W240		
							WW	0 986 357 240	B W240
							WW	0 986 357 240	B W240
205									
1.0	1,0	33-37	CDZ,CDY <TU9M>; C1A,C1B <TU9>	10.87-09.98		0 986 356 889	B 889		
					WW	0 986 357 251	B W251		
1.1	1,1	44	HDZ, HDY <TU1M>	07.89-09.98		0 986 356 889	B 889		
					WW	0 986 357 251	B W251		
1.4	1,4	43/55	K2D <TU3.2>; K3A <TU3>	10.87-12.92		0 986 356 889	B 889		
				01.93-12.94		0 986 356 830	B 830		
		44-50/55-58	KDY <TU3FM Kat.(Gußmot.)>; KDY <TU3M Kat.>; K1D,K1F <TU3A>	10.87-09.98		WW	0 986 357 240	B W240	
					WW	0 986 357 251	B W251		
1.6	1,6	53-58	B1E,B2A, B2B,B2C <XU51C>	11.90-09.98		0 986 356 794	B 794		
		65	BDY <XU5M Kat.>	11.90-09.98		0 986 356 854	B 854		
		83	B6E <XU5JA>	11.90-09.98	AG	0 986 356 820	B 820		
1.9	1,9	75/88	DFY,DKZ <XU9JAZ Kat.>; DFZ <XU9J1 Kat.>	01.91-10.94		0 986 356 820	B 820		
		90-94	D6B <XU9JA>	01.91-09.98		0 986 356 820	B 820		





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**OTOSAN**

**Taurus**

0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120	0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120	0 986 356 098

**PEUGEOT**

**Boxer**

**J 5**

**Partner (M4,M5,B9)**

0 986 356 061

**Ranch**

**106 (S1,S2)**

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

**205**

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 063

0 986 356 057







◀ PEUGEOT

306 (N3,N5)							
1.1	1,1	40/44	HDY <TU1M+>; HDY <TU1M>; HDZ <TU1M+>; HDZ <TU1M>	01.93-04.97	WW	0 986 357 240	B W240
1.4	1,4	44/55	K2D <TU3.2>; K3A <TU3>; K5A <TU3.2>	01.93-10.03		0 986 356 889	B 889
		55	KDX <TU3MC>; KFX <TU3JP>	01.93-04.97		0 986 356 830	B 830
1.6	1,6	65-66	NFZ <TU5JP>	01.93-06.98	WW	0 986 357 240	B W240
				01.93-10.00		0 986 356 830	B 830
1.8	1,8	74-76/81	LFY <XU7JP4>; LFZ <XU7JP KAT.>; LFZ <XU7JP KAT.>; L6A <XU7JP>	01.93-10.03		0 986 356 854	B 854
2.0	2,0	89-90	RFX <XU10J2 KAT.>; R6D <XU10J2>	08.93-04.97		0 986 356 727	B 727
309							
1.1	1,1	40	E1A <E1>	01.89-12.91		0 986 356 749	B 749
		40-44	HDZ,HDY <TU1MZ Kat.>	10.90-12.93		0 986 356 889	B 889
			H1A,H1B <TU1>	07.89-12.93	WW	0 986 357 251	B W251
1.3	1,3	47	1G1A <G1>	01.89-12.91		0 986 356 749	B 749
1.4	1,4	42-44/55/62	K2A,K2B <TU3S>; K2D <TU3F2>; K3A <TU3>	01.89-12.93		0 986 356 889	B 889
		51	K1D,K1F, K1G <TU3A>	01.89-12.93		0 986 356 889	B 889
					WW	0 986 357 251	B W251
		55-58	KDY <TU3FM Kat.(Gußmot.)>	06.91-12.93		0 986 356 889	B 889
					WW	0 986 357 251	B W251
			KDY <TU3M Kat.>	06.90-12.93		0 986 356 889	B 889
					WW	0 986 357 251	B W251
				12.93-12.93		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.6	1,6	65	BDY <XU5M Kat.>	01.91-12.93		0 986 356 854	B 854
			BDZ <XU5M Kat.>	07.89-03.91		0 986 356 794	B 794
		65/68/90	B2A,B2B, B2C <XU52C>; B5A <XU52C>; B6E <XU5JA>	07.88-12.93		0 986 356 820	B 820
		69	J2A <J2>	01.88-12.91		0 986 356 794	B 794
1.9	1,9	72	DFZ <XU9J1 Kat.>	10.86-12.93		0 986 357 128	B 128
		80	DDZ <XU9M Kat.>	01.90-12.93		0 986 356 820	B 820
			D2H,D2F <XU92C>	10.90-12.93		0 986 356 794	B 794
		88-90	DKZ,DFY <XU9JAZ Kat.>	12.89-12.93		0 986 356 820	B 820
		94	D6B <XU9JA>	12.89-12.93		0 986 356 820	B 820
		108	DFW <XU9J4/Z Kat.>	08.90-12.93		0 986 356 751	B 751
		116	D6C <XU9J4/K>	02.90-12.93		0 986 356 751	B 751
405							
1.8	1,8	74	<XU7JP>	10.99-10.04		0 986 356 854	B 854
405 (4,15)							
1.4	1,4	44/51/55	K1G <TU3A>; K2D <TU3F2>; K2D <TU3.2>; K3A <TU3TR>	11.87-04.97		0 986 356 889	B 889
		55	KDX <TU3MC Kat.>	06.92-04.97	WW	0 986 357 240	B W240
1.6	1,6	53	B1D,B1E <XU51C>	07.87-12.92	ZVD	0 986 357 128	B 128
						ZVS	0 986 356 794
		65	BDY <XU5M Kat.>	09.90-12.92		0 986 356 794	B 794
			BFZ <XU5JP>	09.94-04.97		0 986 356 854	B 854
			B5A <XU52C>	07.87-12.92		0 986 356 794	B 794
						06.92-04.97	
65-66	BDY <XU5M Kat.>	06.92-04.97		0 986 356 854	B 854		
	B5A <XU52C>	06.92-04.97		0 986 356 854	B 854		
68	B2A, B2B, B2C <XU52C>	07.87-09.92		0 986 356 794	B 794		
	B2A <XU52C>	06.92-04.97		0 986 356 854	B 854		
1.8	1,8	74-76	LFZ <XU7JP Kat.>; L6A <XU7JP>	06.92-04.97		0 986 356 854	B 854
1.9	1,9	70/80/81	D2C <XU92C>; D2D <XU92C>; D2H <XU92C>	07.87-12.92	ZVD	0 986 357 128	B 128
						ZVS	0 986 356 794
		77	DFZ <XU9J1 Kat.>	07.87-12.92		0 986 357 128	B 128
		80	DDZ <XU9M Kat.>	07.88-06.91		0 986 356 803	B 803
		82	DFV <XU9J2 Kat.>	07.87-12.92		0 986 356 803	B 803
		88	DKZ,DFY <XU9JAZ Kat.>	07.88-12.92		0 986 356 803	B 803
		89	D6D <XU9J2>	06.92-04.97		0 986 356 727	B 727
		90-92	D6A <XU9J2>	07.87-12.92		0 986 356 803	B 803
			D6D <XU9J2>	07.87-06.91		0 986 356 803	B 803
		108-111	DFW <XU9J4Z Kat.>	04.88-12.92		0 986 356 751	B 751
1.9	1,9	116	D6C <XU9J4/K>	07.87-12.92		0 986 356 751	B 751
2.0	2,0	89-91	RFX <XU10J2 Kat.>; R6D <XU10J2>	06.92-04.97		0 986 356 727	B 727





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306 (N3,N5)

0 986 356 061

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

309

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

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405

405 (4,15)

0 986 356 061

0 986 356 063

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0 986 356 057

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 057

0 986 356 057

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132





◀ PEUGEOT

406 (D8,D9)							
1.6	1,6	65	BFZ <XU5JP>		10.95-06.04	0 986 356 854	B 854
1.8	1,8	66/74-76/81-82	LFY <XU7JB>; LFY <XU7JP4>; LFY <XU7JP4/L3>; L6A <XU7JP>		10.95-06.04	0 986 356 854	B 854
2.0	2,0	97	RFV <XU10J4R>		04.99-06.04	0 986 356 727	B 727
		97-99	RFV <XU10J4R>		10.95-03.99	0 986 356 727	B 727
		108-110	RGX <XU10J2TE>		04.96-03.99	0 986 356 727	B 727
505							
1.8	1,8	62	150C <XM7A>		10.85-12.93	0 986 356 795	B 795
2.0	2,0	60-71	106E <XN1>		05.79-12.93		
		72-74	106ER <XN1A>		10.85-12.93	0 986 356 795	B 795
2.2	2,2	84/90-96	851B,851Y <ZDJL>; 851X <ZDJL Kat.>		08.83-12.93		
605							
2.0	2,0	79	R5A <XU102C>		10.89-05.99	0 986 357 123	B 123
		79/89-90	RDZ <XU10M KAT.>; RFZ <XU10J2 KAT.>		01.91-06.94	0 986 356 727	B 727
		84	R2A <XU102C>		10.89-12.92	0 986 357 123	B 123
		94	R6A <XU10J2>		01.91-08.96	0 986 356 727	B 727
		104	RGY <XU10J2TE KAT.>		07.92-06.94	0 986 356 727	B 727
104-110	RGX <XU10J2TE KAT.>		07.94-05.99	0 986 356 727	B 727		
806							
2.0	2,0	89-90	RFU <XU10J2>		06.94-08.02	0 986 356 727	B 727

PLYMOUTH

Acclaim

3.0	3,0	104	EFA		01.89-08.95	0 986 356 714	B 714
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PORSCHE

944

2.5	2,5	184	M44.52		09.87-07.91	0 986 356 377	B 377
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RENAULT

Clio I

1.1	1,1	35-36	C1E 700		06.90-03.96	ZMB	0 986 357 117	B 117
1.2	1,2	40	C3G 700,720		09.95-03.96			
		40-41/44	E7F 706 Kat.; E7F 708; E7F 708 Kat.; E7F 750 Kat.		06.90-02.98	ZMS	0 986 356 798	B 798
						WW,ZVS	0 986 357 250	B W250
						ZVS	0 986 356 888	B 888
		40-44	D7F 730		04.96-02.98	WW,ZVS	0 986 357 250	B W250
				ZMB	0 986 357 117	B 117		
				ZVM	0 986 357 253	B W253		
				ZVS	0 986 356 888	B 888		
			E5F 710; E5F 716; E7F 700 Kat.; E7F 704 Kat.		06.90-02.98	WW,ZVS	0 986 357 250	B W250
						ZMB	0 986 357 117	B 117
						ZVS	0 986 356 888	B 888
1.4	1,4	55-57	E6J 712,713; E6J 718; E6J 760		06.90-02.98	WW,ZVS	0 986 357 250	B W250
						ZVS	0 986 356 888	B 888
		55-59	E7J 601 Kat.; E7J 710,711 Kat.; E7J 716 Kat.; E7J 718,719 Kat.; E7J 756,757 Kat.		04.90-02.98		0 986 357 250	B W250
1.7	1,7	66-68	F2N 770		06.90-03.96		0 986 356 883	B 883
1.8	1,8	65-70/79-81	F3P 710 Kat.; F3P 712 Kat.; F3P 714 Kat.; F3P 744,745 Kat.; F3P 745 Kat.; F3P 748; F3P 754,755 Kat.; F3P 755 Kat.; F3P 758; F3P 758 Kat.		06.90-02.98		0 986 356 883	B 883
Clio II								
1.0	1,0	43	D7D 760		03.99-11.04			
1.2	1,2	43	D7F 720		03.98-09.99		0 986 357 253	B W253
					03.98-10.07			
			D7F 722; D7F 744; D7F 746; D7F 764; D7F 726; D7F 766		03.98→			



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406 (D8,D9)

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132  
 0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132  
 0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

505

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 025  
 0 986 356 019 0 986 356 021 0 986 356 025 0 986 356 025

0 986 356 044

0 986 356 042

605

0 986 356 058

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132  
 0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132  
 0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 058

806

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132

**PLYMOUTH**

Acclaim

0 986 356 004 0 986 356 006 0 986 356 008 0 986 356 008 0 986 356 008 0 986 356 010

0 986 356 042

**PORSCHE**

944

**RENAULT**

Clio I

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019  
 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 046

0 986 356 035

0 986 356 062

0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062

0 986 356 062

0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270  
 0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062

0 986 356 062

0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149  
 0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062

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0 986 356 061 0 986 356 062 0 986 356 062 0 986 356 063  
 0 986 356 061 0 986 356 062 0 986 356 062 0 986 356 063

0 986 356 062

0 986 356 061

Clio II

0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270  
 0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270  
 0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270





◀ RENAULT

1.4	1,4	55	E7J 634; E7J 635	03.99-10.07		0 986 357 256	B W256
			E7J 780	03.98-10.07		0 986 357 184	B 184
					WW	0 986 357 255	B W255
			K7J 700	10.00-03.05		0 986 357 256	B W256
1.6	1,6	66	K4M 746	10.99-10.07		0 986 357 256	B W256
			K7M 744; K7M 745	03.98-10.07		0 986 357 184	B 184
					WW	0 986 357 255	B W255
<b>Clio III (BR/CR/KR)</b>							
1.2	1,1	74	D4F 78...	08.07→			
<b>Espace II</b>							
2.0	2,0	77	J7R 768	01.91-09.96		0 986 356 704	B 704
2.2	2,2	79-81	J7T 772	01.91-09.96			
			J7T 772,773; J7T 776	01.91-09.96		0 986 356 704	B 704
2.9	2,9	110-113	Z7W 712,713	01.91-12.95		0 986 356 964	B 964
			Z7W 717	04.94-09.96		0 986 356 964	B 964
<b>Espace III</b>							
2.0	2,0	83,5	F3R 728; F3R 729; F3R 768; F3R 769	10.96-03.97	ZMS	0 986 357 210	B 210
				04.97-10.02	ZMM	0 986 356 967	B 967
3.0	3,0	123	Z7X 775	10.96-10.02		0 986 357 187	B 187
<b>Express, Extra, Rapid</b>							
1.0	1,0	27-30	C1C 706,700	03.86-08.91	ZMB	0 986 357 117	B 117
1.1	1,1	33/34/36	C1E 754; C1E 756; C1E 760; C1E 762; C1E 764; C1E 792	03.86-10.97	ZMB	0 986 357 117	B 117
1.2	1,2	40	C3G 700,710	09.91-10.97			
					ZMS	0 986 356 798	B 798
1.4	1,4	43	E6J 734,712; E6J 738,712	09.91-09.97	WW,ZVS	0 986 357 250	B W250
					ZVS	0 986 356 888	B 888
		43/44	C1J 768,715; C1J 780; C2J 782,784; C3J 702 Kat.; C3J 760 Kat.	03.86-09.97			
					ZMB	0 986 357 117	B 117
					ZMS	0 986 356 798	B 798
		44	C3J 762 Kat.	09.91-03.97	WW,ZVS	0 986 357 250	B W250
					ZMB	0 986 357 117	B 117
					ZVS	0 986 356 888	B 888
		55-59	E7J 720 Kat.; E7J 724,710 Kat.; E7J 726,710 Kat.; E7J 728,754 Kat.	09.91-10.97		0 986 357 250	B W250
<b>Kangoo I</b>							
1.0	1,0	43	D7D 700; D7D 760	09.98-12.07			
1.2	1,2	44	D7F 710; D7F 720; D7F 722; D7F 726; D7F 744; D7F 746; D7F 764; D7F 766	10.97-12.07			
1.4	1,4	55	E7J 634; E7J 635	09.98-12.07		0 986 357 256	B W256
			E7J 780	10.97-12.07		0 986 357 184	B 184
					WW	0 986 357 255	B W255
			K7J 700; K7J 701	06.00-03.05		0 986 357 256	B W256
1.6	1,6	66	K7M 746	09.99-12.07		0 986 357 256	B W256
<b>Laguna I</b>							
1.8	1,8	66-70	F3P 670; F3P 674	09.95-03.97	ZMS	0 986 357 210	B 210
				04.97-03.01	ZMM	0 986 356 967	B 967
			F3P 676	05.98-02.01	ZMM	0 986 356 967	B 967
			F3P 678; F3P 720; F3P 724	01.94-03.01		0 986 356 715	B 715
					WW	0 986 357 230	B 230
2.0	2,0	83-85	F3R 611	05.98-02.01	ZMM	0 986 356 967	B 967
			F3R 722; F3R 723	01.94-02.01		0 986 356 715	B 715
					WW	0 986 357 230	B 230
			F3R 728; F3R 729; F3R 768; F3R 769	09.95-03.97	ZMS	0 986 357 210	B 210
				04.97-02.01	ZMM	0 986 356 967	B 967
		102	N7Q 700; N7Q 704	09.95-02.01		0 986 356 817	B 817
					WW	0 986 357 238	B W238
3.0	3,0	123-125	Z7X 760; Z7X 765; Z7X 767	01.94-02.01		0 986 357 187	B 187
<b>Logan</b>							
1.4	1,4	55	K7J 710	07.04→		0 986 357 256	B W256
1.6	1,6	64	K7M 710	07.04→		0 986 357 256	B W256
<b>Master</b>							
P28	2,0	63	J5R 718,728	10.86-09.97		0 986 357 216	B 216
T28	2,0	57-59	J5R 718	10.86-09.97		0 986 357 216	B 216





