



<p><b>Relays</b>  <b>Product descriptions</b></p>	<p><b>2.02-2.11</b></p>
<p><b>Relays, wiping interval</b>  <b>Car and van application chart</b>  <b>Commercial vehicle application chart</b>  <b>Product descriptions</b></p>	<p><b>2.12-2.15</b>  <b>2.16</b>  <b>2.17-2.21</b></p>
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## Climatic and mechanical tests

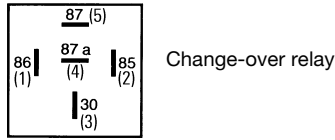
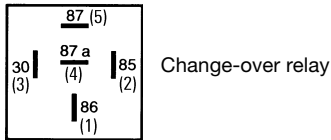
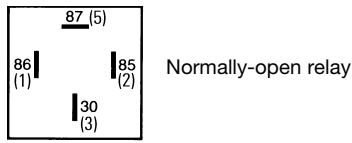
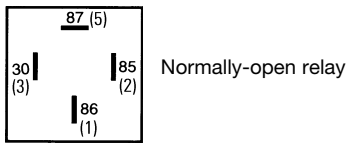
<b>Vibration test:</b>	DIN IEC 600 68-2-6 (sinusoidal) 20-200 Hz, 5g
<b>Shock test:</b>	DIN IEC 600 68-2-27 (half-sine) min. 10g
<b>Corrosion test:</b>	DIN IEC 600 68-2-42; 10 ± 2 cm <sup>3</sup> /m <sup>3</sup> SO <sub>2</sub> , 10 days
	DIN IEC 600 68-2-42; 11 ± 0,3 cm <sup>3</sup> /m <sup>3</sup> H <sub>2</sub> S, 10 days
<b>Damp heat test, cyclic:</b>	DIN IEC 600 68-2-30; Db, version 1; 6 cycles, upper temperature +55 °C
<b>Damp heat test, constant:</b>	DIN EN 600 68-2-78; approx. 56 days; upper temperature +55 °C
<b>Temperature-change test:</b>	DIN IEC 600 68-2-14; Nb, 10 cycles; -40 °C/+85 °C (5 °C per minute)
<b>Condensation-water test:</b>	EN ISO 6988, 6 cycles; Storage 8/16 h

## Connecting and clamping description

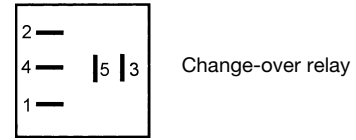
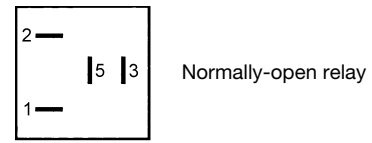
German standard	Iso 7588 standard	Description
86	1	Coil trigger (+)
85	2	Coil trigger (-), Ground
30	3	Battery (+)
87a	4	Output 2
87	5	Output 1

Test data	Mini-relays 12V	Mini-relays 24V	Micro-relays 12V	High-performance make relays 12V	High-performance make relays 12V	Solid-state relays 12V
Test voltage	13.5V	27V	13.5V	13V	27V	13.5V
Test temperature	(+23±5) °C	(+23±5) °C	(+23±5) °C	(+23±5) °C	(+23±5) °C	(+23±5) °C
<b>Energising side</b>						
Rated voltage	12V	24V	12V	12V	24V	12V
Operating voltage at test temperature	8.5V to 15V	16V to 30V	7.5V to 15V	8.5V to 15V	18V to 30V	8V to 16V
Operating voltage at permissible ambient temperature	10.5V to 15V	21V to 30V	10.5V to 15V	11V to 15V	21V to 30V	8V to 16V
Response voltage at test temperature	< 8V	< 18V	< 8V	< 8.5V	< 18V	KI 86 < 6V
<b>Release voltage at test temperature</b>						
- New	> 1.0V	> 3.0V	> 1.0V	> 2.5V	> 5.0V	-
- Following endurance test	> 0.8V	> 2.0V	> 0.8V	> 1.5V	> 2.0V	-
Coil resistance at test temperature	85 Ohm	320 Ohm	92 Ohm	85 Ohm	300 Ohm	Ri = 1,2 K
Permissible ambient temperature	(-40 to +100°)	(-40 to +100°)	(-40 to +100°)	(-40 to +100°)	(-40 to +100°)	(-40 to +105°)
Storage temperature	(-40 to +130°)	(-40 to +130°)	(-40 to +130°)	(-40 to +130°)	(-40 to +130°)	(-40 to +130°)
Type of operation	Cont. operation	Cont. operation	Cont. operation	Cont. operation	Cont. operation	PWM / cont.
Response and release time	< 10 ms	< 10 ms	< 10 ms	< 20 ms	< 20 ms	< 1 ms
Test voltage coil/contact	750V	750V	750V	750V	750V	SAE test pulse 1, 2, 3A, 3B
<b>Load side</b>						
Contact force	> 1.6 N	> 1.6 N	> 0.7 N	> 2.5 N	> 2.5 N	-
Armature ret. force	> 0.3 N	> 0.35 N	> 0.25 N	> 0.6 N	> 0.6 N	-
Erosion margin	> 0.3 mm	> 0.3 mm	> 0.25 mm	> 0.4 mm	> 0.4 mm	-
Contact gap	> 0.4 mm	> 0.8 mm	> 0.4 mm	> 0.6 mm	> 1.0 mm	-
<b>Voltage drop</b>						
- New	< 5 mV/A	< 5 mV/A	< 5 mV/A	< 2 mV/A	< 2 mV/A	< 9 mV/A
- Following endurance test	< 10 mV/A	< 10 mV/A	< 10 mV/A	< 5 mV/A	< 5 mV/A	< 10 mV/A

## Mini-relays / Solid-state relays



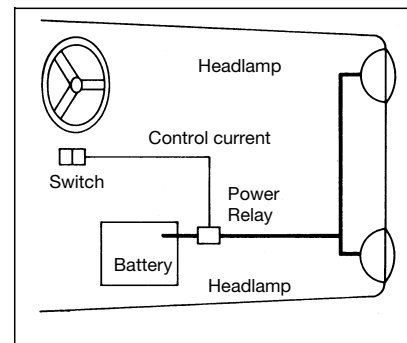
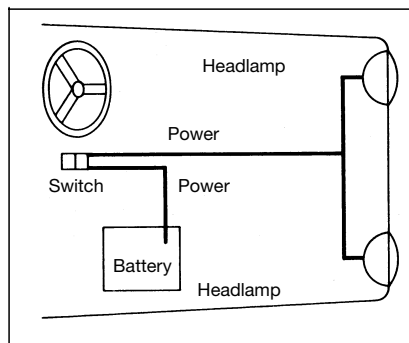
## Micro-relays



## Plug patterns according to ISO 7588 / flat plugs to ISO 8092

Operating voltage*	Luminous intensity
100% = 6,75V	100%
or 100% = 13,5V	83%
or 100% = 27,0V	67%
	53%

\* 100% = 6,75V  
or 100% = 13,5V  
or 100% = 27,0V



### Important:

The importance of optimum operating current and the negative effect voltage drop can have, e.g. on the luminous intensity of a bulb, can be seen from the table above.

### Not good:

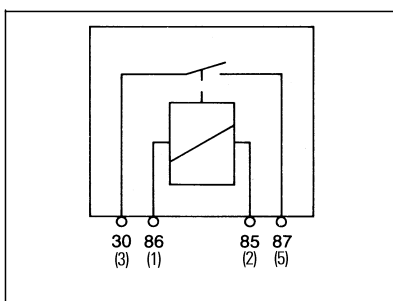
Power must travel from battery to headlamps - via the dashboard switch.  
Result: voltage drop and consequent reduction in headlamp performance. Possible overloading of switch.

### The best solution: with a relay!

The power is routed over the shortest distance between battery and headlamp via the relay. A control-current lead with cross-section of only 0.75 sq. mm (current consumption for this lead less than 150 mA!) is required between dashboard switch and relay. Result: practically the entire power reaches the load.

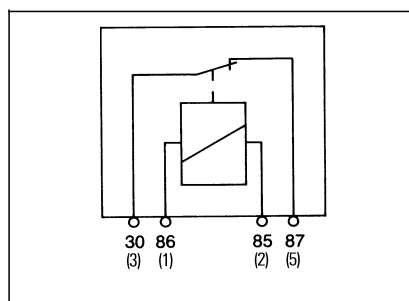
## What sorts of relays are there?

### 1. The normally-open relay:



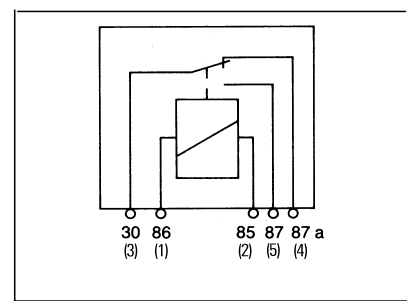
A normally-open relay is used to close the electric circuit between power source and electrical load, i.e. the load is switched on. Relays are operated by means of switches, pulse generators or control devices. Application: headlamps, auxiliary driving lamps, auxiliary fog lamps, horn, heaters, motors for fans and power windows, air-conditioners and ignition assemblies, etc.

### 2. The normally-closed relay:



In practice, the normally-closed function is performed by the change-over relay. A normally-closed relay is used to break the circuit between power supply and electrical load, i.e. the load is switched off. One application for this type of relay is reducing the load on the battery when starting the engine. The relay temporarily switches off electrical loads such as headlamps or heated rear windows.


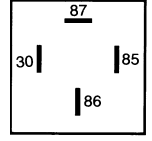
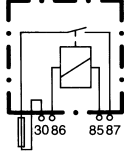

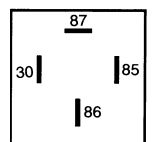
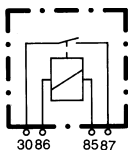

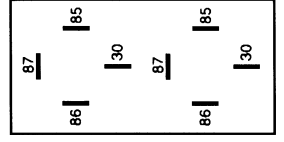
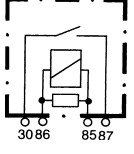
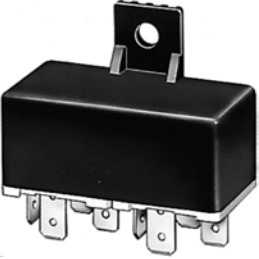
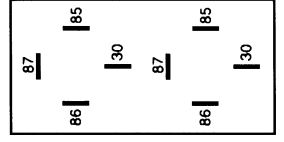
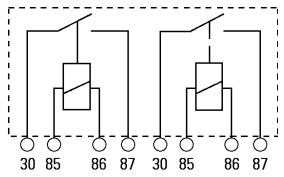

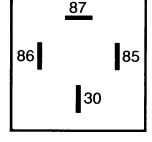
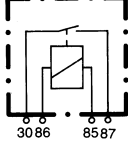
### 3. The change-over relay:



The change-over relay changes the load path from one electrical load to another. **The relay is operated by a dashboard switch.** Application: Switching over from town horn to fanfare horn, for 2-speed-appliances such as heated rear windows or fan motors, etc.

### Change-over relays can be used as:

- change-over relays
- normally-open relays
- normally-closed relays


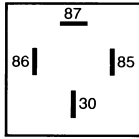
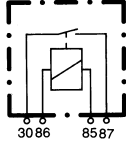
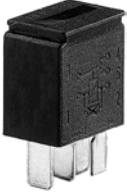
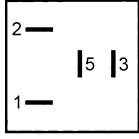
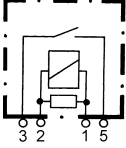

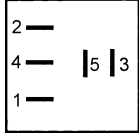
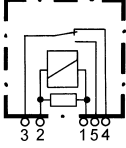
	Part no.	Pk.	Normally-open relays (mini-relays)
  	<p>4RA 003 510-361 4RA 003 510-367 4RA 003 510-651</p>	<p>1 112 1</p>	<p><b>With bracket and blade-type fuse.</b> With 6.3 mm blade terminal contacts.</p> <p>Max. load (at +80 °C) 15A at 12V and 24V.</p> <p><b>Normally-open relay, 4-pin, 12V</b></p> <p><b>24V</b></p> <hr/> <p>Max. load (at +80 °C) 25A at 12V.</p> <p><b>12V</b></p>
  	<p>4RA 003 510-081 4RA 003 510-087 4RA 003 510-091 4RA 003 510-097</p>	<p>1 288 1 288</p>	<p><b>With bracket, without fuse.</b></p> <p>Max. load (at +80 °C) 40A at 12V, 30A at 24V.</p> <p><b>Normally-open relay, 4-pin, 12V</b></p> <p><b>24V</b></p> <hr/> <p><b>With resistor in parallel with coil, without bracket and fuse.</b> Max. load (at +80 °C) 40A at 12V.</p> <p><b>Normally-open relay, 4-pin, 12V</b></p>
  	<p>4RA 003 510-421</p>	<p>1</p>	<p><b>With bracket and 6.3 mm blade terminal contacts.</b></p> <p>Max. load (at +80 °C) 2 x 30A at 12V.</p> <p><b>Normally-open relay, double, 8-pin, 12V, carded</b></p>
  	<p>4RA 003 588-001 4RA 003 588-007</p>	<p>1 120</p>	<p><b>Without bracket,</b> with 6.3 mm blade terminal contacts.</p> <p>Max. load (at +80 °C) 40A at 12V, 30A at 24V.</p> <p><b>Normally-open relay, 4-pin, 12V</b></p> <p><b>24V</b></p>
  	<p>4RA 003 510-111 4RA 003 510-117 4RA 003 510-151 4RA 003 510-157</p>	<p>1 184 1 224</p>	<p><b>Without bracket,</b> with 6.3 mm blade terminal contacts.</p> <p>Max. load (at +80 °C) 40A at 12V, 30A at 24V.</p> <p><b>Normally-open relay, 4-pin, 12V</b></p> <p><b>24V</b></p>


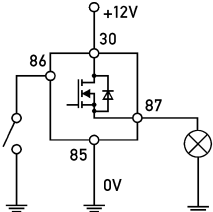
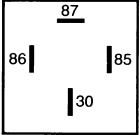

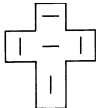

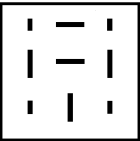

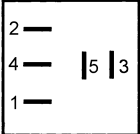
			Part no.	Pk.	<p><b>Normally-open relays (mini-relays)</b></p> <p><b>With resistor in parallel with coil.</b> Inductive interference-voltage spikes from the coil limited to &lt; 90V by resistor in parallel. Max. load (at +80 °C) 30A at 12V, 40A at 24V.</p> <p><b>Normally-open relay, 4-pin, without bracket, 24V</b></p> <p><b>with bracket, 24V</b></p>
			4RA 007 957-001 4RA 007 957-007	1 192	
			4RA 007 957-011 4RA 007 957-017	1 128	
			4RA 007 793-031 4RA 007 793-037  4RA 007 793-041 4RA 007 793-047	1 192  1 168	<p><b>With resistor in parallel with coil,</b> with two 6.3 mm and two 9.5 mm blade terminal contacts (terminals 30 and 87). Max. load (at +80 °C) 50A at 12V.</p> <p><b>Normally-open relay, 4-pin, without bracket, 12V</b></p> <p><b>with bracket, 12V</b></p>
			4RA 003 510-517	288	<b>with bracket, 12V</b>
			4RA 003 510-461	1	<p>Max. load (at +80 °C) 40A at 12V.</p> <p><b>Normally-open relay, 4-pin, without bracket, 12V</b></p>
			4RA 007 791-011 4RA 007 791-017 4RA 007 791-021	1 192 1	<p><b>With resistor in parallel with coil.</b> With 6.3 mm blade terminal contacts. Max. load (at +80 °C) 40A at 12V.</p> <p><b>Normally-open relay, 4-pin, without bracket, 12V</b></p> <p><b>with bracket, 12V</b></p>
			4RA 003 510-471 4RA 003 510-567	1 288	<p>Max. load (at +80 °C) 40A at 12V.</p> <p><b>Normally-open relay, 4-pin, without bracket, 12V</b></p> <p><b>with bracket, 12V</b></p>
			4RA 003 510-261 4RA 003 510-267  4RA 003 510-131 4RA 003 510-137 4RA 003 510-141	1 288  1 196 1	<p><b>With two "87" connections.</b> Max. load (at +80 °C) 40A at 12V, 30A at 24V. Ideal for switching pairs of consumers, e.g. auxiliary lamps.</p> <p><b>Normally-open relay, 5-pin, with bracket, 12V</b></p> <p><b>without bracket, 12V</b></p> <p><b>without bracket, 24V</b></p>
			4RA 940 010-671 4RA 940 010-677	1 288	<p><b>With diode.</b> Inductive interference-voltage spikes prevented by diode. Positive potential to flat-plug 86.</p> <p><b>With bracket, 12V</b></p>
			4RA 940 010-741	1	<p><b>Without diode.</b></p> <p><b>Normally-open relay, 5-pin, with bracket, 12V</b></p>


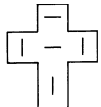

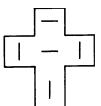

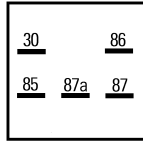

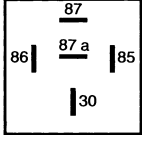

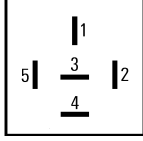

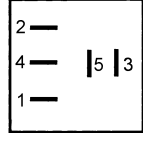

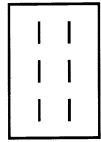

		Part no.	Pk.	Change-over relays (mini-relays)
		4RD 003 520-131	1	With 6.3 mm blade terminal contacts. Max. load (at +80 °C) 40/20A at 12V, 30/15A at 24V.
		4RD 003 520-137	330	
		4RD 003 520-071	1	<b>24V</b>
		4RD 003 520-077	330	
		4RD 003 520-081	1	<b>With bracket, 12V</b>
		4RD 003 520-088	270	
		4RD 003 520-091	1	<b>24V</b>
		4RD 003 520-097	270	
		4RD 007 794-021	1	<b>With resistor.</b> Inductive interference-voltage spikes from the coil limited by resistor in parallel to < 90V. With 6.3 mm blade terminal contacts. Max. load (at +80 °C) 40/20A at 12V and 24V.
		4RD 007 794-027	225	
		4RD 007 903-001	1	<b>24V</b>
		4RD 007 903-007	192	
		4RD 007 794-077	225	<b>as -021, but base plate without ventilation hole</b>
		<b>With bracket, 12V</b>		
		4RD 007 794-031	1	<b>24V</b>
		4RD 007 903-011	1	
		4RD 007 903-017	240	Max. load (at +80 °C) 30A/15A at 24V.
		<b>Change-over relay, 5-pin, without bracket, 24V</b>		
		4RD 003 520-221	1	<b>With diode, without bracket.</b> Inductive interference-voltage spikes prevented by diode. Positive potential to blade terminal 86. Max. load (at +80 °C) 40/20A at 12V, 30/15A at 24V.
		4RD 003 520-227	330	
		4RD 007 794-041	1	<b>Change-over relay, 5-pin, 12V</b>
		4RD 007 794-047	192	
		4RD 003 520-251	1	<b>12V</b>
		4RD 003 520-257	330	
		4RD 007 903-021	1	<b>24V</b>
		4RD 007 903-027	192	
		4RD 003 520-151	1	<b>24V</b>
		4RD 003 520-157	100	
		4RD 003 520-667	1	<b>With bracket and diode, 24V</b>

			Part no.	Pk.	Change-over relays (skirted)
			4RD 960 388-711	1	<b>Change-over relay, 5-pin, without bracket, with resistor in parallel, 12V</b> Splash-proof in conjunction with plug 8JD 745 803-001
			4RD 960 388-681	1	<b>Change-over relay, 5-pin, without bracket, with resistor in parallel, 12V</b> If properly locked into place and free of tensile forces, splash-proof with counter-plug 8JD 745 801-001. Type of protection: IP6K4K/IP6K7.
			4RD 960 388-691	1	<b>Change-over relay, 5-pin, with bracket and resistor in parallel, 12V</b> If properly locked into place and free of tensile forces, splash-proof with counter-plug 8JD 745 801-001. Type of protection: IP6K4K/IP6K7.
			4RD 960 388-221	1	<b>Change-over relay, 5-pin, with bracket and resistor in parallel, 12V</b> Splash-proof in conjunction with plug 8JD 745 803-001
			4RD 931 410-091	1	<b>Change-over relay, 5-pin, without bracket, with resistor in parallel, 12V</b> If properly locked into place and free of tensile forces, splash-proof with counter-plug 8JD 745 802-001. Type of protection: IP6K4K/IP6K7.
			4RD 931 410-087	210	<b>Change-over relay, 5-pin, with bracket and resistor in parallel, 12V</b> If properly locked into place and free of tensile forces, splash-proof with counter-plug 8JD 745 802-001. Type of protection: IP6K4K/IP6K7.
			4RD 960 388-641	1	<b>Change-over relay, 5-pin, with bracket and diode in parallel, 12V</b> Splash-proof in conjunction with plug 8JD 745 803-001
			4RD 930 141-141	1	With 6.3 mm blade terminal contacts. Max. load (at +80 °C) 20/40A at 12V, 10/20A at 24V. <b>Change-over relay, 5-pin, with bracket and diode in parallel, 24V</b> Splash-proof in conjunction with plug 8JD 745 803-001



	Part no.	Pk.	<p><b>High-performance normally-open relays (mini-relays)</b></p> <p><b>Without fuse.</b> With two 6.3 mm and two 9.5 mm blade terminal contacts (terminals 30 and 87). Max. load (at + 80 °C) 70A at 12V, 60A at 24V.</p> <p><b>Normally-open relay, 4-pin, with bracket, 12V</b></p> <p><b>24V</b></p> <p><b>without bracket, 12V</b></p> <p><b>24V</b></p> <hr/> <p><b>Normally-open relay (mini-relays) for use as battery disconnect relay</b></p> <p><b>With extra diodes (freewheeling and blocking diode). With holder, without fuse.</b> With two 6.3 mm and two 9.5 mm blade terminal contacts (terminal 30 and 87). Max. load (at + 80 °C) 60A at 12V.</p> <p><b>Battery disconnect relay, 4-pin, 12V</b></p>
  	<p>4RA 003 437-081</p> <p>4RA 003 437-087</p> <p>4RA 003 437-091</p> <p>4RA 003 437-097</p> <p>4RA 003 437-111</p> <p>4RA 003 437-121</p>	<p>1</p> <p>100</p> <p>1</p> <p>100</p> <p>1</p> <p>1</p>	<p><b>Normally-open relay (mini-relays) for use as battery disconnect relay</b></p> <p><b>With extra diodes (freewheeling and blocking diode). With holder, without fuse.</b> With two 6.3 mm and two 9.5 mm blade terminal contacts (terminal 30 and 87). Max. load (at + 80 °C) 60A at 12V.</p> <p><b>Battery disconnect relay, 4-pin, 12V</b></p>
     	<p>4RA 007 813-011</p> <p>4RA 007 813-021</p> <hr/> <p>4RD 007 814-011</p> <p>4RD 007 814-017</p> <p>4RD 007 814-031</p>	<p>1</p> <p>1</p> <hr/> <p>1</p> <p>117</p> <p>1</p>	<p><b>Normally-open relays (micro-relays)</b></p> <p><b>With parallel resistor.</b> With two 4.8 mm and two 6.3 mm blade terminal contacts (terminals 3 and 5). Max. load (at + 80 °C) 20A at 12V. Type of protection: IP5K4K.</p> <p><b>Relay, 4-pin, without bracket, 12V</b></p> <p><b>with bracket, 12V</b></p> <hr/> <p><b>Change-over relays (micro-relays)</b></p> <p><b>With resistor in parallel.</b> With three 4.8 mm and two 6.3 mm blade terminal contacts (terminals 3 and 5). Max. load (at + 80 °C) 20/10A at 12V. Type of protection: IP5K4K.</p> <p><b>Change-over relay, 5-pin, without bracket, 12V</b></p> <p><b>with bracket, 12V</b></p>