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**Clio III (BR/CR/KR)**

0 986 356 062

**Espace II**

0 986 356 034

0 986 356 002 0 986 356 002 0 986 356 006 0 986 356 006

0 986 356 035

0 986 356 034

**Espace III**

**Express, Extra, Rapid**

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 035

0 986 356 062

0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 046

0 986 356 035

0 986 356 062

0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062

0 986 356 062

**Kangoo I**

0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270

0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270

**Laguna I**

0 986 356 056 0 986 356 055 0 986 356 055 0 986 356 055

**Logan**

**Master**

0 986 356 044

0 986 356 044





◀ RENAULT

Megane I								
1.4	1,4	51-52	E7J 624	01.96-02.99		0 986 357 250	B W250	
		51-55	E7J 626	02.99-09.03		0 986 357 256	B W256	
		55	E7J 764	01.96-09.03		0 986 357 250	B W250	
1.6	1,6	55	K7M 720	01.96-02.97		0 986 357 252	B W 252	
				03.97-06.98		0 986 357 184	B 184	
				07.98-09.03		0 986 357 256	B W256	
		66	K7M 702; K7M 703	01.96-02.97		0 986 357 252	B W 252	
				03.97-06.98		0 986 357 184	B 184	
					WW	0 986 357 255	B W255	
				07.98-09.03		0 986 357 256	B W256	
				K7M 790	01.96-02.99		0 986 357 252	B W 252
		66/79	K7M 704	10.99-09.03		0 986 357 256	B W256	
		83-84	F3R 750	01.96-03.97	ZMS	0 986 357 210	B 210	
	F3R 751	04.97-02.99	ZMM	0 986 356 967	B 967			
	F3R 751	01.96-03.97	ZMS	0 986 357 210	B 210			
83/84	F3R 791	09.96-09.03	ZMM	0 986 356 967	B 967			
	F3R 796; F3R 797; F3R 798	09.96-03.97	ZMS	0 986 357 210	B 210			
		04.97-09.03	ZMM	0 986 356 967	B 967			
84	F3R 751	09.96-03.97	ZMS	0 986 357 210	B 210			
		04.97-02.99	ZMM	0 986 356 967	B 967			
	F3R 752	09.96-03.97	ZMS	0 986 357 210	B 210			
R 4								
0.8	0,8	21,5	B1B 707; 800 705	10.82-12.93		0 986 357 137	B 137	
1.0	1,0	25	C1C 708	10.86-12.93	ZMB	0 986 357 117	B 117	
1.1	1,1	25	C1E 714	10.82-12.93		0 986 357 137	B 137	
			C1E 719	10.84-12.93		0 986 357 137	B 137	
			688 712	10.82-12.93		0 986 357 137	B 137	
R 4 (F4/F6)								
0.8	0,8	21,5	B1B 707	10.82-12.93		0 986 357 137	B 137	
1.1	1,1	25	C1E 714	10.76-12.93				
			C1E 718 <R2370>	10.76-12.93				
			C1E 718 <R210B;R293B>	10.83-12.93				
			C1E 719	10.83-12.93				
R 5								
1.0	1,0	30	C1C 700	10.84-12.96	ZMB	0 986 357 117	B 117	
1.1	1,1	33	C1E 750	10.84-12.96	ZMB	0 986 357 117	B 117	
			C1E 760	08.90-12.96				
					ZMB	0 986 357 117	B 117	
1.2	1,2	40	C1G 702,730; C1G 720; C1G 722	10.84-12.96	ZMB	0 986 357 117	B 117	
1.4	1,4	43	C1J 768,715	10.84-12.96	ZMS	0 986 356 798	B 798	
		44	C2J 784	06.87-12.96				
						ZMS	0 986 356 798	B 798
		44/49	C2J 788; C3J 760 Kat.	10.84-12.96	ZMS	0 986 356 798	B 798	
		49/50	C2J 700; C2J 718,781; C2J 766; C2J 767,789; C2J 782	10.84-12.96	ZMS	0 986 356 798	B 798	
77/88	C1J 784; C1J 788	10.84-12.96	ZMB	0 986 357 117	B 117			
1.7	1,7	55/66/69	F2N 710,740; F2N 742; F3N 702,722 Kat.; F3N 716,718 Kat.; F3N 717 Kat.	10.86-12.96		0 986 356 822	B 822	
R 9								
1.2	1,2	40	C1G 710	09.86-03.91	ZMB	0 986 357 117	B 117	
1.4	1,4	44/50-53	C1J 798; C2J 717	01.85-12.95	ZMB	0 986 357 117	B 117	
		49-50/53	C2J 797; C2L 720	01.85-12.95	ZMB	0 986 357 117	B 117	
		49/53	C2J 730; C2J 766,767; C2J 768; C2J 792; C2J 794	09.81-03.91				
					ZMB	0 986 357 117	B 117	
					ZMS			
		50-53	C2J 717,718	09.81-03.91	ZMS			
		53	C2J 796	01.85-12.95	ZMB	0 986 357 117	B 117	
			C2J 796,797	09.81-03.91				
					ZMB	0 986 357 117	B 117	
					ZMS			
		77/85	C1J 760; C1J 764; C1J 770,782	09.84-03.91				
					ZMS			







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Megane I

0 986 356 062

0 986 356 062

R 4

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 019 0 986 356 044

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

R 4 (F4/F6)

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

R 5

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 046

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 046

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 046

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 035

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 035

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 035

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 035

0 986 356 061 0 986 356 062 0 986 356 062 0 986 356 063 0 986 356 149

R 9

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 044

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 046

0 986 356 013

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 013

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 046

0 986 356 013

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 013

0 986 356 013





◀ RENAULT

1.7	1,7	54/64/65/69	F2N 708,710; F2N 730,712; F2N 732,742; F3N 708,722 Kat.; F3N 718 Kat.	09.84-03.91		0 986 356 744	B 744
<b>R 11</b>							
1.1	1,1	35	C1E 715; C1E 720	03.83-03.91	ZMB	0 986 357 117	B 117
1.2	1,2	40	C1G 710	06.86-03.91	ZMB	0 986 357 117	B 117
1.4	1,4	43	C3J 700 Kat.	06.87-03.91			
					ZMB	0 986 357 117	B 117
					ZMS		
		44/46/49	C2J 717,718; C2J 720; C2J 730; C2J 766; C2J 767; C2J 768; C2J 794	03.83-03.91			
					ZMB	0 986 357 117	B 117
					ZMS		
		49-50	C2L 720	01.93-03.95	ZMB	0 986 357 117	B 117
		50-53	C2J 717	01.85-03.95	ZMB	0 986 357 117	B 117
		77	C1J 764	09.83-03.91			
					ZMS		
		85	C1J 770,782	06.85-03.91	ZMS		
1.7	1,7	54/64/65	F2N 708,710; F2N 730,712; F2N 732,742; F2N 798	10.86-03.91		0 986 356 744	B 744
<b>R 19</b>							
1.2	1,2	40	C1G 730	09.88-12.01	ZMB	0 986 357 117	B 117
		46	E7F 730 Kat.	05.92-12.01	WW,ZVS	0 986 357 250	B W250
					ZVS	0 986 356 888	B 888
1.4	1,4	40-44/50	C1J 742; C2J 772; C2J 776; C3J 710 Kat.	09.88-12.01	ZMB	0 986 357 117	B 117
		55-59	E7J 700 Kat.; E7J 706 Kat.; E7J 742 Kat.; E7J 745 Kat.	05.90-12.01		0 986 357 250	B W250
		58-59	E6J 700; E6J 701; E6J 706	09.88-12.01	WW,ZVS	0 986 357 250	B W250
					ZVS	0 986 356 888	B 888
1.6	1,6	61	C3L; F3P	01.93-05.00	ZMS	0 986 356 798	B 798
1.7	1,7	54/55-56/68	F2N 720; F2N 721; F2N 724; F2N 726; F2N 727; F3N 740 Kat.; F3N 741 Kat.	09.88-12.95		0 986 357 254	B W254
		66-70	F3N 742 Kat.; F3N 743 Kat.	09.88-12.95		0 986 356 822	B 822
						0 986 357 254	B W254
			F3N 746	06.89-12.95		0 986 357 254	B W254
1.8	1,8	65-66/79-83	F3P 682 Kat.; F3P 700 Kat.; F3P 704 Kat.; F3P 705 Kat.; F3P 706 Kat.; F3P 707 Kat.; F3P 708 Kat.; F3P 760 Kat.; F3P 764 Kat.; F3P 765 Kat.	05.92-12.95		0 986 356 883	B 883
		99-101/103	F7P 700; F7P 704 Kat.	06.89-12.95		0 986 357 243	B W243
<b>R 21 (B48,K48,L48)</b>							
1.7	1,7	53-56	F2N 712	06.86-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743
				09.89-03.93		0 986 356 780	B 780
		54	F3N 726,718,740 Kat.	09.89-12.93		0 986 356 822	B 822
				01.91-12.95		0 986 356 780	B 780
			F3N 726,740,718 Kat.	01.91-12.94		0 986 356 780	B 780
		54-60	F2N 758,720	06.90-12.95		0 986 356 780	B 780
			F2N 786	06.90-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743
		54/64	F2N 750,712; F2N 752,742	03.86-12.94		0 986 356 780	B 780
		55	F2N 711,720	09.89-03.93		0 986 356 780	B 780
			F2N 754,720	09.89-03.93		0 986 356 780	B 780
		55-56	F2N 716,712	03.86-03.93		0 986 357 254	B W254
					WW	0 986 356 743	B 743
		56	F2N 716	09.89-12.91		0 986 356 780	B 780
		65	F2N 754,711,720	02.88-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 754,720,711	01.89-03.93		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 758,720	06.90-12.94		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 783	03.86-03.92		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 786	06.90-12.94		0 986 356 780	B 780
		66-70	F3N 722,723 Kat.	09.89-12.95		0 986 356 780	B 780
		68-70	F2N 710	06.86-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743





1	2	3	4	5	6	7	8
0 986 356 055	0 986 356 056	0 986 356 056	0 986 356 057				
							<b>R 11</b>
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 046
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 046
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 046
							0 986 356 013
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 044
							0 986 356 013
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 013
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 013
0 986 356 055	0 986 356 056	0 986 356 056	0 986 356 057				
							<b>R 19</b>
							0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 149	0 986 356 149				0 986 356 062
							0 986 356 062
							0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 149	0 986 356 149				0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 062	0 986 356 063				0 986 356 149
0 986 356 061	0 986 356 062	0 986 356 062	0 986 356 063				0 986 356 062
							<b>R 21 (B48,K48,L48)</b>
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 149
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064





◀ RENAULT

2.0	2,0	66	F2R 702	03.86-03.92		0 986 356 704	B 704
				06.86-12.91		0 986 357 254	B W254
					WW	0 986 356 743	B 743
		75/76	J6R 758; J6R 759; J6R 792; J6R 792,793; J6R 793	03.86-12.95		0 986 356 704	B 704
		85-88/ 119-129	J7R 746,747 Kat.; J7R 750,751; J7R 752	10.86-12.95		0 986 356 704	B 704
		99-100	J7R 740 Kat.	05.89-12.95		0 986 356 743	B 743
		119-121	J7R 756 Kat.	05.89-03.93		0 986 356 743	B 743
2.2	2,2	79-81/85	J6T 790,791; J7T 754,755 Kat.; J7T 756 Kat.	03.86-12.95		0 986 356 704	B 704
<b>R 25</b>							
2.0	2,0	74	J6R 706,707; J6R 760,762,763	01.84-12.92		0 986 356 704	B 704
		88	J7R 722,723	06.87-12.92		0 986 356 704	B 704
		99-100	J7R 726 Kat.	06.89-12.92		0 986 356 743	B 743
		103	J7R 720,721	10.88-12.92		0 986 356 743	B 743
2.2	2,2	79-81	J7T 732,733 Kat.	10.86-12.92		0 986 356 704	B 704
2.9	2,9	110-112/115	Z7W 700; Z7W 701; Z7W 706,707 Kat.; Z7W 709	06.87-12.92		0 986 356 965	B 965
<b>Safrane</b>							
2.0	2,0	77/97-99	J7R 732,733; J7R 734,735; J7R 738,739	04.92-09.96		0 986 356 740	B 740
		100	N7Q 710; N7Q 711	10.96-12.00		0 986 356 817	B 817
					WW	0 986 357 238	B W238
2.2	2,2	79-81/101-104	J7T 760,761; J7T 762,763; J7T 766,767	04.92-09.96		0 986 356 740	B 740
2.5	2,5	121	N7U 700; N7U 701	10.96-12.00		0 986 357 232	B W232
3.0	3,0	123-125/ 190-197	Z7X 721; Z7X 722,723; Z7X 726; Z7X 753; Z7X 755	04.92-12.00		0 986 357 170	B 170
<b>Sandero</b>							
1.4	1,4	55	K7J 71...	12.09→		0 986 357 256	B W256
1.6	1,6	62/64	K7M 7...; K7M 8...	12.09→		0 986 357 256	B W256
<b>Scenic I / Megane Scenic (JA)</b>							
1.4	1,4	55	E7J 764	11.96-04.03		0 986 357 250	B W250
1.6	1,6	55	K7M 720	11.96-02.97		0 986 357 252	B W 252
				03.97-06.98		0 986 357 184	B 184
				07.98-04.03		0 986 357 256	B W256
		66	K7M 702; K7M 703	01.96-02.97		0 986 357 252	B W 252
				03.97-06.98		0 986 357 184	B 184
					WW	0 986 357 255	B W255
				07.98-04.03		0 986 357 256	B W256
2.0	2,0	83-84	F3R 750; F3R 751	11.96-03.97	ZMS	0 986 357 210	B 210
		84	F3R 791	11.96-04.03	ZMM	0 986 356 967	B 967
			F3R 796; F3R 797; F3R 798	11.96-03.97	ZMS	0 986 357 210	B 210
				04.97-04.03	ZMM	0 986 356 967	B 967
<b>Thalia</b>							
1.2	1,2	43	D7F 726	06.01-10.07			
1.4	1,4	55	K7J 700	10.99-03.05		0 986 357 256	B W256
1.6	1,6	66	K4M 746	10.99-10.07		0 986 357 256	B W256
<b>Trafic</b>							
1.4	1,4	36	847 700 <C1J 700>	09.80-10.97	ZMB	0 986 357 117	B 117
1.7	1,7	50/58	F1N 722,720; F1N 724; F1N 724,720	10.84-10.97		0 986 357 254	B W254
					WW	0 986 356 743	B 743
2.0	2,0	59	J5R 716; J5R 726	09.80-10.97		0 986 357 216	B 216
<b>Twingo I</b>							
1.0	1,0	43	D7D 740	01.00-05.07			
1.2	1,2	40	C3G 700; C3G 702	03.93-08.97			
					ZMS	0 986 356 798	B 798
		40-44	D7F 700; D7F 701; D7F 702	09.96-05.07		0 986 357 253	B W253
		43	D7F 703; D7F 703 EOBD; D7F 704	01.96-05.07			
			D7F 706	09.98-05.07		0 986 357 253	B W253
			D7F 708	02.01-05.07			
<b>Twingo II</b>							
1.2	1,2	43	D7F 800	04.07→			



1	2	3	4	5	6	7	8
							0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 034
							0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 034
							R 25
							0 986 356 034
							0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 034
							Safrane
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
							Sandero
							Scenic I / Megane Scenic (JA)
							0 986 356 062
							Thalia
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270				
							Trafic
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 046
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 044
							Twingo I
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270				
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 035
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270				
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270				
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270				
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270				
							Twingo II
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270				





**ROVER**

<b>Maestro</b>						
1.3	1,3	49-51	A-Plus	09.88-12.93		
1.6	1,6	61-63/72	<S-Series>; 16 H <S-Series>	09.88-12.93		
2.0	2,0	83	20 H- EFI <O-Series>	09.88-12.93		

<b>Mini</b>						
1.0	1,0	29-33	A-Plus	09.88-12.92		<b>0 986 356 844 B 844</b>
1.3	1,3	39-46	<MPi>	10.96-09.00	PSM	<b>0 986 357 209 B 209</b>
			<SPi>	02.91-09.00	PSM	<b>0 986 356 844 B 844</b>

<b>Mini Cooper</b>						
1.3	1,3	39-46/59	; <MPi>; 12 HL <MPi>	09.94-09.00	PSM	<b>0 986 357 209 B 209</b>
					PSM	<b>0 986 356 844 B 844</b>

<b>Mini De Ville</b>						
1.3	1,3	59		09.94-09.96	PSM	<b>0 986 357 209 B 209</b>
					PSM	<b>0 986 356 844 B 844</b>

<b>Mini Margrave</b>						
1.4	1,4	77		09.95-09.00		<b>0 986 356 844 B 844</b>

<b>Mini Retro Rally</b>						
1.3	1,3	60		09.94-09.96	PSM	<b>0 986 357 209 B 209</b>
					PSM	<b>0 986 356 844 B 844</b>

<b>Montego</b>						
1.6	1,6	61-63	16HL <S-Serie>	09.88-12.93		
2.0	2,0	77	<O-Serie>	09.88-12.93		
		83	20 H	09.88-12.93		

<b>Serie 200</b>						
211	1,1	44-45	11K2D <K-Serie>	11.95-03.00		<b>0 986 357 153 B 153</b>
214	1,4	55	14K2A <K8-SOHC>	01.93-02.96		<b>0 986 357 152 B 152</b>
			14K2F <K-Serie>	10.95-03.00		<b>0 986 357 153 B 153</b>
		55-56	<K8-SOHC>	10.89-12.92		
		66-70	14K4C	10.89-09.93		<b>0 986 356 748 B 748</b>
		76	K16	10.92-03.96		<b>0 986 356 748 B 748</b>
			14K4F <K-Serie>	10.95-03.00		<b>0 986 357 153 B 153</b>
						<b>0 986 357 154 B 154</b>
216	1,6	82	16K4F <K-Serie>	10.95-03.00		<b>0 986 357 153 B 153</b>
				03.96-03.00		<b>0 986 357 154 B 154</b>
		82-85	D16...	10.89-02.96		<b>0 986 356 721 B 721</b>
		90	D16A8 <ZC-DOHC Twin Cam>	01.92-02.96		<b>0 986 356 867 B 867</b>
			D16Z2 <D 16 Honda, PGM 16V>	10.89-02.96		<b>0 986 356 721 B 721</b>
		90-96	D16...	09.90-02.96		<b>0 986 356 867 B 867</b>
218	1,8		18 K4F <K-Serie>	09.95-03.00		<b>0 986 356 731 B 731</b>
		107	<K-Serie-VVC>	03.96-03.00		<b>0 986 357 160 B 160</b>
			18K4K -VVC- <K-Serie>	09.95-03.00		<b>0 986 357 154 B 154</b>
						<b>0 986 357 160 B 160</b>
220	2,0	100	T16	10.92-02.96		<b>0 986 356 807 B 807</b>
					WW	<b>0 986 357 236 B 236</b>
		103	T16	09.91-10.92		<b>0 986 356 867 B 867</b>
				10.92-02.96		<b>0 986 356 807 B 807</b>
					WW	<b>0 986 357 236 B 236</b>
		147	20T4G	01.93-02.96		<b>0 986 357 217 B 217</b>

<b>Serie 400</b>						
414	1,4	66-70	14K4C	04.90-10.92		<b>0 986 356 748 B 748</b>
		76	K14K4F	01.93-02.96		<b>0 986 356 748 B 748</b>
			14 K4F <K-Serie>	05.95-03.00		<b>0 986 356 731 B 731</b>
416	1,6	82	K16 <K-Serie>	05.95-03.00		<b>0 986 356 731 B 731</b>
		82/83	D16B2/D16Y3; <D16Y3-SOHC>	05.95-03.00		<b>0 986 356 731 B 731</b>
		82-85	D16... <Honda-PGM-FID/6A>	04.90-02.96		<b>0 986 356 721 B 721</b>
			D16Z2 <Honda-PGM-FID/6A>	04.90-02.96		<b>0 986 356 721 B 721</b>
		90-96	16V ZC	04.90-02.96		<b>0 986 356 867 B 867</b>
418	1,8	107	<DOHC-VVC->	03.96-12.98		<b>0 986 357 160 B 160</b>





1 2 3 4 5 6 7 8

**ROVER**

**Maestro**

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 042
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 044
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 044

**Mini**

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040

**Mini Cooper**

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
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**Mini De Ville**

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
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**Mini Margrave**

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
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**Mini Retro Rally**

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
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**Montego**

0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 044
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 044
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 040