	Part no.	Pk.	<p><b>Normally-open relays (Solid-state relays)</b></p> <p><b>Solid-state relays are modern semi-conductor switches. Hella satisfies the increasing trend of controlling loads (e.g. fan motors, glow plugs, headlamps and heaters) with power regulation.</b></p> <p><b>Solid-state relays in detail:</b></p> <ul style="list-style-type: none"> <li>- Semi-conductor relays, suitable for resistive loads, lamp loads and inductive loads.</li> <li>- Pulse width modulation allows regulation of the power for the loads.</li> <li>- Maximum switching reliability, particularly suited for switching functions relevant for safety.</li> <li>- Compatible with conventional ISO-mini relays in terms of overall size and plug pattern.</li> <li>- Silent switching, e.g. in passenger compartment.</li> <li>- Resistant to short-circuit and overload.</li> <li>- Protected against polarity reversal and earth disconnection.</li> <li>- Shock and vibration-resistant.</li> <li>- Water-proof, potted design.</li> <li>- Protected against overheating.</li> <li>- Low quiescent current.</li> <li>- Max. load (at +85 °C) 22A at 12V.</li> <li>- Type of protection: IP 67.</li> </ul> <p><b>Note:</b> on solid-state relays terminal 85 must be connected permanently to earth to ensure proper function over terminal 86.</p>
  	4RA 007 865-031	1	<p><b>Solid-state relay, 12V, 25(105)°C, 18(12)A, 6(12)mOhm</b></p>
 	8JA 715 606-001	1	<p><b>Sockets for relays</b></p> <p><b>For built-in or external fitting</b></p> <p><b>For mini-relays. With SAE terminal arrangement.</b> For receiving five 6.3 mm blade terminal connectors. Made of black plastic.</p> <p><b>Socket, 5-pole</b></p>
 	8JA 003 526-001 8JA 003 526-002	5 50	<p><b>For mini-relays. With SAE terminal arrangement.</b> For receiving five 6.3 mm and four 2.8 mm blade terminal connectors. Made of black plastic.</p> <p><b>Socket, 9-pole</b></p>
 	8JD 733 767-001	5	<p><b>For micro-relays. With SAE terminal arrangement.</b> For receiving three 4.8 mm and two 6.3 mm blade terminal connectors. Made of black plastic.</p> <p><b>Socket, 5-pole</b></p>

	Part no.	Pk.	For circuit boards
 	8JA 717 291-007	1	<b>For mini-relays.</b> <b>With SAE terminal arrangement.</b> For receiving five 6.3 mm blade terminal connectors. Made of black plastic.  <b>Socket, 5-pole</b>
 	8JD 733 963-001	5	<b>For mini-relays.</b> <b>With SAE terminal arrangement.</b> For receiving five 6.3 mm blade terminal connectors. Made of black plastic.  <b>Socket, 5-pole</b>
 	8JD 745 802-001	1	<b>For waterproof mini-relays</b> <b>4RD 931 410-087/-091</b> <b>pin arrangement D.</b> Connecting lead 30 cm, 48 cm.  <b>Socket, 5-pole</b>
 	8JD 745 801-001	1	<b>For waterproof ISO mini-relays</b> <b>4RD 960 388-681/-691</b> <b>with pin arrangement B1.</b> Connecting lead 30 cm, 48 cm.  <b>Socket, 5-pole</b>
 	8JD 745 803-001	1	<b>For waterproof ISO mini-relays</b> <b>4RD 960 388-221/-711 and 4RD 930 141-141</b> <b>with pin arrangement B1.</b> Connecting lead 30 cm, 48 cm.  <b>Socket, 5-pole</b>
 	8JD 733 962-001	5	<b>For micro-relays.</b> <b>With SAE terminal arrangement.</b> For receiving three 4.8 mm and two 6.3 mm blade terminal connectors. Made of black plastic.  <b>Socket, 5-pole</b>
 	9NH 701 230-001	10	<b>For flasher units</b>  For receiving six 6.3 mm blade terminal connectors. Made of black plastic.  <b>Socket, 6-pole</b>
	9KB 710 131-001	10	<b>Retaining spring for relays</b>  For mounting mini-relays.  <b>Retaining spring</b>



# Relays, Wiping Interval

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# Relays, Wiping Interval

## Alfa Romeo - Mitsubishi



2

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
<b>Alfa Romeo</b>				<b>Audi</b>			
75	05/85->02/92	5WG 003 620-021	1	Convertible (8G7, B4) from chassis no. 8G-W-000 001	05/97->08/00	5WG 009 101-111 with relay code 602, 603, 377, 378, 389	1
<b>Audi</b>				Coupé	09/91->12/95	5WG 003 620-021	1
A2 (8Z0)	02/00->	5WG 009 101-111 with relay code 602, 603	1	TT (8N3)	10/98->	5WG 009 101-141 Vehicle without headlight cleaning unit	1
A3 (8L1)	09/96->05/03	5WG 009 101-111 with relay code 602, 603, 377, 378, 389	1	TT Roadster (8N9)	10/99->		
A4 (8D2, B5)	11/94->05/97	5WG 003 620-021	1	TT (8N3)	10/98->	5WG 009 101-111 with relay code 602, 603, 377, 378, 389	1
A4 Avant (8D5, B5)	07/95->09/01			TT Roadster (8N9)	10/99->		
A4 (8D2, B5)	06/97->11/00	5WG 009 101-141 Vehicle without headlight cleaning unit	1	80	08/72->07/95	5WG 003 620-021	1
A4 Avant (8D5, B5)	07/95->09/01			90	10/84->08/91		
A4 (8D2, B5)	08/97->11/00	5WG 009 101-111 with relay code 602, 603, 377, 378, 389	1	100	08/76->05/94		
A4 Avant (8D5, B5)	07/95->09/01			200	09/79->11/90		
chassis no. 4D-W-000 001 -> 8D-1-200 000				<b>Citroën</b>			
RS4 Avant quattro	05/00->09/01			Berlingo	10/96->	5WG 003 620-021	1
A6 (4A, C4)	06/94->02/97	5WG 003 620-021	1	BX	04/83->		
A6 Avant (4A, C4)	06/94->12/97			CX	09/74->11/89		
A6 (4B, C5)	01/97->	5WG 009 101-141 Vehicle without headlight cleaning unit	1	C15	10/84->	5WG 009 134-051	1
A6 Avant (4B, C5)	12/97->			Visa	01/84->12/88		
A6 (4B, C5)	01/97->01/05	5WG 009 101-111 with relay code 602, 603, 377, 378, 389	1	Xantia	03/93->	5WG 003 620-021	1
A6 Avant (4B, C5)	12/97->12/05			XM	12/89->		
up to chassis no. 4B-5-050 000				ZX	10/91->		
RS6 Avant quattro	07/02->			<b>Ford</b>			
Allroad (4BH) up to chassis no. 4B-6-007 000	05/00->12/05	5WG 009 101-111 with relay code 602, 603, 377, 378, 389	1	Galaxy	06/95->09/97	5WG 003 620-021	1
A8 (4D2, 4D8) from chassis no. 4D-W-000 001	08/97->09/02	5WG 009 101-111 with relay code 602, 603, 377, 378, 389	1	<b>Mercedes-Benz</b>			
A8/S8 quattro (4D2, 4D8) chassis no. 4D-W-000 001 -> 4D-3-004 999	08/97->09/02			207 D - 410 (T1, TN-series)	05/77->	5WG 002 450-221	1
Convertible (8G7, B4)	05/97->08/00	5WG 009 101-141 Vehicle without headlight cleaning unit	1	<b>Mitsubishi</b>			
				Carisma	01/95->	5WG 009 101-101 Rear window intermittent wash-wipe control unit	1
						8PD 009 135-001 Adapter for vehicle without intermittent function	1



# Relays, Wiping Interval

## Opel - Volkswagen



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
<b>Opel</b>				<b>Seat</b>			
Ascona C	09/81->09/88	5WG 003 620-021	1	Arosa (6H)	05/97->	5WG 003 620-021	1
Astra F	09/91->			Cordoba (6K2/C2)	02/93->06/99		
Calibra	06/90->07/97			Cordoba (6K2)	06/99->10/02		
Corsa A	03/83->02/93			Ibiza I (021A)	06/84->12/93		
Corsa B	03/93->			Ibiza II (6K1)	03/93->08/99		
Kadett C	08/73->07/79			Ibiza III (6K1)	08/99->02/02		
Kadett D	08/79->09/84			Inca (6K9)	08/97->		
Kadett E	10/84->08/91			Leon (1M1)	11/99->09/05	5WG 009 101-111 with relay code 603, 377, 378, 389	1
Omega A	10/86->02/94			Toledo I (1L)	01/91->03/99	5WG 003 620-021	1
Senator A	08/87->08/93			Toledo II (1M2)	04/99->10/04	5WG 009 101-111 with relay code 603, 377, 378, 389	1
Tigra	11/94->						
Vectra A	10/88->09/95						
<b>Peugeot</b>				<b>Skoda</b>			
106	01/92->04/96	5WG 003 620-021	1	Favorit	03/89->	5WG 003 620-021	1
205	02/83->			Felicia	10/94->	5WG 003 620-021	1
306	01/93->			Octavia (1U2)	09/96->03	5WG 009 101-111 with relay code 603, 377, 378, 389	1
309	03/86->			Octavia Combi (1U5)	07/98->03		
405	07/87->09/96			Superb (3U4)	02/02->06	5WG 009 101-111 with relay code 603, 377, 378, 389	1
406	10/96->						
505	01/79->12/93	5WG 009 134-051	1				
806	02/95->	5WG 003 620-021	1				
<b>Renault</b>				<b>Vauxhall</b>			
Espace	01/85->	5WG 009 101-051 Height 30 mm	1	Vectra	10/88->09/95	5WG 003 620-021	1
Kangoo	03/98->	alternatively: 5WG 003 620-021	1				
Laguna	04/94->	Height 42 mm					
Safrane	01/93->						
Twingo	06/93->						
Master	01/85->12/97						
<b>Saab</b>				<b>Volkswagen</b>			
90	08/84->07/87	5WG 003 620-021	1	Bora (1J2)	10/98->05	5WG 009 101-111 with relay code 603, 377, 378, 389	1
900	10/78->08/93			Bora Estate (1J2)	05/99->05		
9000	05/85->			Corrado (53I)	09/88->12/95	5WG 003 620-021	1
				Derby (86)	02/77->09/81		
				Derby (86C, 80)	08/81->12/84		
				Golf I (17)	08/77->12/85		
				Golf II (19E, 1G1)	08/83->12/92		
				Golf III (1H1)	08/91->08/97		
				Golf III Estate (1H5)	07/93->04/99		
				Golf IV (1J1)	08/97->	5WG 009 101-111 with relay code 603, 377, 378, 389	1
				Golf IV Estate (1J5)	05/99->		
<b>Seat</b>							
Alhambra (7V8, 7V9)	04/96->09/97	5WG 003 620-021	1				



# Relays, Wiping Interval

## Volkswagen - Volvo



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
<b>Volkswagen</b>				<b>Volvo</b>			
Jetta I (17)	08/79->01/85	5WG 003 620-021	1	440, 460	09/88->	5WG 009 101-161 Height 30 mm alternatively: 5WG 003 620-021 Height 42 mm	1
Jetta II (19E, 1G2)	01/84->12/92						1
New Beetle (9C1, 1C1)	01/98->12/01	5WG 009 101-111 with relay code 603, 377, 378, 389	1	480	04/86->	5WG 003 620-021	1
New Beetle Convertible (1Y7)	01/03->06	5WG 009 101-111 with relay code 602, 603	1	800	08/90->		
Passat (32)	08/75->07/80	5WG 003 620-021	1				
Passat Estate (33)	08/75->10/81						
Passat (32B)	08/80->12/88						
Passat Estate (32B)	08/80->06/89						
Passat (3A2, 35I)	02/88->08/96						
Passat Estate (3A5, 35I)	02/88->05/97						
Passat (3B2)	08/96->08/97						
Passat Variant (3B5)	06/97->08/97						
Passat (3B2)	09/97->11/00	5WG 009 101-111 with relay code 602, 603, 377, 378, 389 (2WD)	1				
Passat Estate 3B5)	09/97->11/00						
from chassis no. 3B-W-140 001							
Passat (3B3)	11/00->03/05	with relay code 603, 377, 378, 389 (4WD)					
Passat Estate (3B6)	11/00->08/05						
Polo I, II, III	08/76->09/01	5WG 003 620-021	1				
Polo III Classic	11/95->09/01						
Polo Estate	04/97->09/01						
Santana	09/81->01/85						
Scirocco I, II	08/75->09/92						
Sharan	05/95->09/97	5WG 003 620-021	1				
Vento	01/92->10/98	5WG 003 620-021	1				
Transporter (T4) California, Caravelle, Multivan, Transporter	09/90->	5WG 003 620-021	1				
<b>Volvo</b>							
S70	02/97->	5WG 003 620-021	1				
V40	04/96->12/98						
V70	02/97->						
340	07/76->12/91						
360	08/81->07/90						