**Serie 200**

0 986 356 006	0 986 356 006	0 986 356 002	0 986 356 002	0 986 356 049
0 986 356 004	0 986 356 004	0 986 356 008	0 986 356 008	0 986 356 049
0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108	
0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108	

0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171

0 986 356 002	0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 042
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0 986 356 002	0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 042
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**Serie 400**

0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108
0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108

0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171







◀ ROVER

420	2,0	100	20T 4H <T-Serie>	10.95-03.00		0 986 357 213	B 213	
		103	T16 <DOHC-16V>	02.92-10.92		0 986 356 867	B 867	
				02.92-02.96		0 986 356 807	B 807	
					WW	0 986 357 236	B 236	
		147	20 T4G	01.93-02.96		0 986 357 217	B 217	
<b>Serie 600</b>								
618	1,8	85	F18 A3 <SOHC>	03.96-06.99		0 986 356 776	B 776	
620	2,0	85/96/100	F-20-Z1; F-20-Z2 H; <T-Serie>	04.93-09.00		0 986 356 776	B 776	
		147	T16-Turbo	04.93-12.98		0 986 356 763	B 763	
						0 986 357 213	B 213	
623	2,3	116	H23A2	04.93-06.99		0 986 356 776	B 776	
<b>Serie 800</b>								
820	2,0	98	20H <M16i KAT.>	10.88-10.91				
		100		01.96-09.99	TW	0 986 356 806	B 806	
		100-103	20T4H	01.92-01.96	TW	0 986 356 806	B 806	
		132-147	20 T4G	01.92-12.95	CSA	0 986 357 212	B 212	
825	2,5	129	25K4F <KV 6 KAT.>	01.96-12.98		0 986 357 155	B 155	
827	2,7	124/130	C27A V6; C27A V6 <KAT.>	02.88-10.91		0 986 356 891	B 891	
<b>25</b>								
1.4	1,4	62/76	14 K4F <K-Serie K 1.4>; 14 K4M <K-Serie K 1.4>	02.00-05.05		0 986 356 731	B 731	
						0 986 357 154	B 154	
1.6	1,6	80	16 K4F <K-Serie K 1.6>	02.00-05.05		0 986 356 731	B 731	
						0 986 357 154	B 154	
1.8	1,8	86	18 K4F <K-Serie>	02.00-10.04		0 986 357 154	B 154	
			107	18 K4K-VVC <K-Serie>	02.00-10.04		0 986 357 154	B 154
						0 986 357 160	B 160	
<b>45</b>								
1.4	1,4	76	14 K4F <K-Serie K 1.4>	02.00-05.05		0 986 357 154	B 154	
1.6	1,6	80	16 K4F <K-Serie K 1.6>	02.00-05.05		0 986 357 154	B 154	
1.8	1,8	86	18 K4F <K-Serie K 1.8>	02.00-05.05		0 986 357 154	B 154	
<b>75</b>								
1.8	1,8	88/110	K 1.8T; K 1.8/18K4F	01.99-05.05		0 986 357 154	B 154	
<b>100 Metro</b>								
1.1	1,1	44	11K2D <K-Serie>	05.90-02.95		0 986 356 772	B 772	
				09.90-12.98		0 986 356 772	B 772	
1.4	1,4	55	<K-Serie>	09.90-03.98		0 986 356 772	B 772	
			55-56	14K2A <K-Serie>	05.90-10.92		0 986 356 772	B 772
			66-70	14K 4D/14K4C <K-Serie>	05.90-12.92		0 986 356 748	B 748
			76	14K4F <K-Serie>	09.90-10.95		0 986 356 748	B 748

**SAAB (SAAB AUTOMOBILE AB)**

<b>9-3</b>							
2.0	2,0	96/110/113/136/147/151	B204E; B204I; B204L; B204R; B205E; B205E <(Ecopower)>; B205L; B205R <Ecopower DOHC>; B205R <Turbo>	03.98-08.00		0 986 357 161	B 161
		110/125/165/169	B234I; B235R	03.98-08.00		0 986 357 161	B 161
<b>900</b>							
2.0	2,0	81/92-98	B 201 I Kat.; B 202 I	09.85-08.93		0 986 356 720	B 720
		92-93	B 202 I Kat.	09.85-08.92		0 986 357 161	B 161
		92-99	B 202 I Kat.	09.89-08.93		0 986 356 720	B 720
		96/98/136	B 204 I Kat.; B 204 L Kat.; B 206 I Kat.	09.93-08.98		0 986 357 161	B 161
		104-107	B 202 S Kat.	09.91-08.93		0 986 356 720	B 720
		118/129-132	B 202 L	08.84-08.93		0 986 356 720	B 720
2.3	2,3	110	B 234 I Kat.	09.93-08.98		0 986 357 161	B 161
2.5	2,5	125	B 258 I; B 258 I <KAT>; B 258 I Kat.	09.93-10.98		0 986 357 162	B 162
<b>9000</b>							
2.0	2,0	90-96/108/118-121/129-136	B 202 I; B 202 I <Kat>; B 202 L <Turbo>; B 202 L <Turbo- Katalysator>; B 202 S <Turbo- Katalysator>	12.85-08.93		0 986 357 161	B 161
2.3	2,3	107-114/143/147/165	B 234 I; B 234 I <Kat>; B 234 L <Kat>; B 234 L <Turbo- Katalysator>; B 234 R <Turbo- Katalysator>	09.89-12.98		0 986 357 161	B 161
3.0	3,0	155	B 308 I <Kat>	09.94-12.98		0 986 357 162	B 162



1 2 3 4 5 6 7 8

0 986 356 002 0 986 356 004 0 986 356 004 0 986 356 006 0 986 356 042

**Serie 600**

0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171  
 0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171

0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171

**Serie 800**

0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 042

25

45

75

**100 Metro**

0 986 356 006 0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 042  
 0 986 356 006 0 986 356 006 0 986 356 002 0 986 356 002 0 986 356 042  
 0 986 356 006 0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 042  
 0 986 356 006 0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 042  
 0 986 356 139 0 986 356 109 0 986 356 108 0 986 356 108 0 986 356 098  
 0 986 356 139 0 986 356 109 0 986 356 108 0 986 356 108 0 986 356 098

**SAAB (SAAB AUTOMOBILE AB)**

9-3

900

0 986 356 040

0 986 356 040

0 986 356 040

0 986 356 040

9000





**SANTANA**

Land Rover							
88	2,3	51	4GT		01.84-12.94	0 986 356 759	B 759
109	2,3	51	4GT		06.82-12.94	0 986 356 759	B 759
	3,4	77			05.81-12.91	0 986 356 759	B 759

**SEAT**

Alhambra							
2.0	2,0	85	ADY		03.96-02.00	0 986 356 350	B 350
			ATM		06.00-03.10	0 986 356 331	B 331

Altea							
1.6	1,6	72-75	BGU; BSE <T53>; BSF <T53>; CCSA <T53>; CHGA <T53>		03.04→	0 986 356 346	B 346

Altea XL							
1.6	1,6	72-75	BSE <T53>; BSF <T53>; CCSA <T53>; CHGA <T53>		10.06→	0 986 356 346	B 346

Arosa							
1.0	1,0	37	AER		02.97-09.99	0 986 356 343	B 343
			ALD		01.99-07.00	0 986 356 341	B 341
			ALL		10.97-05.99	0 986 356 343	B 343
			ANV		01.99-07.00	0 986 356 341	B 341
			AUC		05.00-06.04	0 986 356 312	B 312
1.4	1,4	44	AEX		02.97-11.97	0 986 356 343	B 343
			AKV		05.97-09.99	0 986 356 343	B 343
			ANW		01.99-10.00	0 986 356 341	B 341
			APQ		12.97-08.98	0 986 356 343	B 343
		74	AUD		01.99-06.04	0 986 356 312	B 312
			AFK		01.99-09.00	0 986 356 308	B 308
			AQQ; AUB		05.99-06.04	0 986 356 308	B 308

Cordoba							
1.0	1,0	37	AER		09.96-06.99	0 986 356 343	B 343
			ALD; ANV; AUC		05.99-12.02	0 986 356 312	B 312

1.4	1,4	44	ABD		09.93-12.95	0 986 356 358	B 358	
			AEX		01.96-12.97	0 986 356 343	B 343	
			AKK		05.99-12.02	0 986 356 312	B 312	
			AKV		09.97-12.02	0 986 356 343	B 343	
			ANW		05.99-08.00	0 986 356 312	B 312	
			ANX		01.98-05.98	0 986 356 343	B 343	
			APQ		12.97-12.02	0 986 356 343	B 343	
			AUD		06.00-12.02	0 986 356 312	B 312	
			55	APE		05.99-06.00	0 986 356 308	B 308
			55/74	AQQ; AUA; AUB		09.99-08.03	0 986 356 308	B 308
			74	AFH		07.96-12.02	0 986 356 309	B 309
			1.6	1,6	55	ABU		09.93-07.94
AEE		03.97-12.98				0 986 356 343	B 343	
ALM		09.97-12.02				0 986 356 343	B 343	
1F		05.94-06.99				0 986 356 338	B 338	
74	AEH					05.99-12.02	0 986 356 359	B 359
AFT		12.95-11.02						
AKL		05.99-12.02			0 986 356 359	B 359		
APF		09.99-10.00			0 986 356 359	B 359		
AUR		05.00-10.01			0 986 356 359	B 359		
					11.01-12.02			

1.8	1,8	66	ABS		09.93-07.94	0 986 356 342	B 342
			ADZ		07.94-12.02	0 986 356 339	B 339

2.0	2,0	85	AGG		04.96-12.02	0 986 356 342	B 342
			AZL; BBX		09.02-11.09	0 986 356 331	B 331
			2E		09.93-04.96	0 986 356 342	B 342

Exeo							
1.6	1,6	75	ALZ <MW6>		03.09-09.10		
1.8	1,8	110	CFMA <MW8>		12.08-05.10		





1 2 3 4 5 6 7 8

## SANTANA

### Land Rover

0986 356 017	0986 356 017	0986 356 017	0986 356 017	0986 356 040
0986 356 017	0986 356 017	0986 356 017	0986 356 017	0986 356 040
0986 356 017	0986 356 017	0986 356 017	0986 356 017	0986 356 040

## SEAT

### Alhambra

0986 357 733 0986 357 732 0986 357 731 0986 357 729

### Altea

0986 357 732 0986 357 732 0986 357 730 0986 357 729

### Altea XL

0986 357 732 0986 357 732 0986 357 730 0986 357 729

### Arosa

0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0986 357 726	0986 357 726	0986 357 725	0986 357 724	
0986 357 726	0986 357 726	0986 357 725	0986 357 724	

### Cordoba

0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 987	0356 912 987	0356 912 886	0356 912 886	0356 904 062
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0986 357 726	0986 357 726	0986 357 725	0986 357 724	
0986 357 726	0986 357 726	0986 357 725	0986 357 724	

0356 912 987	0356 912 987	0356 912 886	0356 912 886	0356 904 062
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0356 912 943	0356 912 885	0356 912 884	0356 912 883	0356 904 068
0986 357 741	0986 357 741	0986 357 740	0986 357 739	
				0356 904 068

0986 357 741	0986 357 741	0986 357 740	0986 357 739	
0986 357 741	0986 357 741	0986 357 740	0986 357 739	
0986 357 741	0986 357 741	0986 357 740	0986 357 739	
0986 357 734	0986 357 732	0986 357 731	0986 357 729	
0356 912 888	0356 912 987	0356 912 944	0356 912 944	0356 904 062
0356 912 883	0356 912 884	0356 912 885	0356 912 885	
0356 912 888	0356 912 987	0356 912 944	0356 912 944	0356 904 062
0986 357 733	0986 357 732	0986 357 731	0986 357 729	
0356 912 888	0356 912 987	0356 912 944	0356 912 944	0356 904 062

### Exeo

0986 357 741	0986 357 741	0986 357 740	0986 357 739
0986 357 741	0986 357 741	0986 357 740	0986 357 739





◀ SEAT

Ibiza									
0.9	0,9	29-32	1000 GL 7000		06.84-05.93	0 986 356 785	B 785		
1.0	1,0	33	AAU		03.93-06.96	0 986 356 338	B 338		
		37	AER		09.96-10.99	0 986 356 343	B 343		
			ALD; ANV; AUC		05.99-05.02	0 986 356 312	B 312		
1.2	1,2	44-47/51	021 A 1000; 021 C.1000		06.84-05.93	0 986 356 984	B 984		
1.3	1,3	40	AAV; 2G		03.93-07.94	0 986 356 369	B 369		
1.4	1,4	40	ANX		01.98-05.98	0 986 356 343	B 343		
		44	ABD		09.93-12.95	0 986 356 358	B 358		
			AEX		12.95-12.97	0 986 356 343	B 343		
			AKK		05.99-05.02	0 986 356 312	B 312		
			AKV		12.97-10.99	0 986 356 343	B 343		
			ANW		05.99-08.00	0 986 356 312	B 312		
			APQ		12.97-10.99	0 986 356 343	B 343		
			AUD		06.00-05.02	0 986 356 312	B 312		
		55	APE		05.99-06.00	0 986 356 308	B 308		
		55/74	AQQ; AUA; AUB		09.99-05.02	0 986 356 308	B 308		
		74	AFH		11.96-10.99	0 986 356 309	B 309		
		1.5	1,5	63	021 A 2000		06.84-05.93	0 986 356 984	B 984
				65-70	021 A 2000 <Kat.>; 021 D.2000		10.86-05.93	0 986 356 984	B 984
				74	021 A 2000		10.86-03.91	0 986 356 984	B 984
				04.91-05.93	0 986 356 357	B 357			
1.6	1,6	55	ABU		03.93-07.94	0 986 356 338	B 338		
			AEE		03.97-12.98	0 986 356 343	B 343		
			ALM		09.97-05.02	0 986 356 343	B 343		
			1F		05.94-08.99	0 986 356 343	B 343		
		74	AEH		05.99-05.02	0 986 356 359	B 359		
			AFT		12.95-10.99				
			AKL		05.99-05.02	0 986 356 359	B 359		
			APF		09.99-10.00	0 986 356 359	B 359		
			AUR		07.00-10.01	0 986 356 359	B 359		
					11.01-05.02				
		1.7	1,7	72-76	021...		01.91-05.93	0 986 356 984	B 984
1.8	1,8	66	ABS; ADZ		03.93-10.99	0 986 356 342	B 342		
2.0	2,0	85	AGG		04.96-10.99	0 986 356 342	B 342		
			AZL; BBX		07.02-11.09	0 986 356 331	B 331		
			2E		03.93-04.96	0 986 356 342	B 342		
Inca									
1.4	1,4	44	AEX; AKV; APQ		11.95-06.03	0 986 356 360	B 360		
			AUD		09.00-06.03	0 986 356 312	B 312		
		55	AUA		09.00-06.03	0 986 356 308	B 308		
1.6	1,6	55	AEE		06.97-09.00	0 986 356 360	B 360		
			1F		11.95-05.97	0 986 356 338	B 338		
Leon									
1.4	1,4	55	AHW; APE; AXP		12.99-05.02	0 986 356 308	B 308		
1.6	1,6	74	AEH; AKL		10.98-07.04	0 986 356 359	B 359		
		75	BFQ		10.05-06.06				
			BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>; CMXA <MW6>		07.05 →	0 986 356 346	B 346		
		77	AUS; AZD		06.00-04.02	0 986 356 308	B 308		
1.8	1,8	92	AGN; APG		10.98-07.04	0 986 356 337	B 337		
Malaga									
1.2	1,2	44-47/51	021 A 1000; 021 C.1000		05.85-12.93	0 986 356 984	B 984		
1.5	1,5	63-66/70-74	021 A 2000; 021 A 2000 <Kat.>; 021 B.2000		05.85-12.93	0 986 356 984	B 984		
Marbella									
0.8	0,8	25	08 NCA		01.87-10.93	0 986 356 785	B 785		
0.9	0,9	29-30	09 NCA		01.87-02.97	0 986 356 785	B 785		
		30	903 C.E.		01.95-05.98	0 986 357 193	B 193		
Terra									
0.9	0,9	29	09 NCA		01.87-12.94	0 986 356 727	B 727		
Toledo									
1.4	1,4	55	AHW; AXP		07.99-05.02	0 986 356 308	B 308		
1.6	1,6	55	ABN		01.92-07.94	0 986 356 338	B 338		
			EZ; 1F		05.91-03.99	0 986 356 338	B 338		



1	2	3	4	5	6	7	8	
								<b>Ibiza</b>
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 987	0 356 912 987	0 356 912 886	0 356 912 886					0 356 904 062
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887					0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 734	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
								<b>Inca</b>
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 062
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
								<b>Leon</b>
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
	0 986 357 727	0 986 357 727	0 986 357 727					
								<b>Malaga</b>
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
								<b>Marbella</b>
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
								<b>Terra</b>
0 986 356 130	0 986 356 131	0 986 356 135	0 986 356 132					
								<b>Toledo</b>
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068





◀ SEAT

1.6	1,6	74	AEH; AKL	04.99-05.02	0 986 356 359	B 359
		75	BGU; BSE; BSF	09.04→		
		77	AUS; AZD	06.00-04.02		
1.8	1,8	66	ABS; ADZ	11.93-03.99	0 986 356 342	B 342
			RP	05.91-11.93		
		92	AGN; APG	04.99-12.03		
2.0	2,0	85	AGG; 2E	05.91-03.99	0 986 356 342	B 342
2.3	2,3	110	AGZ	04.99-11.00	0 986 356 349	B 349

**SKODA**

**Fabia**

1.4	1,4	55/74	AUA; AUB; BBY; BBZ; BKY	09.99-12.07	0 986 356 308	B 308
2.0	2,0	85	AZL	07.00-12.07	0 986 356 331	B 331

**Favorit**

135	1,3	40/43	<OHV>; 781.135E <OHV Kat.>	09.88-09.94	0 986 356 719	B 719	
136	1,3	40	A01 <OHV Kat.>	08.92-07.93	0 986 356 719	B 719	
				07.93-09.94			
			40/50	A02			07.93-12.98
			46	<OHV>			09.88-09.94
		50	A01	07.93-09.94			

**Felicia**

1.3	1,3	40/42/43/50	135..; 135B; 136B	10.94-07.96	0 986 357 068	B 068
1.6	1,6	55	AEE	05.95-08.01	0 986 356 360	B 360

**Forman**

1.1	1,1	38	<OHC>	10.90-12.95	0 986 356 719	B 719
1.3	1,3	40	781.135E <OHC Kat.>	08.92-07.93	0 986 356 719	B 719
				07.93-12.95		
			45	<OHC>		
		50	136B <OHC Kat.>	09.93-12.95		

**Octavia**

1.4	1,4	55	AXP; BCA	08.00-12.10	0 986 356 308	B 308	
1.6	1,6	55	AEE	09.96-09.04	0 986 356 360	B 360	
			74	AEH; AKL			11.96-05.07
			75	AVU; BFQ			08.00-12.10
				BGU <MW6>; BGU <T53>; BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>			05.04→
1.8	1,8	92	AGN	09.96-06.97	0 986 356 305	B 305	
				07.97-04.99			
2.0	2,0	85	AEG; APK; AQY; AZH	06.99-05.07	0 986 356 331	B 331	