# Relays, Wiping Interval

## Bova - Steyr



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
<b>Bova</b>				<b>Mercedes-Benz</b>			
Europa		5WG 002 450-191 24V	1	507 D - 814 D (T2, LN1-series)	01/86->	5WG 002 450-141 12V	1
<b>Delta Plan</b>						5WG 002 450-151 24V	1
various models		5WG 002 450-191 24V	1	709 - 1524 (LK, LN2-series)	03/84->	5WG 002 450-151 24V	1
<b>Iveco</b>						5WG 002 450-141 12V	1
180-24 - 240-38, 256 M - 320 M (T-series)	05/78->	5WG 002 450-181 24V	1	1013 - 3850 (New generation)	08/73->08/88	5WG 002 450-151 24V	1
<b>MAN</b>				<b>Scania</b>			
11.136 - 38.320	09/76->	5WG 004 861-011 24V	1	G 82 - T 142 (series 2)	07/80->12/87	5WG 002 450-191 24V	1
		Spare Parts: 4RD 003 520-071 Relay	1	G 83 - T 143 (series 3)	01/88->		
12.136 - 48.321 (F8, F9-series)	01/80->	5WG 004 861-011 24V	1	<b>Steyr</b>			
		Spare Parts: 4RD 003 520-071 Relay	1	6 S - 17 S	01/86->	5WG 002 450-191 24V	1
<b>Mercedes-Benz</b>				19 S - 40 S	10/87->		
L 406 D - L 613 D	11/76->12/85	5WG 002 450-141 12V	1	791 - 1491	04/78->09/87		
		5WG 002 450-151 24V 09/82->	1				
L 710 - L 1819 (Cab-behind-engine vehicles)	64->	5WG 002 450-141 12V	1				
L 1518 - L 2624	01/66->12/74	5WG 002 450-151 24V	1				
LP 608 - LP 913 (LP-series)	10/69->10/77	5WG 002 450-141 12V	1				
LP 709 - LP 1113 (LP-series)	11/77->	5WG 002 450-141 12V	1				
O 309, O 309 D	11/76->12/88	5WG 002 450-141 12V	1				
		5WG 002 450-151 24V 09/82->	1				
O 405 O 405 VÖV II O 407	01/84->	5WG 002 450-151 24V	1				



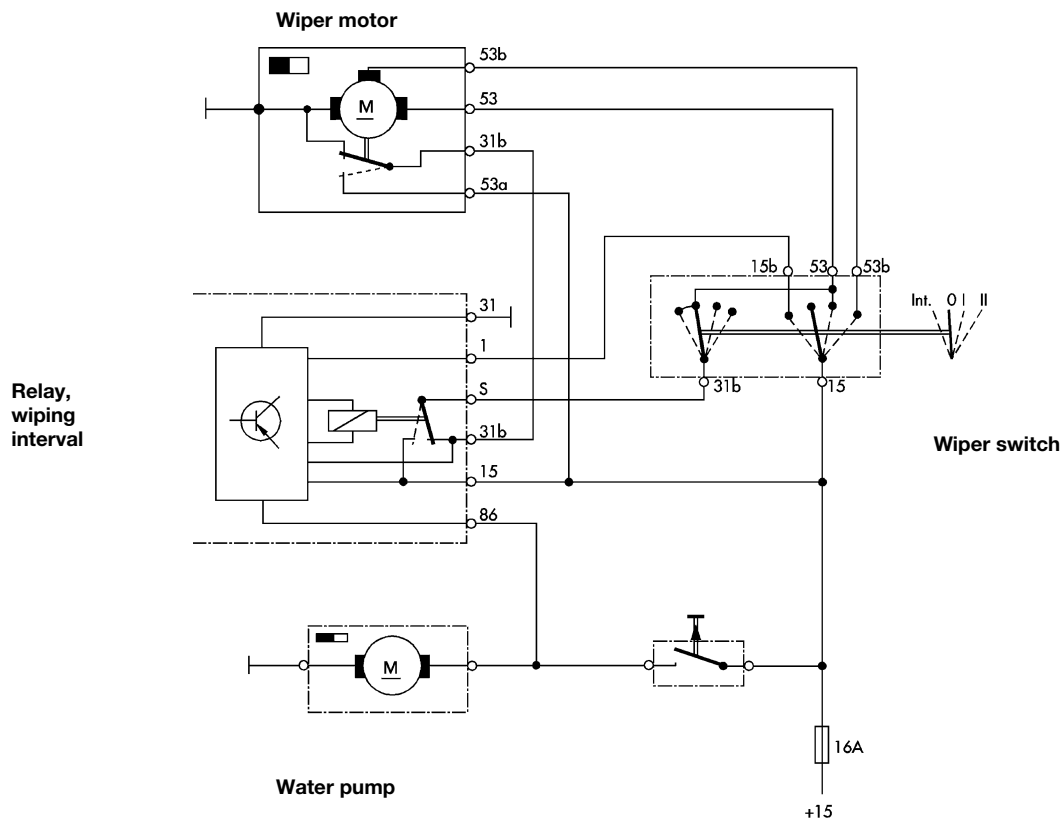
**Technical data:**

	5WG 003 620-02	5WG 002 450-14	5WG 002 450-15
Nominal voltage	12V	12V	24V
Operating temperature	- 20 °C ... + 60 °C	- 25 °C ... + 70 °C	- 25 °C ... + 70 °C
Cutoffdelay (wipe dry) 15 s delay between 2 washing cycles	4.75 s ± 1.25 s at 10V ... 15V and - 10 °C ... + 60 °C	+ 22 °C ± 3 °C	room temperature
Interval delay time	5.5 s ± 1.5 s at 10V ... 15V and - 10 °C ... + 60 °C	5 s ± 1 s at 13V + 22 °C ± 3 °C	5 s ± 1 s at 26V and room temperature
Rated current load of power circuit	12V wiper motor set at I = 5A	12V wiper motor set at I = 5A	24V wiper motor set at I = 3,5A

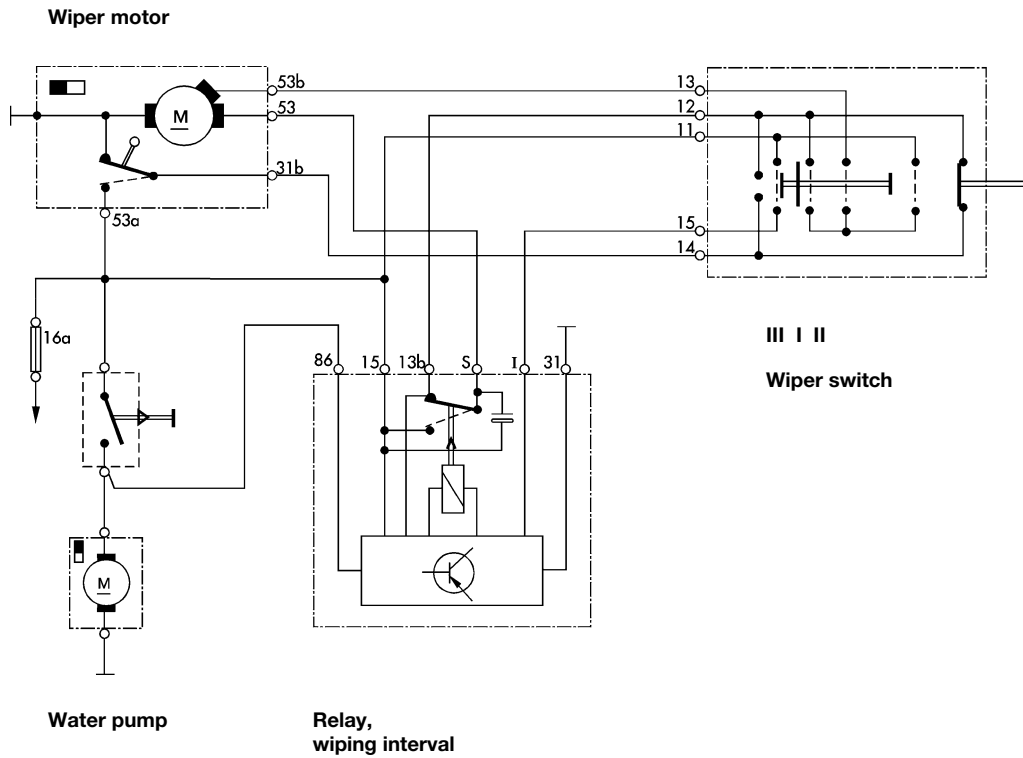
**Test duration of wiper-washer operation**

30.000 switching operations at 3 cycles per minute  
250 h continuous interval wiping combined with wash-wiper cycle, 1 wash impulse per minute

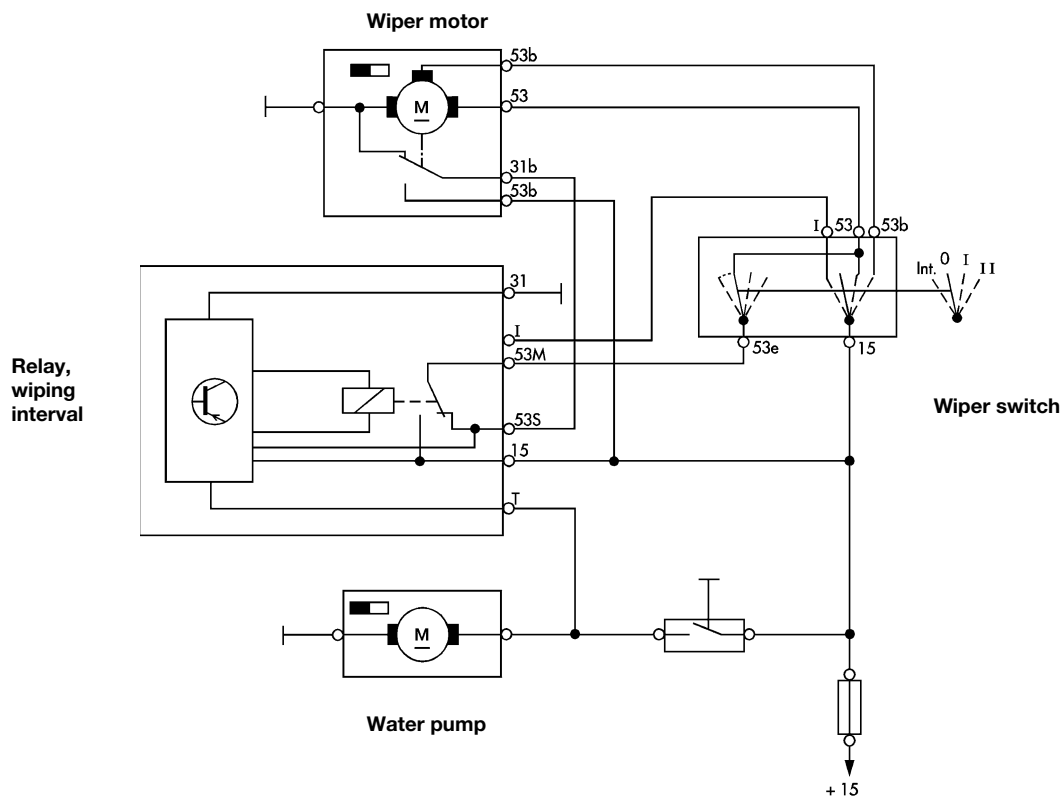
**5WG 003 620-02**



5WG 002 450-15




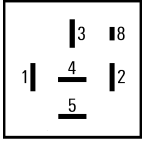

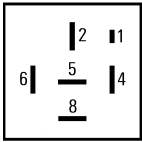

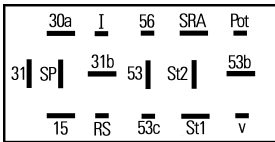

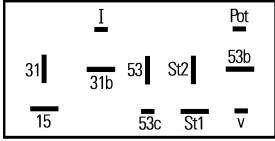

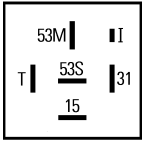
5WG 002 450-14



	<b>Part no.</b>  <b>5WA 001 871-041</b> <b>5WA 001 871-051</b>	<b>Pk.</b> <b>Switches, wiping interval</b>  The intermittent switch automatically stops/starts the windscreen wiper at regular intervals, 2-20 times per minute.  For windscreen and rear window wipers, for positive and negative-earth vehicles. With installation material.  <b>Switch, wiping interval, 5-pin, 12V</b> <b>24V</b>
	<b>5WG 003 620-021</b> <b>5WG 003 620-027</b>	<b>Relays, wiping interval for windscreen</b>  <b>Alfa Romeo, Audi, Citroën, Daihatsu, Ford, Mazda, Mercedes-Benz, Mitsubishi, Opel, Peugeot, Porsche, Renault, Rover, Saab, Seat, Subaru, Suzuki, Skoda, Toyota, Volvo, Volkswagen</b>  <b>Dimensions: 30 x 30 x 42 mm.</b>  <b>12V, 6-pin</b>
	<b>5WG 002 450-141</b> <b>5WG 002 450-151</b>	<b>Mercedes-Benz</b>  <b>12V, 6-pin</b> <b>24V, 6-pin</b>
	<b>5WG 002 450-221</b> <b>5WG 002 450-181</b> <b>5WG 002 450-187</b>	<b>Iveco Magirus, Mercedes-Benz</b>  <b>12V, 6-pin</b> <b>24V, 6-pin</b>
	<b>5WG 002 450-191</b> <b>5WG 002 450-197</b>	<b>Bova, Scania, Steyr</b>  <b>24V, 6-pin</b>
	<b>5WG 004 861-011</b>  <b>4RD 003 520-071</b>	<b>MAN</b>  <b>24V, 6-pin, with relay</b>  <b>Spare parts:</b> Relay

# Relays, Wiping Interval



		Part no.	Pk.	Relays, wiping interval
		5WG 009 101-051	1	<b>Renault</b> 12V, 6-pin
		5WG 009 101-101 8PD 009 135-001	1	<b>Mitsubishi</b> For rear window, for vehicles with intermittent function, 12V, 6-pin  <b>Adapter</b> for vehicles without intermittent function
		5WG 009 101-111	1	<b>Audi, Volkswagen</b> 12V, 16-pin
		5WG 009 101-141	1	<b>Audi, Volkswagen</b> 12V, 16-pin
		5WG 009 101-161	1	<b>Volvo</b> 12V, 6-pin



# Relay, Wiping Interval

		Part no.	Pk.	Relay, wiping interval
		5WG 009 134-001	1	24V, 6-pin



# Relays, Headlight Cleaning

## Citroën - Volkswagen



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
<b>Citroën</b>				<b>Volkswagen</b>			
ZX	01/91->12/97	5WD 009 131-001	1	Passat up to chassis no. 32-J-299 999	06/81->07/88	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1
<b>Fiat</b>				Passat	06/88->07/97	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1
Croma	01/91->12/96	5WD 005 052-001	1	Passat up to chassis no. 3A-V-300 000	06/85->07/97	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1
Fiorino	05/88->	5WD 005 052-001	1	Passat Syncro	06/85->07/97	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1
Panda	01/86->	5WD 005 052-001	1	Polo II	06/82->09/94	5WD 003 784-041	1
Punto	09/93->	5WD 005 052-011	1	Polo III up to chassis no. 6N-WY-000 158, 6N-WW-001 001	10/94->07/95	5WD 003 784-041	1
Uno	08/83->12/93	5WD 005 052-001	1	Polo III	06/95->	5WD 003 784-041	1
<b>Peugeot</b>				Polo III Classic, Estate	06/96->	5WD 003 784-041	1
Partner	01/96->	5WD 009 131-001	1	Santana up to chassis no. 32-J-299 999	06/81->01/85	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1
<b>Seat</b>				Scirocco II	06/84->07/92	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1
Alhambra	06/96->	5WD 003 784-041	1	Sharan	06/96->	5WD 003 784-041	1
<b>Volkswagen</b>				Vento	06/92->10/98	5WD 003 784-041	1
Caddy II Van	06/97->	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1	LT II, 4x4	06/97->	5WD 005 674-081 for telescopic nozzles	1
Corrado	06/89->07/95	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1				
Derby II	06/82->01/85	5WD 003 784-041	1				
Golf I Convertible	06/84->07/93	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1				
Golf II	06/85->07/92	5WD 003 784-041 5WD 005 674-081 for telescopic nozzles	1 1				
Golf III	09/91->07/98	5WD 003 784-041	1				
Golf III Convertible	06/93->	5WD 005 674-081 for telescopic nozzles	1				
Golf III Estate	06/94->04/99	5WD 005 674-081 for telescopic nozzles	1				
Jetta II	06/84->06/89	5WD 003 784-041	1				
Jetta II from chassis no. 1G-K-000 001	07/89->07/92	5WD 003 784-041	1				



# Relays, Headlight Cleaning


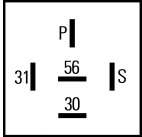
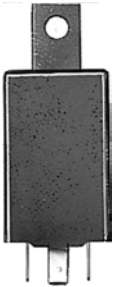
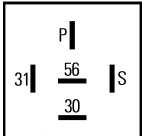

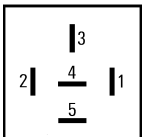

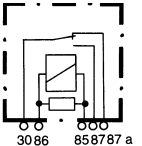
Iveco - Renault Trucks



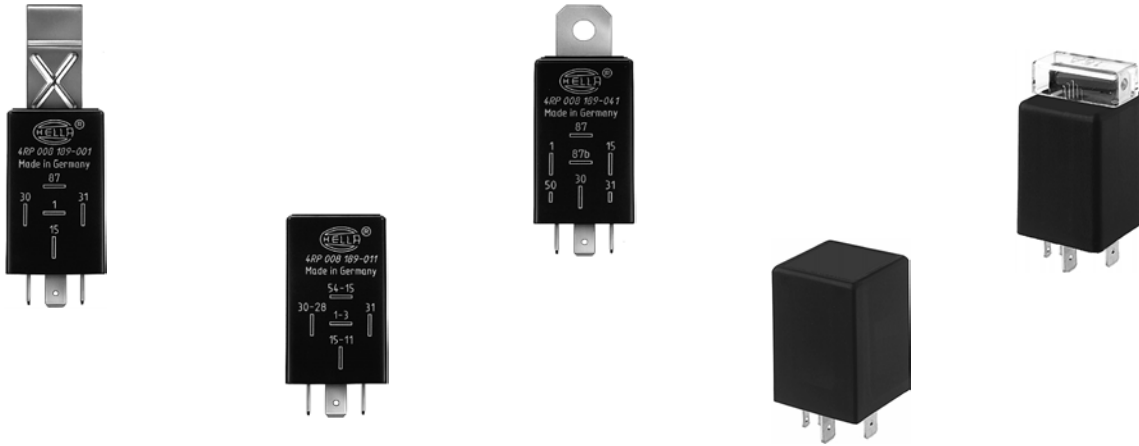
Manufacturer Model	Model year	Part no.	Pk.
<b>Iveco</b>			
various models		5WD 005 674-041 for telescopic nozzles 24V	1
<b>Mercedes-Benz</b>			
Actros	10/96->10/02	5WD 005 674-041 24V	1
Actros MP2	10/02->	5WD 005 674-041 24V	1
Axor	09/01->04	5WD 005 674-041 24V	1
<b>Renault Trucks</b>			
Kerax	06/97->	5WD 003 547-051 24V	1
Premium	04/96->	5WD 003 547-051 24V	1

# Relays, Headlight Cleaning Relays, Lock System



 	Part no.	Pk.	<b>Relays, headlight cleaning</b>
	5WD 003 784-041	1	Ford, Seat, Volkswagen 12V, 5-pin
	5WD 005 052-001	1	Fiat 12V, 5-pin
	5WD 005 052-011	1	Fiat 12V, 5-pin
	5WD 005 674-041	1	Delta Plan, Mercedes-Benz 24V, 5-pin
 	5WD 005 674-081	1	Volkswagen 12V, 5-pin
	5WD 003 547-051	1	Delta Plan, Renault V.I. 24V, 5-pin
	5WD 009 131-001	1	Citroën, Peugeot 12V, 5-pin
 	4RA 009 120-001	1	<b>Relays, lock system</b> <b>BMW</b> Z3 10/95->09/98 3 series (E36) 12/90->09/98 7 series (E38) 10/94->09/98  Relays, lock system, 12V, 5-pin Four 6.3 mm blade terminal contacts One 2.8 mm blade terminal contact
 	4RD 004 122-011	1	<b>Mercedes-Benz</b> C 180 - C 280 T 03/93->03/01 E 200 - E 430 T 06/95->03/03 S 280 - S 600 03/91->10/98 SL 09/85->10/01 190 10/82->08/93 200 - 300 TD 02/76->12/85 200 - 500 E 12/84->06/93 280 S - 450 SEL 10/72->12/79 260 SE - 500 SEL 10/79->06/91  Relays, 12V, 5-pin





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# Relays, Fuel Pump

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Manufacturer Model Vehicle type	Model year	Part no.	Note
<b>Alfa Romeo</b>			
<b>75 (162B)</b>	<b>05/85-&gt;02/92</b>		
1.8 Turbo i.e. (162.B1E) (🚗 AR 06158)		4RP 008 189-111	
<b>Audi</b>			
<b>80 (81, 85, B2)</b>	<b>08/78-&gt;08/86</b>		
1.6 GLE (🚗 YZ, 01/79->09/80); 1.6 (🚗 DT, 08/78->09/80 / 🚗 YP, 08/78->09/80); 2.0 quattro (85Q) (🚗 JS); 2.0 (🚗 JS, HP); 2.2 quattro (85Q) (🚗 KK); 2.2 (🚗 WE)		4RP 008 189-081	
1.8 CC quattro (85Q) (🚗 JN, 05/86->08/86 / 🚗 NE, 05/86->08/86); 1.8 (🚗 DS, 05/86->08/86 / 🚗 JN, 05/86->08/86 / 🚗 SF, 05/86->07/86)		4RP 008 189-061	
1.8 CC quattro (85Q) (🚗 JN, 08/85->05/86 / 🚗 NE, 08/84->05/86); 1.8 (🚗 DS, 01/83->05/86 / 🚗 JN, 08/83->05/86 / 🚗 SF, 02/86->05/86)		4RP 008 189-071	
1.8 GTE quattro (85Q) (🚗 DZ / PV); 1.8 GTE (🚗 DZ / PV)		4RP 008 189-091	
<b>Coupé (81, 85)</b>	<b>07/80-&gt;10/88</b>		
1.8 GT (🚗 DS, JV, 01/85->08/88 / 🚗 DZ, 08/86->08/88 / 🚗 JN / 🚗 PV / 🚗 SF, 04/86->08/88)		4RP 008 189-061	
2.0 (🚗 JS, HP / SK)		4RP 008 189-071	
2.2 quattro (🚗 JT, 08/85->12/87 / 🚗 KV, 10/84->12/87)		4RP 008 189-081	
<b>80 (89, 89Q, 8A, B3)</b>	<b>06/86-&gt;10/91</b>		
1.8 quattro (🚗 SD); 1.8 E quattro (🚗 DZ); 1.8 E (🚗 DZ); 1.8 S quattro (🚗 PM, JN, NE / SF); 1.8 S (🚗 PM, JN, NE / SF); 1.8 (🚗 RU / SD)		4RP 008 189-061	
2.0 quattro (🚗 3A / AAD); 2.0 E quattro (🚗 3A); 2.0 E (🚗 3A); 2.0 (🚗 AAD)		4RP 008 189-081	
<b>Coupé (89, 8B)</b>	<b>10/88-&gt;12/96</b>		
1.8 (🚗 DZ); 2.0 (🚗 AAD, ABK)		4RP 008 189-061	
2.0 20 V quattro (🚗 NM); 2.2 quattro (🚗 KV)		4RP 008 189-071	
<b>90 (81, 85, B2)</b>	<b>10/84-&gt;03/87</b>		
all vehicle types except 1.6 TD		4RP 008 189-081	
<b>90 (89, 89Q, 8A, B3)</b>	<b>04/87-&gt;09/91</b>		
2.0 (🚗 PS)		4RP 008 189-081	
2.2 E quattro (🚗 KV); 2.2 E (🚗 KV)		4RP 008 189-071	
<b>100 (44, 44Q, C3)</b>	<b>08/82-&gt;11/90</b>		
1.8 quattro (🚗 NP, JW, 08/87->12/87 / 🚗 SH, 08/87->12/87); 1.8 (🚗 DR, RS, 08/82->08/86 / 🚗 DS, NP, JW, 08/83->08/86 / 🚗 SH, 02/86->08/86)		4RP 008 189-061	
1.8 quattro (🚗 NP, JW, 10/84->07/87 / 🚗 SH, 08/86->07/87); 1.8 (🚗 DR, RS, 08/86->12/87 / 🚗 DS, NP, JW, 08/86->07/89 / 🚗 SH, 08/86->07/88); 2.0 (🚗 KP / SL); 2.1 (🚗 WC)		4RP 008 189-071	
2.0 KAT (🚗 RT); 2.2 KAT (🚗 KU); 2.2 quattro KAT (🚗 KU); 2.2 quattro (🚗 KU); 2.2 E quattro (🚗 PX); 2.2 (🚗 KU / KZ)		4RP 008 189-081	
<b>100 Avant (44, 44Q, C3)</b>	<b>08/82-&gt;11/90</b>		
1.8 quattro KAT (🚗 PH, 4B, 08/85->07/88); 1.8 quattro (🚗 NP, JW, 01/88->07/88 / 🚗 SH, 01/88->07/88); 1.8 (🚗 DR, RS, 08/82->08/86 / 🚗 NP, JW, 08/83->08/86 / 🚗 SH, 02/86->08/86)		4RP 008 189-061	
1.8 (🚗 DR, RS, 08/86->12/87 / 🚗 NP, JW, 08/86->07/87 / 🚗 SH, 08/86->07/87); 2.0 E (🚗 KP); 2.1 (🚗 WC)		4RP 008 189-071	
2.0 E KAT (🚗 RT); 2.0 (🚗 SL); 2.2 KAT (🚗 KU); 2.2 quattro KAT (🚗 KU); 2.2 quattro (🚗 KU); 2.2 E quattro (🚗 PX); 2.2 (🚗 KU / KZ)		4RP 008 189-081	
<b>200 (44, 44Q)</b>	<b>06/83-&gt;12/91</b>		
2.1 5 E (🚗 WC); 2.1 Turbo quattro (🚗 KG); 2.1 Turbo (🚗 KG); 2.2 (🚗 KU)		4RP 008 189-081	
<b>200 Avant (44, 44Q)</b>	<b>09/83-&gt;12/91</b>		
2.1 Turbo quattro (🚗 KG)		4RP 008 189-081	
<b>BMW</b>			
<b>3 (E30)</b>	<b>09/82-&gt;01/92</b>		
315 (🚗 M 10 B 16 (1B2)); 316 (Ecotronic) (🚗 M 10 B 18 (2BE)); 316 i 1.8 (🚗 M 10 B 18 (L-Jetronic, Kat.)); 316 i (🚗 M 40 B 16 / M 40 B 16 (Kat.)); 316 (🚗 M 10 B 18 (2B4)); 318 i (🚗 M 10 B 18 (K-Jetronic), 01/83->12/84 / 🚗 M 10 B 18 (L-Jetronic), M 10 B 18 (L-Jetronic, Kat.) / 🚗 M 40 B 18 / 🚗 M 40 B 18 (Kat.)); 318 is (🚗 M 42 B 18); 323 i (🚗 M 20 B 23 (L-Jetronic)); 324 d (🚗 M 21 D 24 W); 324 td (🚗 M 21 D 24 WA); M3 2.3 (🚗 S 14 B 23)		4RP 008 189-141	