**Pick-Up**

135	1,3	40		09.91-12.97	0 986 356 719	B 719
			136B	07.93-12.97		
		42		09.91-12.97	0 986 356 719	B 719

**Superb**

2.0	2,0	85	AZM	12.01-03.08		
2.8	2,8	140/142	AMX; BBG	12.01-03.08	0 986 356 321	B 321

**SMART (MCC)**

**Fortwo**

0.7	0,7	37/45/55	160.910; 160.920	02.04-03.07	KZL,RBE	LZL,RBE
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**Smart**

0.6	0,6	33/40/45/52	160.910	07.98-01.04	KZL,RBE	LZL,RBE
0.7	0,7	37/45/55	160.920	01.03-01.04	KZL,RBE	LZL,RBE





1	2	3	4	5	6	7	8
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732			

**SKODA**

**Fabia**

0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729

**Favorit**

0 986 356 000	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	
0 986 356 000	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	

**Felicia**

0 986 356 128	0 986 356 129	0 986 356 129	0 986 356 130	0 986 356 089
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944	0 356 904 068

**Forman**

0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	

**Octavia**

0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944	0 356 904 062
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	

0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729
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**Pick-Up**

0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	
0 986 356 000	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040

**Superb**

0 986 357 733	0 986 357 733	0 986 357 731	0 986 357 729
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**SMART (MCC)**

**Fortwo**

0 356 912 965	0 356 912 965	0 356 912 965
0 356 912 967	0 356 912 967	0 356 912 967

**Smart**

0 356 912 965	0 356 912 965	0 356 912 965
0 356 912 967	0 356 912 967	0 356 912 967
0 356 912 965	0 356 912 965	0 356 912 965
0 356 912 967	0 356 912 967	0 356 912 967





## SUBARU

Forester						
2.0	2,0	90/92	EJ20J; EJ202		01.97-05.02	0 986 357 262 B 262
Impreza						
1.6	1,6	66	EJ16E; EJ16J		01.93-09.00	0 986 356 716 B 716
1.8	1,8	76	EJ18E		01.93-06.97	0 986 356 716 B 716
2.0	2,0	85/155	EJ20E; EJ20G		12.93-09.00	0 986 356 716 B 716
		92	EJ201		08.98-09.00	0 986 356 716 B 716
Justy						
1.0	1,0	37	EF10 <Kat.>		05.87-10.95	0 986 357 169 B 169
1.2	1,2	49/55	EF12; EF12 <Kat.>		05.87-10.95	0 986 357 169 B 169
Legacy						
1.6	1,6		EJ16		05.90-12.93	0 986 357 205 B 205
1.8	1,8		EJ18E		06.97-11.98	0 986 357 262 B 262
		76	EJ18A		01.89-12.93	0 986 357 205 B 205
			EJ18S		01.89-12.93	0 986 357 205 B 205
2.0	2,0	85	EJ20E		05.92-11.98	0 986 356 716 B 716
2.2	2,2	94-96	EJ22E		01.94-05.97	0 986 356 716 B 716
		100	EJ22		01.89-12.93	0 986 356 716 B 716
Libero						
1.0	1,0	37	EF10		10.83-04.93	
1.2	1,2	38	EF12; EF12 <Kat.>		10.86-04.93	
MV						
1.8	1,8	60	EA81		11.84-12.94	
Serie L						
1.8	1,8	72	EA82E <Kat.>		01.88-02.92	
Vivio						
660	0,7	32	EN07E		08.93-04.00	0 986 357 190 B 190

## SUZUKI

Alto						
1.0	1,0	39	G10B		10.94-02.02	
800	,8	29	F8B		01.86-11.93	0 986 356 710 B 710
Baleno						
1.3	1,3	62-63	G13B		04.95-09.07	0 986 357 263 B 263
1.6	1,6	72-74	G16B		04.95-04.05	0 986 357 263 B 263
					08.96-05.02	0 986 356 756 B 756
Carry						
1.3	1,3	58	G13B		03.99-03.09	0 986 357 263 B 263
Grand Vitara						
1.6	1,6	69/78	G16B; M16A		03.98→	0 986 357 263 B 263
Ignis						
1.3	1,3	61	M13A		10.00-09.03	0 986 357 263 B 263
1.5	1,5	80	M15A		12.03-12.07	0 986 357 263 B 263
Jimny						
1.3	1,3	59/60-63	G13BB; M13A		10.98→	0 986 357 263 B 263
Liana						
1.3	1,3	66	M13A		03.01-12.04	0 986 357 263 B 263
1.6	1,6	76	M16A		03.01-04.08	0 986 357 263 B 263
1.8	1,8	92	M18A		04.05-12.07	0 986 357 263 B 263
Samurai						
1.0	1,0	33	F10A		07.84-12.94	0 986 356 732 B 732
1.3	1,3	44	G13A		11.88-03.95	0 986 356 762 B 762
		47	G13A		08.88-12.04	0 986 356 762 B 762
		47/51	G13B		11.88-12.04	0 986 356 762 B 762
		50	G13A		11.88-03.95	0 986 356 762 B 762





1 2 3 4 5 6 7 8

**SUBARU**

Forester

Impreza

Justy

0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 044  
 0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 044

Legacy

Libero

0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 049  
 0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 049

MV

0 986 356 002 0 986 356 006 0 986 356 002 0 986 356 006 0 986 356 042

Serie L

0 986 356 010 0 986 356 002 0 986 356 008 0 986 356 002 0 986 356 038

Vivio

0 986 356 006 0 986 356 006 0 986 356 002 0 986 356 002 0 986 356 042

**SUZUKI**

Alto

0 986 356 008 0 986 356 008 0 986 356 006 0 986 356 004 0 986 356 040  
 0 986 356 023 0 986 356 021 0 986 356 021 0 986 356 040

Baleno

Carry

Grand Vitara

Ignis

Jimny

Liana

Samurai

0 986 356 021 0 986 356 023 0 986 356 023 0 986 356 025 0 986 356 038  
 0 986 356 040  
 0 986 356 040  
 0 986 356 040  
 0 986 356 040





◀ SUZUKI

Swift							
1.0	1,0	39	G10		10.89-04.95		0 986 356 710 B 710
					10.89-09.95		
				→ Fgst.Nr. *00140000	10.89-09.95		0 986 356 710 B 710
			G10A		03.96-12.04		
		40	G10		10.89-04.95		0 986 356 710 B 710
1.3	1,3	49/50/74	G13B		01.89-09.95		0 986 356 841 B 841
		50	G13BA		06.96-03.01	XDW	0 986 357 263 B 263
		63/67	G13BB; M13A		04.01→		0 986 357 263 B 263
1.6	1,6	68/70/71	G16A; G16B		03.89-12.95		0 986 356 756 B 756
SX4							
1.6	1,6	79/88	M16A		12.07→		0 986 357 263 B 263
Vitara							
1.6	1,6	55/59/60	G16A		09.88-03.98		0 986 356 855 B 855
		70-74	G16B		07.90-03.98		0 986 356 810 B 810
Wagon R							
1.0	1,0	48-52	K10A		09.97-05.00		0 986 357 053 B 053
1.2	1,2	51	K12A		07.98-05.00		0 986 357 053 B 053
1.3	1,3	56	G13BB		05.00-08.03		0 986 357 263 B 263
X-90							
1.6	1,6	71	G16B		09.95→		0 986 356 810 B 810

TALBOT

Express

1.8	1,8	50	XM7T		09.81-12.93		
2.0	2,0	57/72	XN1TA; XN1TACP Kat.		09.81-12.93		

TOFAS

124							
1.3	1,3	48			09.83-07.93		
131							
1.6	1,6	55			03.81-05.93		

TOYOTA

Avensis

1.6	1,6	74/81	4AFE		10.97-07.00	RLE	0 986 357 198 B 198
1.8	1,8	81	7AFE		10.97-07.00		0 986 357 198 B 198
2.0	2,0	94	3SFE		10.97-01.03		0 986 356 923 B 923

Camry

2.0	2,0	89-94	3SFE		10.86-05.91		0 986 356 949 B 949
3.0	3,0	138	3VZFE		06.91-08.96		0 986 356 926 B 926

Carina

1.6	1,6	67	4AF		12.87-01.92		0 986 356 953 B 953
		72-75	4AFE		12.87-01.92		0 986 356 953 B 953
		75/79/85	4AFE		02.92-10.97		0 986 356 928 B 928
		79	4AFE <Lean Burn>		12.92-10.97		0 986 356 928 B 928
1.8	1,8	79	7AFE		11.94-10.97		0 986 356 928 B 928
2.0	2,0	94	3SFE		12.87-01.92		0 986 356 931 B 931
		98	3SFE		02.92-10.97		0 986 356 933 B 933

Celica

1.6	1,6	77	4AFE		09.89-11.93		0 986 356 931 B 931
1.8	1,8	85	7AFE		11.93-08.99		0 986 356 928 B 928
2.0	2,0	129	3SGE		11.93-08.99		0 986 356 945 B 945

Corolla

1.3	1,3	53	2E		04.97-07.01		0 986 357 171 B 171
		53-60	2E		05.87-04.92		0 986 356 932 B 932



1	2	3	4	5	6	7	8	
								<b>Swift</b>
0 986 356 023	0 986 356 021	0 986 356 021						0 986 356 040
0 986 356 010	0 986 356 010	0 986 356 008						0 986 356 040
0 986 356 023	0 986 356 021	0 986 356 021						0 986 356 040
								0 986 356 044
0 986 356 008	0 986 356 008	0 986 356 006						
0 986 356 023	0 986 356 021	0 986 356 021						0 986 356 040
0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 059					0 986 356 044

**SX4**

								<b>Vitara</b>
								0 986 356 042

**Wagon R**

**X-90**

**TALBOT**

								<b>Express</b>
0 986 356 019	0 986 356 021	0 986 356 023	0 986 356 025					0 986 356 042
0 986 356 019	0 986 356 021	0 986 356 023	0 986 356 025					0 986 356 042

**TOFAS**

								<b>124</b>
0 986 356 017	0 986 356 019	0 986 356 019	0 986 356 021					0 986 356 042
								<b>131</b>
0 986 356 017	0 986 356 017	0 986 356 019	0 986 356 021					0 986 356 042

**TOYOTA**

**Avensis**

**Camry**

**Carina**

**Celica**

**Corolla**





◀ TOYOTA

1.3	1,3	55	2E	05.87-04.92		0 986 356 932	B 932
				05.92-04.97		0 986 357 171	B 171
		55-58	2E	08.87-04.92		0 986 356 932	B 932
		55/60	2EE	08.89-04.92		0 986 356 932	B 932
		55-65	4EFE	05.92-04.97		0 986 356 957	B 957
		63	4EFE	04.97-11.99		0 986 357 259	B 259
		65	4EFE	05.92-05.95		0 986 356 957	B 957
	1,6	79	4AFE	09.98-11.99		0 986 356 928	B 928
1.6	1,6	66/67	4AF; 4AFC	05.87-04.92		0 986 356 953	B 953
		70/76/77	4AFE	01.88-08.95		0 986 356 931	B 931
		79-81/84-85	4AFE	05.92-10.99		0 986 356 928	B 928
1.8	1,8	77-85/86	7AFE	09.92-07.01		0 986 356 928	B 928
<b>Corona</b>							
1.6	1,6	77	4AFE	01.97-10.00		0 986 356 928	B 928
<b>Hiace</b>							
2.0	2,0	74	1RZ	05.92-08.93	RLE	0 986 357 206	B 206
2.4	2,4	88	2RZE	06.92-02.05		0 986 357 206	B 206
<b>Hilux</b>							
1.8	1,8	57	2Y	01.90-08.94		0 986 356 936	B 936
2.2	2,2	69	4Y	08.88-08.94		0 986 356 936	B 936
<b>MR2</b>							
2.0	2,0	89/115/118/125	3SFE; 3SGE	12.89-08.99		0 986 357 175	B 175
<b>Paseo</b>							
1.5	1,5	69	5EFE	08.95-07.99		0 986 356 957	B 957
<b>Picnic</b>							
2.0	2,0	98	3SFE	09.96-05.01		0 986 356 923	B 923
<b>Previa</b>							
2.4	2,4	97	2TZFE	05.90-12.99		0 986 356 950	B 950
<b>RAV4</b>							
2.0	2,0	94	3SFE	11.95-08.00		0 986 356 933	B 933
		96	3SFE	11.95-08.00		0 986 356 933	B 933
		99	3SFE	11.95-08.00		0 986 356 933	B 933
<b>Starlet</b>							
1.0	1,0	40	1E	12.89-01.96		0 986 357 171	B 171
1.3	1,3	53/55-60	2E; 2EE	12.89-07.99		0 986 357 171	B 171
		55/60-62	4EFE	01.96-07.99		0 986 356 957	B 957
<b>4-Runner</b>							
3.0	3,0	105	3VZE	09.89-08.95		0 986 356 937	B 937

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<b>Astra E</b>							
1.2	1,2	40	12 S,ST <OHC>	01.89-08.91		0 986 356 723	B 723
1.3	1,3	44	C 13 N <OHC>; 13 N, NB <OHC>	09.84-08.91		0 986 356 723	B 723
1.4	1,4	44/55	C 14 NZ <OHC>; 14 NV <OHC>	01.90-08.91		0 986 357 127	B 127
1.6	1,6	55	C 16 LZ <OHC>	09.84-12.91			
			Fg.Nr. →J2508723; →J5008433	09.84-12.91			
			Fg.Nr. J2508724→Mot.Nr. 02V65825;	09.84-12.91			
			Fg.Nr. J5008434→Mot.Nr. 02V65825				
			Mot.Nr. →02V65825	09.84-12.91		0 986 356 723	B 723
			Mot.Nr. 02V65826→	09.84-12.91		0 986 357 249	B 249
			C 16 NZ <OHC>	09.84-12.91			
			Fg.Nr. →J2508723; →J5008433	09.84-12.91			
			Fg.Nr. J2508724→Mot.Nr. 02V65825;	09.84-12.91			
			Fg.Nr. J5008434→Mot.Nr. 02V65825				
			Mot.Nr. →02V65825	09.84-12.91		0 986 356 723	B 723
			Mot.Nr. 02V65826→	09.84-12.91		0 986 357 249	B 249



1 2 3 4 5 6 7 8

Corona

Hiace

Hilux

MR2

Paseo

Picnic

Previa

RAV4

Starlet

4-Runner

**VAUXHALL**

Astra E

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 061

0 986 356 230

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 218 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 218 0 986 356 084 0 986 356 085 0 986 356 061







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1.6	1,6	55	E 16 NZ <OHC>	09.87-12.91			
			Fg.Nr. →J2508723→J5008433	09.87-12.91			
			Fg.Nr. J2508724→Mot.Nr. 02V65825;	09.87-12.91			
			Fg.Nr. J5008434→Mot.Nr. 02V65825				
			Mot.Nr. →02V65825	09.87-12.91		<b>0 986 356 723 B 723</b>	
			Mot.Nr. 02V65826→	09.87-12.91		<b>0 986 357 249 B 249</b>	
		60	16 SV <OHC>				
			Mot.Nr. →02E85672	09.84-12.91		<b>0 986 356 723 B 723</b>	
			Mot.Nr. 02E85673→	09.84-12.91		<b>0 986 357 127 B 127</b>	
			Mot.Nr. 02E85673→19585415	09.84-12.91			
			Mot.Nr. 19585416→	09.84-12.91			
		66	16 S/SH <OHC>	09.84-12.91		<b>0 986 356 741 B 741</b>	
1.8	1,8	82	18 E <OHC>	09.84-08.91		<b>0 986 356 826 B 826</b>	
			82-85	18 SE <OHC>			
				Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91		
				Mot.Nr. →14258179	09.86-08.91		<b>0 986 356 722 B 722</b>
				Mot.Nr. 14258180→14275381	09.86-08.91		<b>0 986 356 801 B 801</b>
Mot.Nr. 14275382→	09.86-08.91			<b>0 986 357 127 B 127</b>			
2.0	2,0	85	C 20 NE <OHC>				
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91			
			Mot.Nr. →14180385	09.86-08.91		<b>0 986 356 722 B 722</b>	
			Mot.Nr. 14180386→14672352	09.86-08.91		<b>0 986 356 801 B 801</b>	
			Mot.Nr. 14672353→	09.86-08.91		<b>0 986 357 127 B 127</b>	
			20 NE <OHC>				
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91			
			Mot.Nr. →14180385	09.86-08.91		<b>0 986 356 722 B 722</b>	
			Mot.Nr. 14180386→14672352	09.86-08.91		<b>0 986 356 801 B 801</b>	
			Mot.Nr. 14672353→	09.86-08.91		<b>0 986 357 127 B 127</b>	
			95	20 SEH <OHC>			
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91	TW	<b>0 986 356 722 B 722</b>	
			Fg.Nr. L5362399→	09.86-08.91		<b>0 986 357 127 B 127</b>	
			110	C20 XE (XEJ) <DOHC>			
			Mot.Nr. →14028514	05.88-08.91		<b>0 986 357 139 B 139</b>	
		WW	<b>0 986 357 227 B 227</b>				
	Mot.Nr. 14028515→	05.88-08.91	<b>0 986 357 233 B 233</b>				
110-115	20 XE <DOHC>						
Mot.Nr. →14180385	05.88-08.91		<b>0 986 357 139 B 139</b>				
		WW	<b>0 986 357 227 B 227</b>				
	Mot.Nr. 14180386→	05.88-08.91	<b>0 986 357 233 B 233</b>				

**Astra F**

1.4	1,4	44	C 14 NZ <OHC>	09.90-02.98			
			Mot.Nr. →02V57973; Fg.Nr. →P2599999; →P3999999; →P4999999;	09.90-02.98		<b>0 986 356 747 B 747</b>	
			→P5999999; →P6999999; →P8999999				
			Mot.Nr. →19241623; 02V57974→02BF1476; Fg.Nr. R2000001→;	09.90-02.98		<b>0 986 357 127 B 127</b>	
			R3000001→; R4000001→; R5000001→; R6000001→; R8000001→				
			X 14 NZ <OHC>	09.97-02.98			
			Mot.Nr. →02V57973; Fg.Nr. →P2599999; →P3999999; →P4999999;	09.97-02.98		<b>0 986 356 747 B 747</b>	
			→P5999999; →P6999999; →P8999999				
			Mot.Nr. →19241623; 02V57974→02BF1476; Fg.Nr. R2000001→;	09.97-02.98		<b>0 986 357 127 B 127</b>	
			R3000001→; R4000001→; R5000001→; R6000001→; R8000001→				
			55	14 NV <OHC>	09.91-09.93		
			Mot.Nr. →02V57973; Fg.Nr. →P2599999; →P3999999; →P4999999;	09.91-09.93		<b>0 986 356 747 B 747</b>	
			→P5999999; →P6999999; →P8999999				
			Mot.Nr. →19241623; 02V57974→02BF1476; Fg.Nr. R2000001→;	09.91-09.93		<b>0 986 357 127 B 127</b>	
			R3000001→; R4000001→; R5000001→; R6000001→; R8000001→				
60	14 SE/ C 14 SE <OHC>	03.92-02.98					
Mot.Nr. →02BD1412; →19280316	03.92-02.98						
Mot.Nr. 02BD1413→; 19280317→	03.92-02.98						
		02.98-02.98	<b>0 986 357 226 B 226</b>				
	Mot.Nr. →02T14052; →19880550	03.92-02.98	<b>0 986 357 127 B 127</b>				
	Mot.Nr. 02T14053→02BD1413; 19880551→19280316	03.92-02.98	<b>0 986 357 124 B 124</b>				
66	X 14 XE <Ecotec DOHC>	04.96-02.98					



1	2	3	4	5	6	7	8
							0 986 356 061
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 230
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 025	0 986 356 025	0 986 356 023	0 986 356 021				0 986 356 042
							0 986 356 042
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
							Astra F
							0 986 356 230
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 230
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 230
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 230
0 986 356 088	0 986 356 087	0 986 356 086	0 986 356 086				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				





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1.6	1,6	52	X 16 SZ <OHC>				
			Mot.Nr. →02BE6166	07.94-02.98	0 986 357 124	B 124	
		Mot.Nr. 02BE6167→	07.94-02.98	0 986 357 226	B 226		
		55	C 16 NZ / E 16 NZ <OHC>		09.91-02.98		
	Mot.Nr. 02BE6167→		09.93-02.98	0 986 357 156	B 156		
	Mot.Nr. →02V65825		09.91-02.98	0 986 356 723	B 723		
	Mot.Nr. 02V65826→02BE6166		09.91-02.98	0 986 357 249	B 249		
	X 16 SZR <OHC>		09.95-08.97	TW	0 986 357 063	B 063	
	Mot.Nr. →02BE6166		09.95-08.97	0 986 357 124	B 124		
	Mot.Nr. 02BE6167→	09.95-08.97	0 986 357 226	B 226			
	16 LZ2,16NZ2 <OHC>	09.91-02.98					
	74	C 16 SE <OHC>		03.92-12.93	TW	0 986 357 063	B 063
		Mot.Nr. →02BD0920	03.92-02.98	0 986 357 124	B 124		
		Mot.Nr. 02BD0921→	03.92-02.98	0 986 357 226	B 226		
X 16 XEL <Ecotec DOHC>							
Mot.Nr. →20C17332		01.94-02.98	0 986 356 778	B 778			
Mot.Nr. 20C17333→		01.94-02.98	WW	0 986 357 234	B 234		
1.8	1,8	66	C 18 NZ <OHC>		09.91-02.98		
			Mot.Nr. →14349311	09.91-02.98	0 986 356 801	B 801	
			Mot.Nr. 14349312→	09.91-02.98	0 986 357 127	B 127	
		85	C 18 SEL				
	Fg.Nr. →V8999999		09.95-08.97	0 986 357 237	B 237		
	Fg.Nr. W2000000→		09.95-08.97	0 986 357 284	B 284		
	C 18 XEL <DOHC>						
	Fg.Nr. →V8999999		09.94-02.98	0 986 357 237	B 237		
	Fg.Nr. W2000000→		09.94-02.98	0 986 357 284	B 284		
	X 18 XE <DOHC>						
	Fg.Nr. →V8999999	09.95-08.97	0 986 357 237	B 237			
	Fg.Nr. W2000000→	09.95-08.97	0 986 357 284	B 284			
	92	C 18 XE <DOHC>					
		Fg.Nr. →V8999999	09.94-02.98	0 986 357 237	B 237		
Fg.Nr. W2000000→		09.94-02.98	0 986 357 284	B 284			
2.0	2,0	85	C 20 NE, 20 NE <OHC>		09.91-02.98		
			Mot.Nr. →14672353	09.91-02.98	0 986 356 801	B 801	
			Mot.Nr. 14672354→Fg.Nr. R8999999	09.91-02.98	0 986 357 127	B 127	
		100	X 20 XEV <Ecotec DOHC>				
	Fg.Nr. →V8999999		01.95-02.98	0 986 357 237	B 237		
	Fg.Nr. W2000000→	01.95-02.98	0 986 357 284	B 284			
	110	C 20 XE,XE-LN <DOHC>		09.91-02.98			
		Mot.Nr. →14002934	09.91-02.98	0 986 357 233	B 233		
		Mot.Nr. 14002935→	09.91-02.98				

**Astra G**

1.6	1,6	55	X 16 SZR <Ecotec>		09.97-08.05	0 986 357 126	B 126
			Mot.Nr. →02BE6165	09.97-08.05	0 986 357 124	B 124	
			Mot.Nr. 02BE6166→	09.97-08.05	0 986 357 126	B 126	
	62	Z 16 SE <Ecotec>		09.00-08.05	0 986 357 126	B 126	
	76	Z 16 XEP <Twinport Ecotec>		03.03-08.05			

**Belmont**

1.3	1,3	55	13 S <OHC>		09.85-09.93	0 986 356 723	B 723
1.4	1,4	44	C 14 NZ <OHC>		09.90-12.91	0 986 357 127	B 127
1.6	1,6	60	16 SV <OHC>				
			Mot.Nr. →02E85672	09.85-09.93	0 986 356 723	B 723	
			Mot.Nr. 02E85673→	09.85-09.93	0 986 357 127	B 127	
			Mot.Nr. 02E85673→19585415	09.85-09.93			
			Mot.Nr. 19585416→	09.85-09.93			
	66	16 S -SH <OHC>		09.85-09.93	0 986 356 741	B 741	
1.8	1,8	82-85	18 SE <OHC II>				
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-09.93			
			Mot.Nr. →14258179	09.86-09.93	0 986 356 722	B 722	
			Mot.Nr. 14258180→14275381	09.86-09.93	0 986 356 801	B 801	
			Mot.Nr. 14275382→	09.86-09.93	0 986 357 127	B 127	



1	2	3	4	5	6	7	8
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				0 986 356 061
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				0 986 356 090
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				Astra G
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				Belmont
							0 986 356 061
							0 986 356 230
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 230
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 025	0 986 356 025	0 986 356 023	0 986 356 021				0 986 356 042
							0 986 356 046
							0 986 356 090





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Brava							
2.3	2,3	69/72	4 ZD1; 4 ZD1-23P		09.91-09.96		
Calibra							
2.0	2,0	85	C 20 NE <DOHC II>				
			Fg.Nr. S1.....→S9.....→	03.90-03.98		0 986 357 242	B 242
			Mot.Nr. →14672352	03.90-03.98		0 986 356 801	B 801
			Mot.Nr. 14672353→Fg.Nr. R1.....; Mot.Nr. 14672353→Fg.Nr. R9.....	03.90-03.98		0 986 357 125	B 125
		100	X 20 XEV <DOHC II>				
			Mot.Nr. →14195306	09.93-07.97		0 986 357 237	B 237
			Mot.Nr. 14195307→	09.93-07.97		0 986 357 284	B 284
		110	C 20 XE,XE-LN <DOHC>				
			Fg.Nr. P1000001→	03.90-03.97		0 986 357 237	B 237
			Mot.Nr. →14180385	03.90-03.97		0 986 357 139	B 139
					WW	0 986 357 227	B 227
			Mot.Nr. 14180386→Fg.Nr. N1999999	03.90-03.97		0 986 357 233	B 233
		150	C 20 LET <DOHC>	03.92-07.97		0 986 357 233	B 233
2.5	2,5	125	C 25 XE,X 25 XE				
			Mot.Nr. →08145499	04.93-03.97		0 986 357 143	B 143
			Mot.Nr. 08145500→	04.93-03.97		0 986 357 050	B 050
Carlton							
1.8	1,8	65-66	18 SV /18NVR				
			Fg.Nr. L1204908→	09.89-10.94		0 986 357 125	B 125
			Mot.Nr. →14258179	09.86-10.94		0 986 356 800	B 800
			Mot.Nr. 14258180→Fg.Nr. L1204907	09.89-10.94		0 986 356 850	B 850
		85	18 SEH				
			Fg.Nr. L1204908→	09.89-10.94		0 986 357 125	B 125
			Mot.Nr. →14258179	09.86-10.94		0 986 356 800	B 800
			Mot.Nr. 14258180→Fg.Nr. L1204907	09.89-10.94		0 986 356 850	B 850
2.0	2,0	73-74	C 20 NEJ/NEF				
			Mot.Nr. →14180385	06.89-03.94		0 986 356 800	B 800
			Mot.Nr. 14180386→14672352	09.89-03.94		0 986 356 850	B 850
			Mot.Nr. 14672353→	09.89-03.94		0 986 357 125	B 125
		85	C 20 NE				
			Mot.Nr. →14180385	09.86-10.94		0 986 356 800	B 800
			Mot.Nr. 14180386→14672352	09.89-10.94		0 986 356 850	B 850
			Mot.Nr. 14672353→	09.89-10.94		0 986 357 125	B 125
		90	20 SE				
			Mot.Nr. →14180385	09.86-10.94		0 986 356 800	B 800
			Mot.Nr. 14180386→14312950	09.89-10.94		0 986 356 850	B 850
			Mot.Nr. 14312951→	09.89-10.94		0 986 357 125	B 125
2.4	2,4	92	C 24 NE CIH				
			Mot.Nr. →01036313	09.86-10.94			
			Mot.Nr. 01036314→	09.86-10.94		0 986 356 864	B 864
2.6	2,6	110	C 26 NE CIH	09.90-10.94		0 986 356 814	B 814
3.0	3,0	130	C 30 NE CIH				
			Fg.Nr. →K1000098	03.87-10.94			
			Fg.Nr. K1000099→Mot.Nr. 01026690	03.87-10.94			
			Mot.Nr. →01026690	03.87-10.94		0 986 357 011	B 011
			Mot.Nr. 01026691→	03.87-10.94		0 986 357 086	B 086
			30 NE CIH				
			Fg.Nr. →K1000098	03.87-10.94			
			Fg.Nr. K1000099→Mot.Nr. 01026690	03.87-10.94			
			Mot.Nr. →01026690	03.87-10.94		0 986 357 011	B 011
			Mot.Nr. 01026691→	03.87-10.94		0 986 357 086	B 086
		147-150	C 30 SE/SEJ	01.89-10.94			
Cavalier							
1.4	1,4	55	14 NV				
			Mot.Nr. →02J22349	09.88-11.95		0 986 356 796	B 796
			Mot.Nr. 02J22350→	09.88-11.95			
			Mot.Nr. →19585415	09.88-11.95	TW		
			Mot.Nr. 19585416→	09.88-11.95	TW	0 986 357 148	B 148





1 2 3 4 5 6 7 8

**Brava**

0 986 356 044

**Calibra**

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 183 0 986 356 180 0 986 356 180 0 986 356 180

0 986 356 183 0 986 356 180 0 986 356 180 0 986 356 180

**Carlton**

0 986 356 019 0 986 356 021 0 986 356 023 0 986 356 027

0 986 356 229

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 042

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 089

0 986 356 090

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 042

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 089

0 986 356 090

0 986 356 190

**Cavalier**

0 986 356 089

0 986 356 088 0 986 356 088 0 986 356 086 0 986 356 086

0 986 356 229

0 986 356 088 0 986 356 088 0 986 356 086 0 986 356 086

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237





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1.6	1,6	52	X 16 SZ <Ecotec>				
			Fg.Nr. →P1999999; →P5999999; →P7999999	09.94-11.95	<b>0 986 357 124</b>	<b>B 124</b>	
			Fg.Nr. R1000001→; R5000001→; R7500001→	09.94-11.95	<b>0 986 357 226</b>	<b>B 226</b>	
		55	C 16 LZ2		09.94-08.95		
			Fg.Nr. P1000001→; P5000001→; P7000001→	09.94-08.95	<b>0 986 357 242</b>	<b>B 242</b>	
		55-60	E16 NZ,C16 NZ		09.88-11.95		
				Fg.Nr. R1000001→; R5000001→; R7500001→	09.93-11.95	<b>0 986 357 156</b>	<b>B 156</b>
				Mot.Nr. →02V65825	09.88-11.95		
				Mot.Nr. →02V65825→; 02V65825	09.88-11.95	<b>0 986 356 723</b>	<b>B 723</b>
		60	16 SV		09.88-08.95	<b>0 986 356 723</b>	<b>B 723</b>
Mot.Nr. →02E85672	09.88-08.95			<b>0 986 356 723</b>	<b>B 723</b>		
Mot.Nr. 02E85673→	09.88-08.95			<b>0 986 357 148</b>	<b>B 148</b>		
Mot.Nr. 02E85673→02N39785	09.88-08.95						
Mot.Nr. 02N39786→	09.88-08.95						
1.8	1,8	65	E 18 NVR				
			Mot.Nr. →14180385	09.88-08.95	<b>0 986 356 722</b>	<b>B 722</b>	
			Mot.Nr. 14180386→	09.88-08.95			
			Mot.Nr. 14180386→14275381	09.88-08.95	<b>0 986 356 801</b>	<b>B 801</b>	
			Mot.Nr. 14275382→14279654	09.88-08.95	<b>0 986 357 125</b>	<b>B 125</b>	
			Mot.Nr. 14279655→	09.88-08.95	<b>0 986 357 242</b>	<b>B 242</b>	
		66	C 18 NZ		09.88-11.95		
				Mot.Nr. →14349310	09.88-11.95	<b>0 986 356 801</b>	<b>B 801</b>
				Mot.Nr. 14349311→14432540	09.88-11.95	<b>0 986 357 125</b>	<b>B 125</b>
				Mot.Nr. 14432541→	09.88-11.95	<b>0 986 357 242</b>	<b>B 242</b>
			18 SV		09.88-08.95	<b>0 986 356 722</b>	<b>B 722</b>
				Mot.Nr. →14180385	09.88-08.95	<b>0 986 356 722</b>	<b>B 722</b>
				Mot.Nr. 14180386→	09.88-08.95		
				Mot.Nr. 14180386→14275381	09.88-08.95	<b>0 986 356 801</b>	<b>B 801</b>
				Mot.Nr. 14275382→14279654	09.88-08.95	<b>0 986 357 125</b>	<b>B 125</b>
			Mot.Nr. 14279655→	09.88-08.95	<b>0 986 357 242</b>	<b>B 242</b>	
		2.0	2,0	85	20 NE		
Mot.Nr. →14180385	09.88-08.95				<b>0 986 356 722</b>	<b>B 722</b>	
Mot.Nr. 14180386→	09.88-08.95						
Mot.Nr. 14180386→14672352	09.88-08.95				<b>0 986 356 801</b>	<b>B 801</b>	
Mot.Nr. 14672353→14841581	09.88-08.95				<b>0 986 357 125</b>	<b>B 125</b>	
	Mot.Nr. 14841582→			09.88-08.95	<b>0 986 357 242</b>	<b>B 242</b>	
86	C 20 NE				09.88-11.95	<b>0 986 356 722</b>	<b>B 722</b>
				Mot.Nr. →14180385	09.88-11.95	<b>0 986 356 722</b>	<b>B 722</b>
				Mot.Nr. 14180386→	09.88-11.95		
				Mot.Nr. 14180386→14672352	09.88-11.95	<b>0 986 356 801</b>	<b>B 801</b>
				Mot.Nr. 14672353→14841581	09.88-11.95	<b>0 986 357 125</b>	<b>B 125</b>
	Mot.Nr. 14841582→			09.88-11.95	<b>0 986 357 242</b>	<b>B 242</b>	
95	20 SEH				09.88-08.95		
				Mot.Nr. →14180385	09.88-08.95		
				Mot.Nr. 14180386→	09.88-08.95		
				Mot.Nr. 14180386→14672352	09.88-08.95	<b>0 986 356 801</b>	<b>B 801</b>
	Mot.Nr. 14672353→			09.88-08.95	<b>0 986 357 125</b>	<b>B 125</b>	
100	X 20 XEV				09.93-11.95	<b>0 986 357 237</b>	<b>B 237</b>
110	C 20 XE (XEJ-LN)				09.88-11.95	<b>0 986 357 237</b>	<b>B 237</b>
				Fg.Nr. P1000001→; P5000001→; P7500001→	09.88-11.95	<b>0 986 357 139</b>	<b>B 139</b>
		Mot.Nr. →14028514	09.88-11.95	<b>0 986 357 227</b>	<b>B 227</b>		
				WW	<b>0 986 357 233</b>	<b>B 233</b>	
		Mot.Nr. 14028515→Fg.Nr. NV999999;	09.88-11.95	<b>0 986 357 233</b>	<b>B 233</b>		
		Mot.Nr. 14028515→Fg.Nr. N1999999;					
		Mot.Nr. 14028515→Fg.Nr. N5999999					
150	C 20 LET <Turbo>		09.88-11.95	<b>0 986 357 237</b>	<b>B 237</b>		
		Fg.Nr. P1000001→; P5000001→; P7500001→	09.88-11.95	<b>0 986 357 139</b>	<b>B 139</b>		
		Mot.Nr. →14180385	09.88-11.95	<b>0 986 357 227</b>	<b>B 227</b>		
				WW	<b>0 986 357 233</b>	<b>B 233</b>	
		Mot.Nr. 14180386→Fg.Nr. NV999999;	09.88-11.95	<b>0 986 357 233</b>	<b>B 233</b>		
	Mot.Nr. 14180386→Fg.Nr. N1999999;						
	Mot.Nr. 14180386→Fg.Nr. N5999999						







1	2	3	4	5	6	7	8
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				0 986 356 229
							0 986 356 061
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 046
							0 986 356 229
							0 986 356 229
							0 986 356 046
							0 986 356 229
							0 986 356 046
							0 986 356 229
							0 986 356 046
							0 986 356 229
							0 986 356 046
							0 986 356 229
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				