# Relays, Fuel Pump

## BMW - Fiat



Manufacturer Model Vehicle type	Model year	Part no.	Note
<b>BMW</b>			
<b>3 (E30)</b>	<b>09/82-&gt;01/92</b>		
318 i (M 10 B 18 (L-Jetronic), M 10 B 18 (L-Jetronic,Kat.), 12/84->08/87); 320 i; M3 2.3 (S 14 B 23, 02/87->06/91); M3 EVO I 2.3 (S 14 B 23 (EVO I)); M3 EVO II 2.5 (S 14 B 25 (EVO II), 01/90->06/91)		4RP 009 118-031	
318 i (M 10 B 18 (K-Jetronic));		4RP 008 189-141	
320 i (M 20 B 20 (L-Jetronic) / M 20 B 20 (Motronic,Kat.), M 20 B 20 (L-Jetronic));		4RP 009 118-031	
325 e 2.7 (M 20 B 27 / M 20 B 27 (Kat)); 325 i X (M 20 B 25 / M 20 B 25 (Kat.));			
325 i (M 20 B 25 / M 20 B 25 (Kat.)); M3 2.3 (S 14 B 23 / S 14 B 23 (Kat))			
<b>3 Touring (E30)</b>	<b>07/87-&gt;06/94</b>		
320 i (M 20 B 20 (Motronic,Kat.)); 325 i X (M 20 B 25 (Kat.)); 325 i (M 20 B 25 (Kat.))		4RP 009 118-031	
<b>3 Convertible (E30)</b>	<b>12/85-&gt;10/93</b>		
320 i (M 20 B 20 (Motronic,Kat.))		4RP 008 189-141	
		4RP 009 118-031	
325 i (M 20 B 25 / M 20 B 25 (Kat.)); M3 2.3 (S 14 B 23)		4RP 009 118-031	
<b>5 (E28)</b>	<b>06/80-&gt;06/90</b>		
518 i (M 10 B 18 (L-Jetronic));		4RP 009 118-031	
520 i (M 20 B 20 (K-Jetronic), M 20 B 20 (L-Jetronic) / M 20 B 20 (Motronic,Kat.))			
<b>6 (E24)</b>	<b>04/76-&gt;09/90</b>		
all vehicle types		4RP 009 118-031	
<b>7 (E23)</b>	<b>05/77-&gt;08/86</b>		
all vehicle types		4RP 009 118-031	
<b>Z1</b>	<b>06/88-&gt;06/91</b>		
2.5 (M 20 B 25 (Kat.))		4RP 009 118-031	
<b>Citroën</b>			
<b>CX II</b>	<b>07/85-&gt;12/92</b>		
25 GTi Turbo 2 (M25-662 / M25-667); 25 GTi (M25-668); 25 TRI (M25-659)		4RP 008 189-111	
<b>CX II Break</b>	<b>07/85-&gt;12/92</b>		
25 i (M25-668); 25 TRI (M25-659)		4RP 008 189-111	
<b>XM (Y3)</b>	<b>05/89-&gt;06/94</b>		
2.0 i Turbo (RGY (XU10J2TE/Z)); 2.0 i (RFZ (XU10J2)); 2.0		4RP 008 189-121	
<b>XM Break (Y3)</b>	<b>11/91-&gt;04/94</b>		
2.0 i (Y3A) (RDZ (XU10MZ), XU102C); 2.0 i (RFZ (XU10J2));		4RP 008 189-121	
2.0 Turbo (RGY (XU10J2TE/Z))			
<b>XM (Y4)</b>	<b>05/94-&gt;10/00</b>		
2.0 i 16V (RFV (XU10J4R)); 2.0 Turbo (RGX (XU10J2TE))		4RP 008 189-121	
<b>XM Break (Y4)</b>	<b>05/94-&gt;10/00</b>		
2.0 i 16V (RFV (XU10J4R)); 2.0 Turbo (RGY (XU10J2TE/Z), RGX (XU10J2TE))		4RP 008 189-121	
<b>Ferrari</b>			
<b>Mondial</b>	<b>07/80-&gt;12/93</b>		
all vehicle types		4RP 008 189-111	
<b>Mondial Convertible</b>	<b>03/84-&gt;12/93</b>		
all vehicle types		4RP 008 189-111	
<b>Fiat</b>			
<b>Croma (154)</b>	<b>12/85-&gt;12/96</b>		
2000 16V (154 E1.000); 2000 CHT (154.AC) (154 A1.000);		4RP 008 189-111	
2000 i.e. (154.AD) (834 B.000, 154 C3.000); 2000 i.e. (154.AM) (834 B.048);			
2000 i.e. (154.AM, 154.LM) (154 C3.046, 834 B.146);			
2000 i.e. Turbo (154.AM) (154 A2.000);			
2000 i.e. Turbo (154.AM, 154.LM) (154 C4.046, 834 C.146); 2000 i.e. Turbo (834 C.146)			
<b>Uno (146A/E)</b>	<b>01/83-&gt;</b>		
1.3 Turbo i.e. (146 A2.000 / 146 A2.146 / 146 A2.246); 1.4 Turbo i.e. (146 A8.046)		4RP 008 189-111	



Manufacturer Model Vehicle type	Model year	Part no.	Note
<b>Ford</b>			
<b>Capri III (GECP)</b>	01/78->04/87		
2.8 Super Injection (🚗 PRN)		4RP 008 189-001	
<b>Escort III (GAA)</b>	09/80->07/86		
1.6 RS Turbo (🚗 LNA); 1.6 XR3i (🚗 LRA, LR1); 1.6 (🚗 LPA, LP1)		4RP 008 189-011	
1.6 XR3i (🚗 LRA, LR1, 08/85->12/85)		4RP 008 189-021	
<b>Escort IV (GAF, AWF, ABFT)</b>	10/85->10/90		
1.6 Turbo RS (🚗 LNB); 1.6 XR3i (🚗 LR2, LRB)		4RP 008 189-011	
<b>Escort IV Convertible (ALF)</b>	01/86->07/90		
1.6 XR3i (🚗 LR2, LRB)		4RP 008 189-011	
<b>Escort V (GAL)</b>	07/90->12/92		
1.6 (🚗 LJF / LUK, LUJ); 1.8 16V XR3i (🚗 RDA / RQB)		4RP 008 189-011	
<b>Escort V Estate (GAL, AVL)</b>	07/90->12/92		
1.6 (🚗 LJF / LUK, LUJ); 1.8 16V (🚗 RDA)		4RP 008 189-011	
<b>Escort V Convertible (ALL)</b>	07/90->12/92		
1.6 (🚗 LJF); 1.8 16V XR3i (🚗 RDA / RQB)		4RP 008 189-011	
<b>Escort VI (GAL)</b>	09/92->01/95		
1.6 i 16V (🚗 L1E / L1H); 1.8 i 16V (🚗 RDA); 1.8 XR3i 16V 4x4 (🚗 RDA / RQB)		4RP 008 189-011	
<b>Escort VI Saloon (GAL)</b>	08/93->01/95		
1.6 i 16V (🚗 L1E, L1K / L1H); 1.8 i 16V (🚗 RDA)		4RP 008 189-011	
<b>Escort VI Estate (GAL)</b>	09/92->01/95		
1.6 i 16V (🚗 L1E / L1H); 1.8 i 16V (🚗 RDA / RQB)		4RP 008 189-011	
<b>Escort VI Convertible (ALL)</b>	12/92->01/95		
1.6 16V XR3i (🚗 L1E); 1.6 i 16V (🚗 L1H)		4RP 008 189-011	
<b>Escort VII (GAL, AAL, ABL)</b>	01/95->10/98		
1.6 16V 4x4 (🚗 L1E); 1.6 16V (🚗 L1E); 1.8 16V (🚗 RKC)		4RP 008 189-011	
<b>Escort VII Saloon (GAL, AFL)</b>	01/95->02/99		
1.6 i 16V (🚗 L1E, L1K); 1.8 16V (🚗 RKC)		4RP 008 189-011	
<b>Escort VII Estate (GAL, ANL)</b>	01/95->02/99		
1.6 16V (🚗 L1E); 1.8 16V (🚗 RKC)		4RP 008 189-011	
<b>Escort VII Convertible (ALL)</b>	02/95->08/00		
1.6 16V XR3i (🚗 L1E / L1H); 1.8 16V XR3i (🚗 RKC)		4RP 008 189-011	
<b>Orion I (AFD)</b>	07/83->03/86		
1.6 i (🚗 LRA, LR1)		4RP 008 189-011	
<b>Orion II (AFF)</b>	12/85->07/90		
1.6 i KAT (🚗 L4B); 1.6 i (🚗 LRB)		4RP 008 189-011	
<b>Orion III (GAL)</b>	07/90->12/93		
1.6 i 16V (🚗 L1E, L1K); 1.6 i (🚗 LJF); 1.8 i 16V (🚗 RDA / RQB)		4RP 008 189-011	
<b>Scorpio I (GAE, GGE)</b>	04/85->09/94		
1.8 (🚗 REC); 2.0 i (🚗 N9D / NRA, NRI / NRC); 2.0 (🚗 N8D, NEL); 2.4 i KAT (🚗 ARD); 2.4 i (🚗 ARC / ARD); 2.8 i 4x4 (🚗 PRE); 2.8 i (🚗 PRE); 2.9 i 24V (🚗 BOA); 2.9 i 4x4 (🚗 BRC / BRF, BRE, BRD); 2.9 i KAT (🚗 BRE); 2.9 i (🚗 BRC / BRE, BRF, BRD)		4RP 008 189-001	
<b>Scorpio I Saloon (GGE)</b>	09/86->12/94		
2.0 i (🚗 N9D / N9F); 2.4 i (🚗 ARD); 2.9 i 24V (🚗 BOA); 2.9 i 4x4 (🚗 BRE, BRF, BRD); 2.9 i (🚗 BRE, BRF, BRD)		4RP 008 189-001	
<b>Scorpio I Estate (GGE)</b>	05/88->09/94		
all vehicle types except 2.5 TD		4RP 008 189-001	
<b>Scorpio II (GFR, GGR)</b>	10/94->08/98		
2.0 i 16V (🚗 N3A); 2.0 i (🚗 NSD); 2.3 i 16V (🚗 Y5A); 2.9 i 24V (🚗 BOB); 2.9 i (🚗 BRG)		4RP 009 118-001	
<b>Scorpio II Estate (GNR, GGR)</b>	10/94->08/98		
2.0 i 16V (🚗 N3A); 2.0 i (🚗 NSD); 2.3 i 16V (🚗 Y5A); 2.9 i 24V (🚗 BOB); 2.9 i (🚗 BRG)		4RP 009 118-001	
<b>Sierra Hatchback (GBC)</b>	08/82->12/86		
2.0 i (🚗 NR2, NRB)		4RP 008 189-001	
		4RP 008 189-011	
2.8 XR 4x4 (🚗 PRT); 2.8 XR4i (🚗 PR6 / PRT)		4RP 008 189-001	