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2.5	2,5	125	C 25 XE	02.93-11.95		0 986 357 143	B 143
<b>Combo</b>							
1.2	1,2	33	C 12 NZ	09.94-10.01			
			Mot.Nr. →19334656	09.94-10.01		0 986 357 148	B 148
			Mot.Nr. 19334657→	09.94-10.01		0 986 357 247	B 247
			X 12 SZ <Ecotec>				
			Mot.Nr. 02HY3580→	09.94-10.01		0 986 357 126	B 126
			Mot.Nr. →19330000	09.94-10.01		0 986 357 124	B 124
			Mot.Nr. 19330001→	09.94-10.01		0 986 357 226	B 226
			Mot.Nr. 19330001→02HY3579	09.94-10.01			
			12 NZ	06.00-10.01			
			Mot.Nr. →19334656	06.00-10.01		0 986 357 148	B 148
			Mot.Nr. 19334657→	06.00-10.01		0 986 357 247	B 247
1.4	1,4	44	C 14 NZ	09.94-10.01	KL		
			Mot.Nr. →02BF1475; →19241622	09.94-10.01		0 986 357 148	B 148
			Mot.Nr. 02BF1476→; 19241623→	09.94-10.01	KL,WW	0 986 357 247	B 247
					KL	0 986 356 746	B 746
			X 14 SZ <Ecotec>				
			Mot.Nr. →02HY3579; →19747137	04.96-10.01		0 986 357 226	B 226
			Mot.Nr. 02HY3580→	04.96-10.01		0 986 357 126	B 126
		60	C 14 SE				
			Mot.Nr. →02BD1412; →19262000	09.94-10.01		0 986 357 124	B 124
			Mot.Nr. 02BD1413→02HY3579; 19262001→	09.94-10.01		0 986 357 226	B 226
			Mot.Nr. 02HY3580→	09.94-10.01		0 986 357 126	B 126
		66	C 14 SEL				
			Mot.Nr. →20C17331	08.99-10.01		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.Nr. 20C17332→	08.99-10.01			
1.6	1,6	64	Z 16 SE	10.01-08.04		0 986 357 126	B 126
		71	Y 16 YNG <Ecotec-Gas CNG>	04.05-05.06			
<b>Corsa</b>							
1.2	1,2	33	C 12 NZ	09.94-08.00			
			Mot.Nr. →19334656	09.94-08.00		0 986 357 148	B 148
			Mot.Nr. 19334657→	09.94-08.00		0 986 357 247	B 247
			X 12 SZ <Ecotec>				
			Mot.Nr. 02HY3580→	09.94-08.00		0 986 357 126	B 126
			Mot.Nr. →19330000	09.94-08.00		0 986 357 124	B 124
			Mot.Nr. 19330001→	09.94-08.00		0 986 357 226	B 226
			Mot.Nr. 19330001→02HY3579	09.94-08.00			
			12 NZ	09.94-08.00			
			Mot.Nr. →19334656	09.94-08.00		0 986 357 148	B 148
			Mot.Nr. 19334657→	09.94-08.00		0 986 357 247	B 247
1.4	1,4	44	C 14 NZ	09.94-08.00	KL		
			Mot.Nr. →02BF1475; →19241622	09.94-08.00		0 986 357 148	B 148
			Mot.Nr. 02BF1476→; 19241623→	09.94-08.00	KL,WW	0 986 357 247	B 247
					KL	0 986 356 746	B 746
			X 14 SZ <Ecotec>				
			Mot.Nr. →02HY3579; →19747137	09.96-08.98		0 986 357 226	B 226
			Mot.Nr. 02HY3580→	09.96-08.98		0 986 357 126	B 126
		60	C 14 SE				
			Mot.Nr. 02BD1413→02HY3579; 19262001→	09.94-08.00		0 986 357 226	B 226
			Mot.Nr. 02HY3580→	09.94-08.00		0 986 357 126	B 126
		63	C 14 SEL				
			Mot.Nr. →20C17331	03.98-08.00		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.Nr. 20C17332→	03.98-08.00			
		66	X 14 XE <Ecotec>				
			Mot.Nr. →20C17331	09.94-08.99		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.Nr. 20C17332→	09.94-08.99			





1 2 3 4 5 6 7 8

**Combo**

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 250 0 986 356 247 0 986 356 246

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

**Corsa**

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180





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1.6	1,6	62	Z 16 SE <Ecotec>	09.01-08.03		<b>0 986 357 126</b>	<b>B 126</b>
		74	C 16 SEL Mot.Nr. →20C17331	06.98-08.00		<b>0 986 356 778</b>	<b>B 778</b>
			Mot.Nr. 20C17332→	06.98-08.00	WW	<b>0 986 357 234</b>	<b>B 234</b>
		78	X 16 XE <Ecotec> Mot.Nr. →20C17331	09.94-08.99		<b>0 986 356 778</b>	<b>B 778</b>
			Mot.Nr. 20C17332→	09.94-08.99	WW	<b>0 986 357 234</b>	<b>B 234</b>
		80	C 16 XE Mot.Nr. →20C17331	09.94-08.00		<b>0 986 356 778</b>	<b>B 778</b>
			Mot.Nr. 20C17332→	09.94-08.00	WW	<b>0 986 357 234</b>	<b>B 234</b>

**Euromidi**

2.0	2,0	74	20 S <OHC (NEF)>	09.88-08.96			
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**Frontera**

2.0	2,0	85	C 20 NE				
			Mot.Nr. →14672353	01.92-08.95		<b>0 986 356 850</b>	<b>B 850</b>
			Mot.Nr. 14672354→	01.92-08.95		<b>0 986 357 125</b>	<b>B 125</b>
			X 20 SE <Ecotec>	02.95-08.98		<b>0 986 357 228</b>	<b>B 228</b>
2.2	2,2	100	X 22 XE <Ecotec>	02.95-08.98		<b>0 986 357 228</b>	<b>B 228</b>
2.4	2,4	92	C 24 NE CIH	01.92-08.95		<b>0 986 356 864</b>	<b>B 864</b>

**Meriva**

1.6	1,6	64	Z 16 SE <Ecotec>	03.03-09.05			
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**Monterey**

3.2	3,2	130	6VDI	06.92-08.98		<b>0 986 357 167</b>	<b>B 167</b>
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**Nova**

1.0	1,0	33	10 S OHV	05.83-08.94		<b>0 986 356 862</b>	<b>B 862</b>
1.2	1,2	33	C 12 NZ <OHC>	09.90-08.94		<b>0 986 357 148</b>	<b>B 148</b>
			Fg.Nr. M4000001→Mot.Nr. 19B38643	09.90-08.91			
			Mot.Nr. 19B38644→	09.90-08.94			
			12 NC OHV	05.83-08.94		<b>0 986 356 862</b>	<b>B 862</b>
			Mot.Nr. →0106700	05.83-08.94			
		33/40-43	12 NV <OHC I>; 12 S <OHC>; 12 ST	05.83-08.94		<b>0 986 356 886</b>	<b>B 886</b>

1.3	1,3	44/51	C 13 N <OHC>; 13 S <OHC>; 13 SB <OHC>	05.83-08.94		<b>0 986 356 886</b>	<b>B 886</b>
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1.4	1,4	44	C 14 NZ <OHC I>	01.90-08.94		<b>0 986 357 148</b>	<b>B 148</b>	
			Mot.Nr. 02N40263→	01.90-08.94				
			55	14 NV <OHC>	01.90-08.94		<b>0 986 357 148</b>	<b>B 148</b>
				Mot.Nr. 19585416→	01.90-08.94			
		60	C 14 SE <OHC I>	09.91-08.94		<b>0 986 357 063</b>	<b>B 063</b>	
			Mot.Nr. →02T14052	09.91-08.94		<b>0 986 357 148</b>	<b>B 148</b>	
			Mot.Nr. 02T14053→	09.91-08.94		<b>0 986 357 124</b>	<b>B 124</b>	
			Mot.Nr. →19585415	09.91-08.94	TW			
			Mot.Nr. 19585416→	09.91-08.94	TW			

1.6	1,6	55	C 16 NZ <OHC>	09.90-08.94			
		74	C 16 SE <OHC>	05.88-08.94			
			Mot.Nr. →02V57973	05.88-08.94		<b>0 986 356 746</b>	<b>B 746</b>
			Mot.Nr. 02V57974→	05.88-08.94		<b>0 986 357 148</b>	<b>B 148</b>
			E 16 SE <OHC>				
			Fg.Nr. K4000001→	05.88-03.93			
			Mot.Nr. 02E88110→	05.88-03.93			

**Omega**

2.0	2,0	85	X 20 SE <Ecotec>				
			Mot.Nr. →14367064	04.94-12.00		<b>0 986 357 126</b>	<b>B 126</b>
			20 SE				
			Mot.Nr. →14367064	04.94-12.00		<b>0 986 357 126</b>	<b>B 126</b>
		100	X 20 XEV <Ecotec>	09.93-08.99	TW	<b>0 986 357 237</b>	<b>B 237</b>
2.5	2,5	125	X 25 XE <Ecotec>				
			Mot.Nr. →08145499	04.94-09.04		<b>0 986 357 055</b>	<b>B 055</b>
			Mot.Nr. 08145500→	04.94-09.04		<b>0 986 357 050</b>	<b>B 050</b>
3.0	3,0	155	X 30 XE <Ecotec>				
			Mot.Nr. →08145499	04.94-02.01		<b>0 986 357 055</b>	<b>B 055</b>
			Mot.Nr. 08145500→	04.94-02.01		<b>0 986 357 050</b>	<b>B 050</b>



1	2	3	4	5	6	7	8
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
							<b>Euromidi</b>
							0 986 356 044
							<b>Frontera</b>
							<b>Meriva</b>
0 986 356 252	0 986 356 252	0 986 356 251	0 986 356 251				
							<b>Monterey</b>
							<b>Nova</b>
0 986 356 023	0 986 356 023	0 986 356 021	0 986 356 021				0 986 356 049
							0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 087					
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 049
0 986 356 023	0 986 356 023	0 986 356 021	0 986 356 021				
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 088	0 986 356 088	0 986 356 087	0 986 356 086				
0 986 356 088	0 986 356 086	0 986 356 086	0 986 356 086				
0 986 356 063	0 986 356 062	0 986 356 061	0 986 356 061				
							0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 087	0 986 356 086				
							0 986 356 089
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
							<b>Omega</b>
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				





◀ VAUXHALL

Senator							
2.6	2,6	110	C 26 NE CIH	09.90-08.93		0 986 356 814	B 814
3.0	3,0	115	C 30 LE CIH				
			Fg.Nr. →K1000098	09.87-08.93			
			Fg.Nr. →K1000098; K1000099→Mot.Nr. 01018097	09.87-08.93			
			Fg.Nr. K1000099→Mot.Nr. 01018097	09.87-08.93			
			Mot.Nr. →01018097	09.87-08.93		0 986 357 011	B 011
			Mot.Nr. 01018098→	09.87-08.93		0 986 357 086	B 086
		130	C 30 NE CIH				
			Fg.Nr. K1000099→Mot.Nr. 01026690	01.88-08.93		0 986 357 011	B 011
			Mot.Nr. 01026691→	01.88-08.93		0 986 357 086	B 086
		150	C 30 SE <DOHC>	09.89-08.93			
Sintra							
2.2	2,2	104	X 22 XE <Ecotec>	09.96-09.99		0 986 357 237	B 237
3.0	3,0	148	X 30 XE <Ecotec>				
			Mot.Nr. →08145499	09.96-09.99		0 986 357 055	B 055
			Mot.Nr. 08145500→	09.96-09.99		0 986 357 050	B 050
Tigra							
1.4	1,4	66	X 14 XE <Ecotec>				
			Mot.Nr. →20C17331	09.94-08.99		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.Nr. 20C17332→	09.94-08.99			
1.6	1,6	78	X 16 XE <Ecotec>				
			Mot.Nr. →20C17331	09.94-08.99		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.Nr. 20C17332→	09.94-08.99			
Vectra							
1.6	1,6	55	X 16 SZR <Ecotec>				
			Mot.Nr. →02HP7704	09.96-08.00		0 986 357 226	B 226
			Mot.Nr. 02HP7705→	09.96-08.00		0 986 357 126	B 126
			16 LZ2	09.95-08.00		0 986 357 242	B 242
		74	X 16 XEL <Ecotec>	09.95-08.00		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Fg.Nr. →W1285446; →W5276825; →W7154258	09.95-08.00			
1.8	1,8	85	X 18 XE <Ecotec>	09.95-08.99	TW	0 986 357 237	B 237
2.0	2,0	82	20 NEJ				
			Mot.Nr. →14885919	09.95-08.01		0 986 357 126	B 126
		100	C 20 SEL; X 20 XEV <Ecotec>	09.95-09.02	TW	0 986 357 237	B 237
2.2	2,2	106	C 22 SEL	10.99-08.01		0 986 357 237	B 237
2.5	2,5	125-143	X 25 XE <Ecotec>	09.95-09.00		0 986 357 162	B 162

**VOLGA**

**3102/3105/3110**

2.0	2,0	100	20T4	01.86→			
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**VOLVO**

**C70**

2.0	2,0	132/166	B 5204 T3; B5204T2	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.3	2,3	176	B5234T3	09.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.5	2,4	142	B5254T	01.98-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753

**S40 I**

1.6	1,6	77/80	B4164S; B4164S2	01.97-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
1.8	1,8	85/90/92	B4184S; B4184SM; B4184S2; B4184S3; B4184S9; B4184S10	09.95-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238



1 2 3 4 5 6 7 8

### Senator

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029 0 986 356 042

0 986 356 089

0 986 356 090

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029 0 986 356 089

0 986 356 090

0 986 356 190

### Sintra

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

### Tigra

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

### Vectra

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 229

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

## VOLGA

3102/3105/3110

0 986 356 008 0 986 356 006 0 986 356 006 0 986 356 004

## VOLVO

### C70

0 986 356 128 0 986 356 130 0 986 356 130 0 986 356 135 0 986 356 135 0 986 356 190

0 986 356 128 0 986 356 130 0 986 356 130 0 986 356 135 0 986 356 135 0 986 356 190

0 986 356 128 0 986 356 130 0 986 356 130 0 986 356 135 0 986 356 135 0 986 356 190

### S40 I

0 986 356 056 0 986 356 055 0 986 356 055 0 986 356 055

0 986 356 056 0 986 356 055 0 986 356 055 0 986 356 055







◀ VOLVO

1.9	1,9	147	B4194T	05.97-07.99		0 986 356 817	B 817
					WW	0 986 357 238	B W238
2.0	1,9	118/120/121/147	B4204T2; B4204T3; B4204T5	08.99-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
	2,0	100/103/118	B4204S; B4204S2; B4204T	09.95-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
<b>S70</b>							
R.2.3	2,3	184	B5234T4	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.0	2,0	93/105	B 5204 S; B5202 S	01.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		132/155	B5204T; B5204T2	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.3	2,3	160/176	B5234T2; B5234T3	01.97-07.98		0 986 357 232	B W232
				01.97-08.98	WW	0 986 356 753	B 753
2.5	2,4	106	B5252S	01.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
			GB5252S	08.98-07.99		0 986 357 054	B W054
		121	B5254S	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
		142	B5254T	01.97-07.98		0 986 357 232	B W232
				01.97-08.98	WW	0 986 356 753	B 753
<b>S80 I</b>							
2.0	2,0	166	B5204T3	08.98-07.00		0 986 357 232	B W232
					WW	0 986 356 753	B 753
<b>V40 I</b>							
1.6	1,6	77/80	B4164S; B4164S2	01.97-04.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
1.8	1,8	85/90	B4184S; B4184S2; B4184S3; B4184S9; B4184S10	01.95-06.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
1.9	1,9	147	B4194T	05.97-07.99		0 986 356 817	B 817
					WW	0 986 357 238	B W238
2.0	1,9	120	B4204T3	08.01-04.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
	2,0	100/103/118/121/147	B4204S; B4204S2; B4204T; B4204T3; B4204T5	01.96-04.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
<b>V70 I</b>							
2.0	2,0	93	B5202FS	01.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		105/132/155/166	B5204S; B5204T; B5204T2; B5204T3	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.3	2,3	160/176/184	B5234T2; B5234T3; B5234T4; B5234T6	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.5	2,4	103	GB5252S	08.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		106	B5252S	01.97-03.00		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		121	B5254S	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
		142	B5254T	01.97-07.98		0 986 357 232	B W232
				01.97-08.98	WW	0 986 356 753	B 753
<b>240</b>							
2.0	2,0	82-86	B200E; B200F Kat.	08.84-07.92			
					WW	0 986 357 244	B W244
					ZMB	0 986 356 773	B 773
					ZMS	0 986 356 866	B 866
2.3	2,3	84/95-96/100	B230E; B230F; B230F Kat.	08.84-07.93			
					WW	0 986 357 244	B W244
					ZMB	0 986 356 773	B 773
					ZMS	0 986 356 866	B 866
<b>340</b>							
1.3	1,3	49	B13	08.79-07.91			
					ZMS	0 986 356 798	B 798





1	2	3	4	5	6	7	8
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
							<b>S70</b>
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
							<b>S80 I</b>
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
							<b>V40 I</b>
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
							<b>V70 I</b>
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
							<b>240</b>
0 986 356 025	0 986 356 025	0 986 356 025	0 986 356 027				
							0 986 356 044
							0 986 356 035
0 986 356 025	0 986 356 025	0 986 356 025	0 986 356 027				
							0 986 356 044
							0 986 356 035
							<b>340</b>
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 035





◀ VOLVO

1.4	1,4	47-53	B14	08.79-07.91	ZMS	0 986 356 798	B 798
1.7	1,7	61	B172K	07.85-10.91		0 986 356 744	B 744
<b>440</b>							
1.6	1,6	61	B16F Kat.	09.88-12.91		0 986 357 254	B W254
				01.92-07.97		0 986 356 852	B 852
1.7	1,7	58-64	B18K; B18KP	09.88-07.93		0 986 357 254	B W254
		70-75/78-80	B18EP; B18F Kat.; B18FP Kat.	09.88-07.94		0 986 356 852	B 852
1.8	1,7	88	B18FT Kat.	09.88-07.96		0 986 356 885	B 885
	1,8	66	B18U Kat.	09.91-07.97		0 986 356 852	B 852
2.0	2,0	80	B20F Kat.	09.92-12.96		0 986 356 852	B 852
<b>460</b>							
1.6	1,6	61	B16F Kat.	03.90-07.97		0 986 356 852	B 852
1.7	1,7	66	B18KP	03.90-07.97		0 986 357 254	B W254
		75/78	B18EP; B18FP Kat.	03.90-07.97		0 986 356 852	B 852
		88	B18FT Kat.	03.90-07.96		0 986 356 885	B 885
1.8	1,8	66	B18U Kat.	09.91-07.97		0 986 356 852	B 852
2.0	2,0	80	B20F Kat.	09.92-12.96		0 986 356 852	B 852
<b>480</b>							
1.7	1,7	75	B18FP Kat.	08.89-12.93		0 986 356 852	B 852
		88-90	B18FT Kat.	09.88-07.95		0 986 356 885	B 885
2.0	2,0	81	B20F Kat.	09.92-12.96		0 986 356 852	B 852
<b>740</b>							
2.0	2,0	82/88/114	B200E; B200F Kat.; B200FT Kat.	08.84-07.93		0 986 356 847	B 847
					WW	0 986 357 244	B W244
2.3	2,3	83-87/94/96/114-121	B230E; B230F Kat.; B230FT Kat.; B230G; B234G	08.84-07.95		0 986 356 847	B 847
					WW	0 986 357 244	B W244
<b>760</b>							
2.3	2,3	114-119	B230FT Kat.	08.84-07.92		0 986 356 847	B 847
					WW	0 986 357 244	B W244
2.8	2,8	105/108-125	B280E; B280F Kat.	05.86-07.91		0 986 357 220	B 220
					ZVD	0 986 356 804	B 804
<b>780</b>							
2.3	2,3	165-190	B230FT	08.88-07.91	WW	0 986 357 244	B W244
2.8	2,8	108-125	B280E; B280F Kat.	05.86-07.91	ZVD	0 986 357 220	B 220
					ZVM	0 986 356 804	B 804
<b>850</b>							
R	2,3	166-184	B5234T5	08.95-07.97		0 986 357 232	B W232
T-5	2,0	155	B5204FT Kat.	01.94-07.96		0 986 357 232	B W232
	2,3	160/166	B5234FT Kat.; B5234T Kat.	09.93-07.97		0 986 357 232	B W232
T-5R	2,3	177	B5234T Kat.	09.94-07.97		0 986 357 232	B W232
2.0	2,0	93	B5202S Kat.	09.94-12.96		0 986 357 054	B W054
		105/129-132/155	B5204S Kat.; B5204T Kat.; B5204T2 Kat.	09.91-07.97		0 986 357 232	B W232
2.3	2,3	120	B5234S Kat.	09.93-07.96		0 986 357 232	B W232
				09.97-07.98		0 986 357 232	B W232
2.5	2,4	103-106	B5252S Kat.	09.92-07.97		0 986 357 054	B W054
		125/140-142	B5254S Kat.; B5254T Kat.	09.91-07.97		0 986 357 232	B W232
<b>940</b>							
2.0	2,0	80-89/114	B200F Kat.; B200FT Kat.; B200G; B200GT .	09.91-09.98		0 986 356 847	B 847
					WW	0 986 357 244	B W244
		88-90	B200E	09.90-07.91		0 986 356 847	B 847
					WW	0 986 357 244	B W244
		100-103	B204E	09.90-07.91			
2.3	2,3	84/96-99/113-151	B230F Kat.; B230FD Kat.; B230FK Kat.; B230FT Kat.; B230FT4	09.90-10.98		0 986 356 847	B 847
					WW	0 986 357 244	B W244
		114	B234F Kat.	09.90-07.92			
<b>960</b>							
2.0	2,0	103	B204E	09.91-07.94		0 986 356 847	B 847
					WW	0 986 357 244	B W244
		140	B204FT Kat.	09.91-07.94			
2.3	2,3	121	B230FT Kat.	03.93-07.93		0 986 356 847	B 847
					WW	0 986 357 244	B W244



1	2	3	4	5	6	7	8
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 035
0 986 356 055	0 986 356 056	0 986 356 056	0 986 356 057				
							440
							460
							480
							740
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
							760
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
							780
							850
							940
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
							960
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 129				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192



V



◀ VOLVO

2.8	2,8	110/125	B280E; B280F Kat.	09.90-07.91	ZVD	0 986 357 220	B 220
					ZVM	0 986 356 804	B 804

**VW (VOLKSWAGEN)**

**Bora**

1.4	1,4	55	AHW; AKQ; APE; AXP	09.98-05.05		0 986 356 308	B 308
1.6	1,6	74	AEH; AKL; APF	09.98-05.05		0 986 356 359	B 359
		75	AVU	09.00-05.05		0 986 356 346	B 346
			BFQ	05.02-05.03		0 986 356 346	B 346
		77	ATN; AUS	08.99-10.00		0 986 356 308	B 308
			AZD	09.00-11.01		0 986 356 308	B 308
1.8	1,8	92	AGN	09.98-10.00		0 986 356 337	B 337
2.0	2,0	85	APK; AQY; AZH	09.98-05.05		0 986 356 359	B 359
			AZJ	05.01-05.05		0 986 356 345	B 345
2.3	2,3	110	AGZ	09.98-02.01		0 986 356 349	B 349
2.8	2,8	150	AQP; AUE	05.99-04.01		0 986 356 348	B 348

**Bora Variant**

1.4	1,4	55	AHW; AXP	05.00-05.05		0 986 356 308	B 308
1.6	1,6	74	AEH; AKL; APF	05.99-05.05		0 986 356 359	B 359
		75	AVU	09.00-05.05		0 986 356 346	B 346
			BFQ	05.02-05.03		0 986 356 346	B 346
		77	ATN; AUS	08.99-10.00		0 986 356 308	B 308
			AZD	09.00-11.01		0 986 356 308	B 308
1.8	1,8	92	AGN	05.99-10.00		0 986 356 337	B 337
2.0	2,0	85	APK; AQY; AZH	05.99-05.05		0 986 356 359	B 359
			AZJ	05.01-05.05		0 986 356 345	B 345
2.3	2,3	110	AGZ	05.99-02.01		0 986 356 349	B 349
2.8	2,8	150	AQP; AUE	05.99-04.01		0 986 356 348	B 348

**Caddy**

1.4	1,4	44	AEX; AKV; APQ	11.95-06.03		0 986 356 360	B 360	
			AUD	09.00-06.03		0 986 356 312	B 312	
			AUA	09.00-06.03		0 986 356 308	B 308	
1.6	1,6	55	AEE	06.96-12.00		0 986 356 360	B 360	
			EW	08.84-07.92		0 986 356 338	B 338	
			1F	11.95-05.97		0 986 356 338	B 338	
			72-75	CHGA <DF2>	05.11→		0 986 356 346	B 346
			75	BGU; BSE <MW6>	04.04-08.10		0 986 356 346	B 346
			BSF <MW6>	06.05-08.10		0 986 356 346	B 346	
				10.10→		0 986 356 346	B 346	
1.8	1,8	70	JH	08.85-07.92		0 986 356 338	B 338	
2.0	2,0	80	BSX <D7R>	04.06-08.10		0 986 356 345	B 345	
				10.10→		0 986 356 345	B 345	

**Corrado**

1.8	1,8	118	PG	09.88-09.93		0 986 356 338	B 338
2.9	2,9	140	ABV	08.91-07.95		0 986 356 301	B 301

**Golf I**

1.6	1,6	51-55	EW, EWA	03.84-12.92		0 986 356 338	B 338
1.8	1,8	66/70/72/82	DX; EX; JH; 2H	08.84-08.93		0 986 356 338	B 338

**Golf II**

1.0	1,0	37	HZ	10.85-10.91		0 986 356 342	B 342
1.3	1,3	40	2G	01.89-07.92		0 986 356 342	B 342
1.6	1,6	51-53	EZ, EZA; PN; RF	08.84-07.92		0 986 356 338	B 338
1.8	1,8	66	GU	08.84-10.91		0 986 356 338	B 338
		66-72	1P	08.88-07.91		0 986 356 342	B 342
		66/77	RP; RV	08.87-11.92		0 986 356 338	B 338
		79/82	PB; PF	01.87-08.92		0 986 356 338	B 338
		95	PL	02.86-10.91		0 986 356 300	B 300
		102	KR	02.86-10.91		0 986 356 300	B 300
118	PG	01.90-07.91		0 986 356 342	B 342		



1 2 3 4 5 6 7 8

**VW (VOLKSWAGEN)**

**Bora**

0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729	
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729	
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732

**Bora Variant**

0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729	
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729	
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732

**Caddy**

0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944	0 356 904 068
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729	
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729	

**Corrado**

0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715 0 986 357 714

**Golf I**

0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068

**Golf II**

0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944	0 356 904 062
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944	0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944	0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
				0 356 912 993
				0 356 912 993
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944	0 356 904 062





◀ VW

Golf III									
1.4	1,4	40-44	ABD	11.91-07.95	0 986 356 358	B 358			
		44	AEX; APQ	07.95-02.99	0 986 356 360	B 360			
1.6	1,6	55	ABU; AEA	09.92-12.97	0 986 356 343	B 343			
			AEE	07.95-12.97	0 986 356 360	B 360			
1.8	1,8	55/66	AAM; ABS	11.91-02.99	0 986 356 342	B 342			
		66	ADZ	10.94-02.99	0 986 356 339	B 339			
2.0	2,0	85	ADY; AGG	10.94-02.99	0 986 356 339	B 339			
			AKR	04.97-04.98	0 986 356 339	B 339			
				05.97-02.99					
			2E	11.91-09.94	0 986 356 342	B 342			
2.8	2,8	120	AAA	07.94-12.97	0 986 356 301	B 301			
		128	AAA	01.92-12.97	0 986 356 384	B 384			
2.9	2,9	140	ABV	01.94-12.97	0 986 356 301	B 301			
Golf IV									
1.4	1,4	55	AHW; AKQ; APE; AXP	10.97-05.04	0 986 356 308	B 308			
1.6	1,6	74	AEH	10.97-12.05	0 986 356 359	B 359			
			AKL	10.97-12.05	0 986 356 359	B 359			
			APF	05.99-08.00	0 986 356 359	B 359			
		75	AVU	09.00-05.04	0 986 356 346	B 346			
			BFQ	05.02-05.04	0 986 356 346	B 346			
			77	ATN; AUS	11.99-10.00	0 986 356 308	B 308		
				AZD	09.00-11.01	0 986 356 308	B 308		
		1.8	1,8	55	AAM	04.98-10.00	0 986 356 342	B 342	
					ANN	04.98-10.00	0 986 356 342	B 342	
				66	ADZ	04.98-10.00	0 986 356 339	B 339	
ANP	04.98-10.00				0 986 356 339	B 339			
2.0	2,0	85	AGG; AKR	04.98-12.01	0 986 356 339	B 339			
			APK; AQY	08.98-04.01	0 986 356 359	B 359			
				05.01-05.04	0 986 356 331	B 331			
			ATU; AWF; AWG	06.99-06.02					
		AZG	05.01-04.02	0 986 356 345	B 345				
		AZH	04.00-04.01	0 986 356 359	B 359				
			05.01-06.01	0 986 356 331	B 331				
		AZJ; BEH	05.01-06.05	0 986 356 345	B 345				
		2.3	2,3	110	AGZ	10.97-02.01	0 986 356 318	B 318	
		2.8	2,8	150	AQP; AUE	05.99-04.01	0 986 356 348	B 348	
Golf IV Variant									
1.4	1,4	55	AHW; AKQ; APE; AXP	05.99-06.06	0 986 356 308	B 308			
1.6	1,6	74	AEH; AKL; APF	05.99-06.06	0 986 356 359	B 359			
			AVU	09.00-06.06	0 986 356 346	B 346			
			BFQ	05.02-06.06	0 986 356 346	B 346			
		77	ATN; AUS	05.99-10.00	0 986 356 308	B 308			
			AZD	09.00-11.01	0 986 356 308	B 308			
1.8	1,8	92	AGN	05.99-07.00	0 986 356 337	B 337			
2.0	2,0	85	APK; AQY; AZH	05.99-04.01	0 986 356 359	B 359			
				05.01-06.06	0 986 356 331	B 331			
			AZJ; BEH	05.01-06.06	0 986 356 345	B 345			
2.3	2,3	110	AGZ	05.99-02.01	0 986 356 318	B 318			
2.8	2,8	150	AQP; AUE	05.99-04.01	0 986 356 348	B 348			
Golf Plus									
1.6	1,6	72-75	BSE <MW6>; BSF; BSF <MW6>; CCSA; CCSA <MW6>; CHGA <DF2>	05.05→	0 986 356 346	B 346			
Golf V									
1.6	1,6	75	BGU; BSE <MW6>; BSF	01.04-11.08	0 986 356 346	B 346			
Golf VI									
1.6	1,6	72-75	BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>; CMXA <MW6>	10.08→	0 986 356 346	B 346			
Jetta									
1.3	1,3	40	NZ; 2G	02.87-07.92	0 986 356 342	B 342			
1.6	1,6	51-55	EZ; EZA; PN; RF	08.84-07.92	0 986 356 338	B 338			
		55	ABN	08.91-07.92	0 986 356 342	B 342			
		74	AKL	09.99-12.05	0 986 356 359	B 359			
		75	BSE <MW6>; BSF <MW6>; CCSA <MW6>	10.05-10.10	0 986 356 346	B 346			





1	2	3	4	5	6	7	8	
								<b>Golf III</b>
0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987					0 356 904 062
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			0 356 904 068
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			0 356 904 068
								<b>Golf IV</b>
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					0 356 904 068
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					0 356 904 068
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
								0 356 904 062
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729					
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732				
								<b>Golf IV Variant</b>
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729					
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732				
								<b>Golf Plus</b>
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
								<b>Golf V</b>
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
								<b>Golf VI</b>
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
								<b>Jetta</b>
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					





◀ VW							
1.8	1,8	66/72/82	GU; PB; RP; 1P		08.84-07.92	0 986 356 338	B 338
2.0	2,0	85	APK		09.99-12.05	0 986 356 359	B 359
<b>Lupo</b>							
1.0	1,0	37	AER		10.98-05.00	0 986 356 360	B 360
			ALD		10.98-07.05	0 986 356 341	B 341
			ALL		10.98-05.00	0 986 356 360	B 360
			ANV		10.98-05.00	0 986 356 341	B 341
			AUC		05.00-07.05	0 986 356 312	B 312
1.4	1,4	44	AUD		09.00-07.05	0 986 356 312	B 312
		55/74	AFK; AHW; AKQ; APE; AQQ; AUA		10.98-05.04	0 986 356 308	B 308
		74	AUB		05.00-07.05	0 986 356 308	B 308
1.6	1,6	92	AVY		05.00-07.05	0 986 356 308	B 308
<b>New Beetle</b>							
1.6	1,6	74	AWH		10.99-10.00	0 986 356 359	B 359
		75	AYD; BFS <MW6>		06.00-12.10	0 986 356 346	B 346
2.0	2,0	85	AEG; APK; AQY		01.98-06.05	0 986 356 359	B 359
			AVH; AZG; AZJ <MR4>; BDC; BEJ		08.00-09.10	0 986 356 345	B 345
			BER		01.03-06.07		
			BEV <ML5>; BGD		01.03-10.10	0 986 356 345	B 345
			BHP; CBPA <ML5>		07.03-09.10		
<b>Passat</b>							
1.6	1,6	55	ABN		09.91-07.92	0 986 356 338	B 338
					KOB		
			EZ		04.88-09.91	0 986 356 338	B 338
		74	ADP		10.96-11.00	0 986 356 304	B 304
			AHL		10.96-11.00	0 986 356 359	B 359
			ANA		07.99-11.00	0 986 356 359	B 359
			ARM		01.99-11.00	0 986 356 359	B 359
		75	ALZ		10.00-05.05	0 986 356 359	B 359
			BSE <MW6>; BSF <MW6>		03.05-11.10	0 986 356 346	B 346
1.8	1,8	55	AAM		08.90-03.97	0 986 356 338	B 338
		66	ABS		08.91-09.94	0 986 356 342	B 342
			ADZ		10.94-03.97		
			RP		04.88-07.91	0 986 356 338	B 338
		118	PG		09.89-08.94	0 986 356 338	B 338
2.0	2,0	85	ADY		10.94-07.95		
			AGG		07.95-03.97		
					AA	0 986 356 339	B 339
			AZM		10.00-05.05		
			2E		03.90-09.94	0 986 356 342	B 342
		100	9A		08.88-09.93	0 986 356 300	B 300
2.3	2,3	110	AGZ		10.96-10.97	0 986 356 318	B 318
					06.97-11.00	0 986 356 349	B 349
2.8	2,8	128	AAA		06.91-03.97	0 986 356 384	B 384
		132/140/142	ACK; AGE; ALG; AMX; APR; AQD; ATQ; BBG		01.97-05.05	0 986 356 321	B 321
2.9	2,9	135	ABV		01.94-03.97	0 986 356 301	B 301
<b>Polo</b>							
1.0	1,0	33	AAU; ACM		10.90-09.94	0 986 356 369	B 369
			AEV		10.94-12.99	0 986 356 357	B 357
			HZ		08.85-01.92	0 986 356 369	B 369
		37	AER		03.96-12.99	0 986 356 343	B 343
			ALD				
			→ Fg.Nr. 6N-Y-050 000		07.98-09.01	0 986 356 341	B 341
			Fg.Nr. 6N-Y-050 001 →		07.98-09.01	0 986 356 312	B 312
			ALL		05.97-12.99	0 986 356 343	B 343
			AUC		10.99-09.01	0 986 356 312	B 312
1.3	1,3	40	AAV		01.91-09.94	0 986 356 369	B 369
			ADX		10.94-07.95	0 986 356 357	B 357
					07.96-12.99		
		40/56-59/85	NZ; PY; 2G; 3F		10.90-09.94	0 986 356 369	B 369
1.4	1,4	40	AKP				
			→ Fg.Nr. 6N-Y-050 000		09.98-09.01	0 986 356 341	B 341
			Fg.Nr. 6N-Y-050 001 →		09.98-09.01	0 986 356 312	B 312



1	2	3	4	5	6	7	8
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
							<b>Lupo</b>
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				0 356 904 070
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				0 356 904 070
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				0 356 904 070
							<b>New Beetle</b>
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
							<b>Passat</b>
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 882	0 356 912 883	0 356 912 884	0 356 912 885				0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 943				
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 943				
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
0 986 357 733	0 986 357 733	0 986 357 731	0 986 357 729				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
							0 356 912 993
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732			
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		0 356 904 068
							<b>Polo</b>
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887				0 356 904 068
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 736	0 986 357 730	0 986 357 729	0 986 357 731				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887				0 356 904 068
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 736	0 986 357 730	0 986 357 729	0 986 357 731				