# Relays, Fuel Pump

Ford - Opel



Manufacturer Model Vehicle type	Model year	Part no.	Note
<b>Ford</b>			
<b>Sierra Estate (BNC)</b>	<b>08/82-&gt;12/86</b>		
2.8 XR4i (🚗 PR6)		4RP 008 189-001	
<b>Sierra Hatchback (GBC, GBG)</b>	<b>01/87-&gt;02/93</b>		
1.6 i (🚗 L6B); 2.0 i KAT (🚗 N4B); 2.0 i (🚗 N4A, N41 / N9B / N9C / NEJ, NE5); 2.9 i XR 4x4 (🚗 B4B, B4C); 2.9 i (🚗 B4B, B4C)		4RP 008 189-021	for vehic. w/o AC
2.0 16V Cosworth 4x4 KAT (🚗 N5C); 2.0 16V Cosworth 4x4 (🚗 N5D); 2.0 i KAT (🚗 N4B); 2.0 i (🚗 N4A, N41 / N8A / N9B / N9C / NEJ, NE5); 2.8 i XR 4x4 (🚗 PRG); 2.9 i XR 4x4 (🚗 B4A / B4B, B4C); 2.9 i (🚗 B4B, B4C)		4RP 008 189-001	
2.0 i KAT (🚗 N4B, 01/87->01/89); 2.0 i (🚗 N4A, N41, 01/87->01/89 / 🚗 NEJ, NE5, 01/87->01/89); 2.0 RS Cosworth (🚗 N5B, 11/87->01/89)		4RP 008 189-011	
<b>Sierra (GBG, GB4)</b>	<b>01/87-&gt;02/93</b>		
1.6 i (🚗 L6B); 2.0 4x4 (🚗 N9C); 2.0 i KAT (🚗 N4B); 2.0 i (🚗 N4A, N41 / N9C / NE5, NEJ); 2.9 4x4 (🚗 B4B, B4C); 2.9 i (🚗 B4B, B4C)		4RP 008 189-021	for vehic. w/o AC
2.0 4x4 (🚗 N9C); 2.0 i KAT (🚗 N4B); 2.0 i (🚗 N4A, N41 / N9C / NE5, NEJ); 2.9 i (🚗 B4B, B4C)		4RP 008 189-001	
2.0 i KAT (🚗 N4B, 01/87->01/89); 2.0 i (🚗 N4A, N41, 01/87->01/89 / 🚗 NE5, NEJ, 01/87->01/89)		4RP 008 189-011	
<b>Sierra Estate (BNG)</b>	<b>01/87-&gt;02/93</b>		
2.0 4x4 (🚗 N9C); 2.0 i KAT (🚗 N4B); 2.0 i (🚗 N4A, N41 / N9C / NE5, NEJ); 2.8 4x4 (🚗 PRG); 2.9 4x4 (🚗 B4B, B4C); 2.9 i (🚗 B4B, B4C)		4RP 008 189-001	
2.0 i KAT (🚗 N4B, 01/87->01/89); 2.0 i (🚗 N4A, N41, 01/87->01/89 / 🚗 NE5, NEJ, 01/87->01/89)		4RP 008 189-011	
1.6 i (🚗 L6B); 2.0 4x4 (🚗 N9C); 2.0 i KAT (🚗 N4B); 2.0 i (🚗 N4A, N41 / N9C / NE5, NEJ); 2.9 4x4 (🚗 B4B, B4C); 2.9 i (🚗 B4B, B4C)		4RP 008 189-021	for vehic. w/o AC
<b>Lancia</b>			
<b>Thema (834)</b>	<b>11/84-&gt;07/94</b>		
2000 16V (834FA) (🚗 834 F1.000); 2000 16V Turbo (834AC) (🚗 834 C1.000); 2000 16V Turbo (834GC, 834FC) (🚗 834 F2.000); 2000 i.e. (834B) (🚗 834 B.000); 2000 i.e. (834BV) (🚗 834 B.146); 2000 i.e. 16V (834AI) (🚗 834 B2.246); 2000 i.e. 16V Turbo (834AL) (🚗 834 C1.246); 2000 i.e. Turbo (834C) (🚗 834 C.000); 2000 i.e. (🚗 834 B.048); 2000 i.e. Turbo (834CV) (🚗 834 C.146); 8.32 (834F) (🚗 F 105 L); 8.32 (834FS) (🚗 F 105 L.046)		4RP 008 189-111	
<b>Thema SW (834)</b>	<b>03/87-&gt;07/94</b>		
2000 16V (834FA) (🚗 834 F1.000); 2000 i.e. 16V (834AI) (🚗 834 B2.246); 2000 i.e. 16V Turbo (834AC) (🚗 834 C1.000); 2000 i.e. 16V Turbo (834AL) (🚗 834 C1.246); 2000 Turbo 16V (834GC, 834FC) (🚗 834 F2.000); 2000 Turbo (🚗 834 C.146)		4RP 008 189-111	
<b>Opel</b>			
<b>Ascona C CC (84_, 89_)</b>	<b>09/81-&gt;08/88</b>		
1.8 E (🚗 C 18 NE, S 18 NV); 1.8 i (🚗 18 E)		4RP 008 189-041	
2.0 i GT (🚗 20 SEH); 2.0 i KAT (🚗 C 20 NE); 2.0 i (🚗 20 NE)		4RP 008 189-051	
<b>Ascona C (81_, 86_, 87_, 88_)</b>	<b>09/81-&gt;10/88</b>		
1.8 E (🚗 C 18 NE, S 18 NV); 1.8 i (🚗 18 E)		4RP 008 189-041	
2.0 i GT (🚗 20 SEH); 2.0 i KAT (🚗 C 20 NE); 2.0 i (🚗 20 NE / C 20 NEF)		4RP 008 189-051	
<b>Astra F CC (53_, 54_, 58_, 59_)</b>	<b>09/91-&gt;01/98</b>		
1.8 i 16V (🚗 C 18 XE / C 18 XEL, X 18 XE); 1.8 i (🚗 C 18 NZ); 2.0 GSI 16V (🚗 C 20 XE); 2.0 i 16V (🚗 X 20 XEV); 2.0 i (🚗 C 20 NE)		4RP 008 189-051	
<b>Astra F (56_, 57_)</b>	<b>09/91-&gt;09/98</b>		
1.8 i 16V (🚗 C 18 XE / C 18 XEL, X 18 XE); 1.8 i (🚗 C 18 NZ); 2.0 i 16V (🚗 X 20 XEV); 2.0 i (🚗 C 20 NE)		4RP 008 189-051	
<b>Astra F Estate (51_, 52_)</b>	<b>09/91-&gt;01/98</b>		
1.8 i 16V (🚗 C 18 XE / C 18 XEL, X 18 XE); 1.8 i (🚗 C 18 NZ); 2.0 i 16V (🚗 C 20 XE / X 20 XEV); 2.0 i (🚗 C 20 NE)		4RP 008 189-051	
<b>Astra F Convertible (53_B)</b>	<b>03/93-&gt;03/01</b>		
1.8 i 16V (🚗 C 18 XEL, X 18 XE); 2.0 i (🚗 C 20 NE)		4RP 008 189-051	
<b>Calibra A (85_)</b>	<b>06/90-&gt;07/97</b>		
2.0 i 16V 4x4 (🚗 X 20 XEV); 2.0 i 16V (🚗 X 20 XEV); 2.0 i 4x4 (🚗 C 20 NE); 2.0 i Turbo 4x4 (🚗 C 20 LET); 2.0 i (🚗 C 20 NE)		4RP 008 189-051	
<b>Corsa A CC (93_, 94_, 98_, 99_)</b>	<b>09/82-&gt;03/93</b>		
1.6 GSI KAT (🚗 C 16 SE); 1.6 GSI (🚗 C 16 SEI / E 16 SE)		4RP 008 189-051	



Manufacturer Model Vehicle type	Model year	Part no.	Note
<b>Opel</b>			
<b>Frontera A Sport (5_SUD2)</b>	<b>03/92-&gt;10/98</b>		
2.0 i (52SUD2, 55SUD2) (C 20 NE, X 20 SE)		4RP 008 189-051	
<b>Frontera A (5_MWL4)</b>	<b>03/92-&gt;10/98</b>		
2.4 i (53MWL4) (C 24 NE)		4RP 008 189-051	
<b>Kadett E CC (33_, 34_, 43_, 44_)</b>	<b>09/84-&gt;08/91</b>		
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 NZ); 1.8 i (C 18 NT, C 18 NZ, S 18 NV, 09/86->08/91); 2.0 GSI 16V KAT (C 20 XE); 2.0 GSI 16V (20 XEJ); 2.0 GSI KAT (C 20 NE); 2.0 GSI (20 NE / 20 SEH)		4RP 008 189-051	
1.8 E (C 18 NE); 1.8 GSI (C 18 E); 1.8 i (C 18 NT, C 18 NZ, S 18 NV, 06/85->08/86)		4RP 008 189-041	
<b>Kadett E (39_, 49_)</b>	<b>09/84-&gt;08/91</b>		
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 NZ); 1.8 i (C 18 NT, C 18 NZ); 1.8 (C 18 E); 2.0 i KAT (C 20 NE); 2.0 i (20 NE)		4RP 008 189-051	
1.8 i (C 18 E / C 18 NE)		4RP 008 189-041	
<b>Kadett E Estate (35_, 36_, 45_, 46_)</b>	<b>09/84-&gt;08/91</b>		
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 NZ); 1.8 i (C 18 NT, C 18 NZ, 09/86->08/91); 2.0 i KAT (C 20 NE); 2.0 i (20 NE)		4RP 008 189-051	
1.8 E (C 18 NE); 1.8 i (C 18 NT, C 18 NZ, 06/85->08/86)		4RP 008 189-041	
<b>Kadett E Convertible (43B_)</b>	<b>10/86-&gt;02/93</b>		
1.4 i (C 14 NZ)		4RP 008 189-041	
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (16 SV / E 16 NZ); 2.0 i KAT (C 20 NE); 2.0 i (20 NE)		4RP 008 189-051	
<b>Kadett E Combo (38_, 48_)</b>	<b>01/86-&gt;07/94</b>		
1.6 i (C 16 NZ)		4RP 008 189-051	
<b>Manta B (58_, 59_)</b>	<b>09/75-&gt;08/88</b>		
2.0 E (C 20 E); 2.4 400 (C 24 E)		4RP 008 189-041	
<b>Manta B CC (53_, 55_)</b>	<b>09/75-&gt;08/88</b>		
2.0 E (C 20 E)		4RP 008 189-041	
<b>Monza A (22_)</b>	<b>02/78-&gt;08/86</b>		
2.5 E (C 25 E / H 25 E); 3.0 GSE (C 30 E / C 30 LE)		4RP 008 189-041	
<b>Omega A (16_, 17_, 19_)</b>	<b>09/86-&gt;05/94</b>		
1.8 N (C 18 NV); 1.8 S (C 18 SV); 1.8 (C 18 SEH / E 18 NVR); 2.0 i (C 20 NE); 2.0 (C 20 SE / C 20 NEF / C 20 NEJ); 2.4 i (C 24 NE); 2.6 i (C 26 NE); 3.0 24V Evolution500 (C 30 XE)		4RP 008 189-051	
3.0 (3000) KAT (C 30 NE); 3.0 (3000) (C 30 NE / C 30 LE); 3.0 24V (3000) (C 30 SE / C 30 SEJ); 3.6 24V Lotus (C 36 GET)		4RP 008 189-031 4RP 008 189-051	
<b>Omega A Estate (66_, 67_)</b>	<b>09/86-&gt;05/94</b>		
all vehicle types except 2.3 TD, 2.3 D, 2.3 TD Interc.		4RP 008 189-051	
<b>Rekord E (17_-19_, 11_, 14_, 16_)</b>	<b>08/77-&gt;08/86</b>		
1.8 E (C 18 NV); 2.0 E (C 20 E); 2.2 E (C 22 E)		4RP 008 189-041	
<b>Rekord E Estate (61_, 66_, 67_)</b>	<b>08/77-&gt;08/86</b>		
1.8 E (C 18 NV); 2.0 E (C 20 E); 2.2 E (C 22 E)		4RP 008 189-041	
<b>Senator A (29_)</b>	<b>02/78-&gt;08/87</b>		
2.5 E (C 25 E / H 25 E); 3.0 E (C 30 E)		4RP 008 189-041	
<b>Vectra A CC (88_, 89_)</b>	<b>04/88-&gt;11/95</b>		
2.0 i 16V KAT (C 20 XE); 2.0 i 16V (20 XEJ / X 20 XEV); 2.0 i GT (C 20 SEH); 2.0 i KAT (C 20 NE); 2.0 i (20 NE)		4RP 008 189-051	
<b>Vectra A (86_, 87_)</b>	<b>09/88-&gt;11/95</b>		
2.0 i 16V 4x4 (X 20 XEV); 2.0 i 16V (X 20 XEV); 2.0 i 4x4 KAT (C 20 NE); 2.0 i 4x4 (20 NE / 20 SEH); 2.0 i KAT (C 20 NE); 2.0 i Turbo 4x4 (C 20 LET); 2.0 i (20 NE / 20 SEH); 2000 16V 4x4 (20 XEJ); 2000/GT 16V 4x4 KAT (C 20 XE); 2000/GT 16V KAT (C 20 XE); 2000/GT 16V (20 XEJ)		4RP 008 189-051	