◀ VW							
1.4	1,4	40-44	AEX		07.95-12.99	0 986 356 343	B 343
		44	AKK				
			→ Fg.Nr. 6N-Y-050 000		09.98-09.01	0 986 356 341	B 341
			Fg.Nr. 6N-Y-050 001 →		09.98-09.01	0 986 356 312	B 312
					10.99-09.01	0 986 356 312	B 312
			AKV		05.97-12.99	0 986 356 343	B 343
			ANW		10.99-08.00	0 986 356 312	B 312
			ANX		01.98-12.99	0 986 356 343	B 343
			APQ		11.97-12.99	0 986 356 343	B 343
			AUD		10.99-09.01	0 986 356 312	B 312
		55	AHW		01.99-09.01	0 986 356 308	B 308
			APE		10.99-12.00	0 986 356 308	B 308
		55/74	AUA; AUB		10.99-01.02	0 986 356 308	B 308
		74	AFH		04.96-12.99	0 986 356 309	B 309
			AFK		09.98-09.01	0 986 356 308	B 308
1.6	1,6	55	AEA		10.94-07.95	0 986 356 357	B 357
			AEE		07.95-12.99	0 986 356 343	B 343
			AHS		03.96-12.99	0 986 356 343	B 343
			ALM		07.98-09.01	0 986 356 343	B 343
		74	AEH		10.99-09.01	0 986 356 359	B 359
			AKL		10.99-09.01	0 986 356 359	B 359
			APF		03.00-10.00	0 986 356 331	B 331
			AUR		07.00-09.01	0 986 356 331	B 331
		88	AJV		04.98-12.99	0 986 356 308	B 308
		92	ARC		11.99-09.01	0 986 356 308	B 308
			AVY		05.00-09.01	0 986 356 308	B 308
2.0	2,0	85	BBX		07.03-05.07	0 986 356 331	B 331
<b>Scirocco</b>							
1.6	1,6	55	EW		08.84-07.92	0 986 356 338	B 338
1.8	1,8	66/68-70/82	DX; EX; JH		08.84-07.92	0 986 356 338	B 338
<b>Sharan</b>							
2.0	2,0	85	ADY		09.95-02.00	0 986 356 350	B 350
			ATM		05.00-03.10	0 986 356 331	B 331
2.8	2,8	128	AAA		09.95-02.00	0 986 356 384	B 384
<b>Touran</b>							
1.6	1,6	75	BGU; BSE <MW6>; BSF		07.03-05.10	0 986 356 346	B 346
2.0	2,0	80	BSX		02.06-05.10	0 986 356 345	B 345
<b>T3 (Bus,Transporter)</b>							
2.1	2,1	68	SS		08.89-07.92	0 986 356 342	B 342
		70	MV		08.85-07.92		
		82	DJ		01.86-07.92		
<b>T4 (Bus,Transporter)</b>							
1.8	1,8	49	PD		12.90-07.92	0 986 356 338	B 338
						0 986 356 343	B 343
2.0	2,0	62	AAC		09.90-07.92	0 986 356 357	B 357
					08.92-06.03		
2.5	2,5	81	AAF		11.90-12.93		
					11.92-12.93	AA	
			ACU; AEN		01.94-10.96	0 986 356 371	B 371
			AEU		08.96-06.03	0 986 356 340	B 340
		85	AET		05.96-06.03	0 986 356 371	B 371
					08.96-06.03	0 986 356 340	B 340
2.8	2,8	103/150	AES; AMV		01.96-06.03	0 986 356 347	B 347
<b>T5 (Bus,Transporter)</b>							
2.0	2,0	85	AXA <MOR>		06.03-11.09	0 986 356 331	B 331
					09.09→	0 986 356 359	B 359
			AXA <MOR>		09.09→	0 986 356 359	B 359
<b>Vento</b>							
1.4	1,4	44	ABD		11.91-07.95	0 986 356 342	B 342
			AEX		07.95-12.97	0 986 356 360	B 360





1	2	3	4	5	6	7	8	
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 357 736	0 986 357 730	0 986 357 729	0 986 357 731					
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 731	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
								<b>Scirocco</b>
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
								<b>Sharan</b>
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			
								<b>Touran</b>
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729					
								<b>T3 (Bus,Transporter)</b>
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 888	0 356 912 888	0 356 912 886	0 356 912 886					0 356 904 062
0 356 912 888	0 356 912 888	0 356 912 886	0 356 912 886					0 356 904 062
								<b>T4 (Bus,Transporter)</b>
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887					0 356 904 068
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883					0 356 904 061
0 356 912 886	0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				
0 356 912 945	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				
0 356 912 886	0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070
0 356 912 886	0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070
0 986 357 738	0 986 357 737	0 986 357 738	0 986 357 734	0 986 357 737	0 986 357 731			
								<b>T5 (Bus,Transporter)</b>
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
								<b>Vento</b>
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 068





◀ VW							
1.6	1,6	55	ABU	09.92-09.94	0 986 356 342	B 342	
			AEA	10.94-07.95	0 986 356 357	B 357	
			AEE	07.95-12.97	0 986 356 360	B 360	
1.8	1,8	55/66	AAM; ABS	11.91-12.97	0 986 356 342	B 342	
		66	ADZ	10.94-12.97	0 986 356 339	B 339	
2.0	2,0	85	ADY; AGG; AKR	10.94-12.97	0 986 356 339	B 339	
			2E	11.91-09.94	0 986 356 342	B 342	
2.8	2,8	120	AAA	07.94-12.97	0 986 356 301	B 301	
		128	AAA	01.92-12.97	0 986 356 384	B 384	

### WARTBURG

1.3							
1.3	1,3	43	VW-Motor	09.88-05.91	0 986 356 338	B 338	

### ZASTAVA (YUGO)

Yugo							
45	0,9	33		04.80-12.93			





1	2	3	4	5	6	7	8
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887				0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		0 356 904 068
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		

**WARTBURG**

							1.3
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068

**ZASTAVA (YUGO)**

							Yugo
0 986 356 023	0 986 356 021	0 986 356 019	0 986 356 019				0 986 356 040



Z



















A series of horizontal lines providing space for handwritten notes.



<b>AG</b>	For vehicles with automatic transmission
<b>BO</b>	Bosch, only as replacement for Bosch equipment
<b>CSA</b>	Product can also be ordered online "www.partbob.com"
<b>EU5</b>	For vehicles with emission standard Euro 5
<b>GA</b>	Straight
<b>GO</b>	Angled
<b>GS</b>	For vehicles with manual transmission
<b>HI</b>	Rear
<b>KL</b>	For vehicles with air conditioner
<b>KL</b>	For vehicles without air conditioner
<b>KZL</b>	Replacement for short ignition cable
<b>LH</b>	For vehicles with power steering
<b>LLE</b>	For LHD vehicles
<b>LZL</b>	Replacement for long ignition cable
<b>MAR</b>	Interchangeable Bosch product or part for Marelli
<b>MLK</b>	For vehicles with power steering and air conditioner
<b>MMS</b>	With vermin repeller
<b>MMS</b>	Without rodent repeller
<b>MZV</b>	For engine with ignition distributor
<b>MZV</b>	For engine without ignition distributor

<b>NKE</b>	Secondary spark plug
<b>OE</b>	Installed at top
<b>PSM</b>	For Paul Smith ignition cables
<b>PSM</b>	Not for Paul Smith ignition cables
<b>RBE</b>	Slightly differing specification from Silicone Copper, packed in plastic bag
<b>RBV</b>	Without distributor connector in scope of delivery, packed in plastic bag
<b>RLE</b>	For RHD vehicles
<b>SEE</b>	Installed on side
<b>TW</b>	The product fitted must be identified on the vehicle or engine
<b>VO</b>	Front
<b>WCP</b>	For breaker-triggered ignition system
<b>WW</b>	Optional
<b>XDW</b>	For cylinders 2 and 3
<b>ZMB</b>	For ignition coil with DIN connection
<b>ZMM</b>	For ignition coil with M4 connection
<b>ZMS</b>	For ignition coil with SAE pin
<b>ZVD</b>	For ignition distributor/coil with DIN connection
<b>ZVM</b>	For ignition distributor with M4 connection
<b>ZVS</b>	For ignition distributor/coil with SAE connection









	Passenger cars / Small vans
	Capacity in l/ccm
	Engine power output in kW
	Engine type
	Chassis-No.
	Export market
	Date / Production period
	Special case







	Ignition-cable set
	Ignition distributor / spark plug
	Ignition coil / ignition distributor
	Spark-plug connector
	Ignition-distributor connector
	Ignition-coil connector



<b>AG</b>	Pour véhicules avec boîte automatique
<b>BO</b>	Bosch, uniquement comme remplacement pour équipement Bosch
<b>CSA</b>	Produit disponible également en ligne "www.partbob.com"
<b>EU5</b>	Pour véhicules avec norme antipollution Euro 5
<b>GA</b>	Droit
<b>GO</b>	Coudé
<b>GS</b>	Pour véhicules avec boîte manuelle
<b>HI</b>	Arrière
<b>KL</b>	Pour véhicules avec climatiseur
<b>KL</b>	Pour véhicules sans climatiseur
<b>KZL</b>	Remplacement pour câble d'allumage court
<b>LH</b>	Pour véhicules avec direction assistée
<b>LLE</b>	Pour véhicules avec direction à gauche
<b>LZL</b>	Remplacement pour câble d'allumage long
<b>MAR</b>	Produit Bosch équivalent ou pièce pour Marelli
<b>MLK</b>	Pour véhicules avec direction assistée et climatiseur
<b>MMS</b>	Avec protection anti-martres
<b>MMS</b>	Sans protection anti-martres
<b>MZV</b>	Pour moteur avec allumeur
<b>MZV</b>	Pour moteur sans allumeur

<b>NKE</b>	Bougie auxiliaire
<b>OE</b>	Monté en haut
<b>PSM</b>	Pour câbles d'allumage Paul Smith
<b>PSM</b>	Pas pour câbles d'allumage Paul Smith
<b>RBE</b>	Spécification légèrement différente de Silicone-Copper, emballage sachet PE
<b>RBV</b>	Sans connecteur d'allumeur fourni, emballage sachet PE
<b>RLE</b>	Pour véhicules avec direction à droite
<b>SEE</b>	Monté latéralement
<b>TW</b>	Le produit monté doit être déterminé sur le véhicule ou le moteur.
<b>VO</b>	Avant
<b>WCP</b>	Pour système d'allumage à commande par contact
<b>WW</b>	Au choix
<b>XDW</b>	Pour cylindres 2 et 3
<b>ZMB</b>	Pour bobine d'allumage à raccord DIN
<b>ZMM</b>	Pour bobine d'allumage à raccord M4
<b>ZMS</b>	Pour bobine d'allumage avec tige SAE
<b>ZVD</b>	Pour allumeur/bobine d'allumage à raccord DIN
<b>ZVM</b>	Pour allumeur à raccord M4
<b>ZVS</b>	Pour allumeur/bobine d'allumage à raccord SAE

	Voiture particulière / véhicule utilitaire léger
	Cylindrée en l/cm <sup>3</sup>
	Puissance du moteur en kW
	Type de moteur
	Numéro de châssis
	Pays d'exportation
	Date / période de montage
	Cas spécial

	Jeu de câbles d'allumage
	Allumeur / bougie d'allumage
	Bobine d'allumage / allumeur
	Embout de bougie d'allumage
	Connecteur d'allumeur
	Connecteur de bobine d'allumage

<b>AG</b>	Per veicoli con cambio automatico
<b>BO</b>	Solo come ricambio per l'equipaggiamento Bosch
<b>CSA</b>	Prodotto ordinabile anche online "www.partbob.com"
<b>EU5</b>	Per veicoli con norma sui gas di scarico Euro 5
<b>GA</b>	Diritto
<b>GO</b>	Piegato
<b>GS</b>	Per veicoli con cambio meccanico
<b>HI</b>	Posteriore
<b>KL</b>	Per veicoli con climatizzatore
<b>KL</b>	Per veicoli senza climatizzatore
<b>KZL</b>	Ricambio per cavi di accensione corti
<b>LH</b>	Per veicolo con servosterzo
<b>LLE</b>	Per guida a sinistra
<b>LZL</b>	Ricambio per cavo di accensione lungo
<b>MAR</b>	Prodotto Bosch equivalente o pezzo per Marelli
<b>MLK</b>	Per veicoli con servosterzo e climatizzatore
<b>MMS</b>	Con protezione antiroditori
<b>MMS</b>	Senza protezione antiroditori
<b>MZV</b>	Per motore con distributore di accensione
<b>MZV</b>	Per motore senza distributore di accensione

<b>NKE</b>	Candela di accensione secondaria
<b>OE</b>	Montato in alto
<b>PSM</b>	Per fili di accensione Paul Smith
<b>PSM</b>	Non per fili di accensione Paul Smith
<b>RBE</b>	Specifica leggermente diversa da Silicone-Copper, imballaggio in sacchetto PE
<b>RBV</b>	Spina del distributore non compresa nella fornitura, imballaggio in sacchetto PE
<b>RLE</b>	Per guida a destra
<b>SEE</b>	Montaggio laterale
<b>TW</b>	Il prodotto montato deve essere rilevato sul veicolo o sul motore.
<b>VO</b>	Anteriore
<b>WCP</b>	Per impianto di accensione con comando a contatto
<b>WW</b>	A scelta
<b>XDW</b>	Per cilindro 2 e 3
<b>ZMB</b>	Per bobina di accensione con collegamento DIN
<b>ZMM</b>	Per bobina di accensione con collegamento M4
<b>ZMS</b>	Per bobina di accensione con spina SAE
<b>ZVD</b>	Per distributore/bobina di accensione con collegamento DIN
<b>ZVM</b>	Per distributore di accensione con collegamento M4
<b>ZVS</b>	Per distributore/bobina di accensione con collegamento SAE



Autovettura / furgone



Cilindrata in l/ccm



Potenza motore in kW



Tipo motore



N. di telaio



Paese d'esportazione



Data / Periodo di montaggio



Caso specifico



Kit cavo d'accensione



Distributore d'accensione / candela d'accensione



Bobina d'accensione / distributore d'accensione



Spina candela d'accensione



Spina per distributore d'accensione

















Spina per bobine d'accensione



<b>AG</b>	Para vehículos con cambio automático
<b>BO</b>	Bosch, sólo como producto de sustitución para el equipo Bosch
<b>CSA</b>	Producto también por pedido online "www.partbob.com"
<b>EU5</b>	Para vehículos con norma de gases de escape EURO 5
<b>GA</b>	Recto
<b>GO</b>	Acodado
<b>GS</b>	Para vehículos con cambio manual
<b>HI</b>	Trasero
<b>KL</b>	Para vehículos con acondicionador de aire
<b>KL</b>	Para vehículos sin acondicionador de aire
<b>KZL</b>	Sustituto para cable de encendido corto
<b>LH</b>	Para vehículos con servodirección
<b>LLE</b>	Para dirección a la izquierda
<b>LZL</b>	Reemplazo para cable de contacto largo
<b>MAR</b>	Producto o pieza Bosch de dimensiones idénticas para Marelli
<b>MLK</b>	Para vehículos con servodirección y con acondicionador de aire
<b>MMS</b>	Con protección contra martas
<b>MMS</b>	Sin protección contra martas
<b>MZV</b>	Para motor con distribuidor de encendido
<b>MZV</b>	Para motor sin distribuidor de encendido

<b>NKE</b>	Bujía secundaria
<b>OE</b>	Montado arriba
<b>PSM</b>	Para los cables de encendido Paul Smith
<b>PSM</b>	No para los conductos de encendido Paul Smith
<b>RBE</b>	Especificación con una diferencia mínima respecto a Silicone-Copper, embalaje en bolsa PE
<b>RBV</b>	Sin enchufe de distribución en el volumen de suministro, embalaje en bolsa PE
<b>RLE</b>	Para vehículos de volante a la derecha
<b>SEE</b>	Montaje lateral
<b>TW</b>	El producto montado se debe determinar en el vehículo o en el motor.
<b>VO</b>	Delante
<b>WCP</b>	Para instalación de encendido controlado por contacto
<b>WW</b>	A elección
<b>XDW</b>	Para cilindro 2 y 3
<b>ZMB</b>	Para bobina de encendido con conexión DIN
<b>ZMM</b>	Para bobina de encendido con conexión M4
<b>ZMS</b>	Para bobina de encendido con pasador SAE
<b>ZVD</b>	Para distribuidor/bobina de encendido con conexión DIN
<b>ZVM</b>	Para distribuidor de encendido con conexión M4
<b>ZVS</b>	Para distribuidor/bobina de encendido con conexión SAE

	Turismo / furgoneta
	Cilindrada en l/ccm
	Potencia del motor en kW
	Tipo de motor
	Número de chasis
	País de exportación
	Fecha / periodo de fabricación
	Caso especial

	Juegos de cables antiparasitarios
	Distribuidor de encendido / bujía de encendido
	Bobina de encendido / distribuidor de encendido
	Terminal de bujías
	Terminal de distribuidor de encendido
	Terminal de bobina de encendido



<b>AG</b>	Für Fahrzeuge mit automatischem Getriebe
<b>BO</b>	Bosch, nur als Ersatz für Bosch-Ausrüstung
<b>CSA</b>	Erzeugnis auch online bestellbar "www.partbob.com"
<b>EUS</b>	Für Fahrzeuge mit Abgasnorm Euro 5
<b>GA</b>	Gerade
<b>GO</b>	Abgewinkelt
<b>GS</b>	Für Fahrzeuge mit Handschaltgetriebe
<b>HI</b>	Hinten
<b>KL</b>	Für Fahrzeuge mit Klimaanlage
<b>KL</b>	Für Fahrzeuge ohne Klimaanlage
<b>KZL</b>	Ersatz für kurze Zündleitung
<b>LH</b>	Für Fahrzeuge mit Lenkhilfe
<b>LLE</b>	Für Linkslenker
<b>LZL</b>	Ersatz für lange Zündleitung
<b>MAR</b>	Einbaugleiches Bosch-Erzeugnis oder Teil für Marelli
<b>MLK</b>	Für Fahrzeuge mit Lenkhilfe und Klimaanlage
<b>MMS</b>	Mit Marderschutz
<b>MMS</b>	Ohne Marderschutz
<b>MZV</b>	Für Motor mit Zündverteiler
<b>MZV</b>	Für Motor ohne Zündverteiler

<b>NKE</b>	Nebenzündkerze
<b>OE</b>	Oben eingebaut
<b>PSM</b>	Für Paul Smith Zündleitungen
<b>PSM</b>	Nicht für Paul Smith Zündleitungen
<b>RBE</b>	Geringfügig abweichende Spezifikation zu Silicone-Copper, Verpackung PE-Beutel
<b>RBV</b>	Ohne Verteilerstecker im Lieferumfang, Verpackung PE-Beutel
<b>RLE</b>	Für Rechtslenker
<b>SEE</b>	Seitlich eingebaut
<b>TW</b>	Eingebautes Erzeugnis muss am Fahrzeug oder Motor ermittelt werden.
<b>VO</b>	Vorne
<b>WCP</b>	Für kontaktgesteuerte Zündanlage
<b>WW</b>	Wahlweise
<b>XDW</b>	Für Zylinder 2 und 3
<b>ZMB</b>	Für Zündspule mit DIN-Anschluss
<b>ZMM</b>	Für Zündspule mit M4-Anschluss
<b>ZMS</b>	Für Zündspule mit SAE Stift
<b>ZVD</b>	Für Zündverteiler/-Spule mit DIN-Anschluss
<b>ZVM</b>	Für Zündverteiler mit M4-Anschluss
<b>ZVS</b>	Für Zündverteiler/-Spule mit SAE-Anschluss



Pkw / Kleintransporter



Hubraum in l/ccm



Motorleistung in kW



Motortyp



Fahrgestellnummer



Exportland



Datum / Einbauzeitraum



Sonderfälle



Zündleitungs-Set



Zündverteiler / Zündkerze



Zündspule / Zündverteiler



Zündkerzenstecker



Zündverteilerstecker



Zündspulenstecker





de

Elektronischer  
Katalog für Kraft-  
fahrzeug-Ausrüstung

en

Electronic Catalogue  
for Automotive Parts

fr

Catalogue électronique  
de pièces détachées  
et de rechange

it

Catalogo elettronico  
per ricambi di  
automobili

es

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3. Selected vehicle
4. Shows further vehicle information

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98/2000/NT/ME/XP

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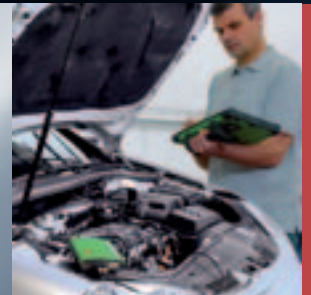
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