# Relays, Fuel Pump

## Peugeot - Vauxhall



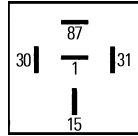
Manufacturer Model Vehicle type	Model year	Part no.	Note
<b>Peugeot</b>			
<b>205 I (741A/C)</b>	<b>02/83-&gt;10/87</b>		
1.6 GTI (🚗 180A (XU5J)); 1.9 GTI (🚗 D6B (XU9JA (ohne KAT)) / DFZ (XU9J1))		4RP 008 189-111	
<b>205 I Convertible (741B, 20D)</b>	<b>04/86-&gt;12/94</b>		
1.6 CTI (🚗 180A (XU5J), 180Z (XU5J)); 1.9 CTI (🚗 DFZ (XU9J1))		4RP 008 189-111	
<b>205 II (20A/C)</b>	<b>01/87-&gt;09/98</b>		
1.6 GTI (🚗 180Z (XU5J), 180A (XU5J)); 1.9 GTI KAT (🚗 DFZ (XU9J1)); 1.9 GTI (🚗 D2A (XU92C) / D6B (XU9JA (G-KAT)) / DKZ (XU9JAZ))		4RP 008 189-111	
<b>505 (551A)</b>	<b>05/79-&gt;12/93</b>		
2.2 GTI (🚗 851B (ZDJL))		4RP 008 189-111	
<b>505 Break (551D)</b>	<b>04/82-&gt;12/93</b>		
2.2 GTI (🚗 851B (ZDJL))		4RP 008 189-111	
<b>Seat</b>			
<b>Ibiza I (021A)</b>	<b>06/84-&gt;12/93</b>		
1.5 i KAT (🚗 021 C.2000); 1.5 i (🚗 021 B.2000 / 021 D.2000)		4RP 008 189-111	
<b>Malaga (023A)</b>	<b>11/84-&gt;12/93</b>		
1.5 i KAT (🚗 021 D.2000, 021 C.2000, 021 A.2000); 1.5 i (🚗 021 B.2000)		4RP 008 189-111	
<b>Vauxhall</b>			
<b>Astra CC</b>	<b>09/79-&gt;08/86</b>		
1.8 GTE (🚗 18 E)		4RP 008 189-041	
<b>Astra Mk II CC</b>	<b>09/84-&gt;08/91</b>		
1.8 GTE (🚗 18 SE, 18 E, 09/84->01/86)		4RP 008 189-041	
1.8 GTE (🚗 18 SE, 18 E, 01/86->08/91); 2.0 GTE 16V (🚗 20 XE); 2.0 GTE (🚗 20 SEH)		4RP 008 189-051	
<b>Astra Mk II Belmont</b>	<b>09/85-&gt;12/91</b>		
1.8 i (🚗 18 E, 18 SE); 1.8 (🚗 18 SE)		4RP 008 189-051	
<b>Astra Mk III CC</b>	<b>09/91-&gt;02/98</b>		
2.0 i 16V (🚗 C 20 XE); 2.0 i (🚗 C 20 NE)		4RP 008 189-051	
<b>Astra Mk III</b>	<b>09/91-&gt;09/98</b>		
2.0 i 16V (🚗 X 20 XEV); 2.0 i (🚗 C 20 NE)		4RP 008 189-051	
<b>Astra Mk III Estate</b>	<b>03/91-&gt;02/98</b>		
2.0 i (🚗 C 20 NE)		4RP 008 189-051	
<b>Astra Mk III Convertible</b>	<b>03/93-&gt;03/01</b>		
2.0 i (🚗 C 20 NE)		4RP 008 189-051	
<b>Calibra</b>	<b>06/90-&gt;07/97</b>		
all vehicle types except 2.5 i V6		4RP 008 189-051	
<b>Carlton Mk III</b>	<b>09/86-&gt;03/94</b>		
1.8 i (🚗 18 SEH); 2.0 i (🚗 20 SE); 2.4 i (🚗 C 24 NE); 2.6 i (🚗 C 26 NE)		4RP 008 189-051	
3.0 3000 (🚗 30 NE); 3000 KAT (🚗 C 30 NE); 3000 (🚗 C 30 LE)		4RP 008 189-041	
<b>Carlton Mk III Estate</b>	<b>09/86-&gt;03/94</b>		
1.8 i (🚗 18 SEH); 2.0 i (🚗 20 SE / C 20 NEJ); 2.4 i (🚗 C 24 NE); 2.6 i (🚗 C 26 NE)		4RP 008 189-051	
3.0 (🚗 C 30 NE)		4RP 008 189-041	
<b>Cavalier Mk II CC</b>	<b>09/81-&gt;08/88</b>		
1.8 i (🚗 18 E, 09/81->01/86 / 🚗 18 SE, 09/81->01/86)		4RP 008 189-041	
1.8 i (🚗 18 E, 01/86->08/88 / 🚗 18 SE, 01/86->08/88); 2.0 i KAT (🚗 C 20 NE)		4RP 008 189-051	
<b>Cavalier Mk II</b>	<b>09/81-&gt;08/88</b>		
1.8 i KAT (🚗 C 18 NE, 01/85->01/86); 1.8 i (🚗 18 E, 09/81->01/86 / 🚗 18 SE, 09/81->01/86)		4RP 008 189-041	
1.8 i KAT (🚗 C 18 NE, 01/86->08/86); 1.8 i (🚗 18 E, 01/86->08/88 / 🚗 18 SE, 01/86->08/88); 2.0 i KAT (🚗 C 20 NE); 2.0 i (🚗 20 NE); 2.0 SRi 130 (🚗 20 SEH)		4RP 008 189-051	
<b>Cavalier Mk II Estate</b>	<b>09/81-&gt;08/88</b>		
1.8 i (🚗 18 SE, 18 E, 09/81->01/86)		4RP 008 189-041	
1.8 i (🚗 18 SE, 18 E, 01/86->08/86)		4RP 008 189-051	
<b>Cavalier Mk III CC</b>	<b>09/88-&gt;11/95</b>		
2.0 i 16V (🚗 C 20 XE); 2.0 i (🚗 20 NE); 2.0 SRi (🚗 20 SEH)		4RP 008 189-051	





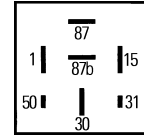
Manufacturer Model Vehicle type	Model year	Part no.	Note
<b>Vauxhall</b>			
<b>Cavalier Mk III</b>	<b>09/88-&gt;11/95</b>		
2.0 i 16V 4x4 (🚗 C 20 XE); 2.0 i 16V (🚗 C 20 XE); 2.0 i 4x4 (🚗 20 SEH); 2.0 i (🚗 20 NE); 2.0 SRi 16V (🚗 X 20 XEV); 2.0 SRi (🚗 20 SEH)		4RP 008 189-051	
<b>Frontera Sport</b>	<b>03/92-&gt;10/98</b>		
2.0 i (🚗 C 20 NE, X 20 SE)		4RP 008 189-051	
<b>Frontera</b>	<b>03/92-&gt;10/98</b>		
2.4 i (🚗 C 24 NE)		4RP 008 189-051	
<b>Nova CC</b>	<b>05/83-&gt;03/93</b>		
1.6 GSI KAT (🚗 C 16 SE); 1.6 GSI (🚗 C 16 SEI / E 16 SE)		4RP 008 189-051	
<b>Senator Mk II</b>	<b>09/87-&gt;09/93</b>		
2.6 i (🚗 C 26 NE); 3.0 i KAT (🚗 C 30 NE); 3.0 (🚗 30 NE / C 30 LE)		4RP 008 189-041	
3.0 24V (🚗 C 30 SE)		4RP 008 189-051	
<b>Volkswagen</b>			
<b>Caddy I (14)</b>	<b>08/82-&gt;07/92</b>		
1.8 (🚗 JH)		4RP 008 189-091	
<b>Corrado (53I)</b>	<b>08/87-&gt;12/95</b>		
1.8 G60 (🚗 PG)		4RP 008 189-101	
<b>Golf I Convertible (155)</b>	<b>01/79-&gt;08/93</b>		
1.5 (🚗 JB); 1.6 (🚗 EG / EW, 08/83->06/84); 1.8 (🚗 DX, EV, PB, 08/82->06/84 / 🚗 EX, 08/83->06/84 / 🚗 JH, 08/83->06/84)		4RP 009 118-011 up to chas. no. C-999999	
1.8 (🚗 2H / DX, EV, PB / EX / JH)		4RP 008 189-091	
<b>Golf II (19E, 1G1)</b>	<b>08/83-&gt;12/92</b>		
1.8 Syncro (🚗 1P / GX, GU); 1.8 i KAT (🚗 RP, GX); 1.8 i Syncro KAT (🚗 RP); 1.8 (🚗 GX, GU, HV / RH)		4RP 008 189-071	
1.8 GTI KAT (🚗 PF); 1.8 GTI (🚗 EV, PB, GZ, DX / RD)		4RP 008 189-091	
1.8 Syncro (🚗 GX, 02/86->10/87); 1.8 GTI G60 Syncro (🚗 1H, PG); 1.8 GTI G60 (🚗 PG); 1.8 (🚗 GX)		4RP 008 189-101	
<b>Jetta II (19E, 1G2)</b>	<b>01/84-&gt;12/92</b>		
1.8 KAT (🚗 PF / RP, GX); 1.8 Syncro (🚗 1P / RP); 1.8 (🚗 EV, PB, GZ / RD / RH)		4RP 008 189-071	
1.8 (🚗 EV, PB, GZ / RD / RH)		4RP 008 189-091 GT	
1.8 (🚗 GX, 08/84->10/87)		4RP 008 189-101	
<b>Passat (32B)</b>	<b>08/80-&gt;12/88</b>		
2.0 (🚗 JS, HP, 08/85->03/88); 2.2 (🚗 KV / KX)		4RP 008 189-081	
<b>Passat Saloon (32B)</b>	<b>01/85-&gt;03/88</b>		
1.8 (🚗 DS, JN)		4RP 008 189-101	
2.2 (🚗 KX)		4RP 008 189-081	
<b>Passat Estate (32B)</b>	<b>08/80-&gt;06/89</b>		
2.0 Syncro (🚗 JS, 08/85->03/88); 2.0 (🚗 JS, HP, 08/85->03/88); 2.2 Syncro (🚗 JT); 2.2 (🚗 KV / KX)		4RP 008 189-081	
<b>Passat (3A2, 35I)</b>	<b>02/88-&gt;08/96</b>		
1.8 16V (🚗 KR); 1.8 G60 Syncro (🚗 PG); 1.8 (🚗 ABS, RP, ADZ, 02/88->07/90 / 🚗 PB / 🚗 PF, 04/88->07/90); 2.0 Syncro (🚗 2E, AGG, ADY); 2.0 (🚗 2E, ADY, AGG)		4RP 008 189-101	
<b>Passat Estate (3A5, 35I)</b>	<b>02/88-&gt;05/97</b>		
1.8 16V (🚗 KR); 1.8 G60 Syncro (🚗 PG); 1.8 (🚗 ABS, RP, ADZ, 02/88->07/90 / 🚗 PB / 🚗 PF); 2.0 Syncro (🚗 2E, ADY, AGG)		4RP 008 189-101	

# Relays, Fuel Pump



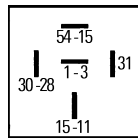
12 V

4RP 008 189-001 Ford



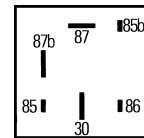
12 V

4RP 008 189-041 Opel, Vauxhall



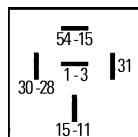
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4RP 008 189-011 Ford



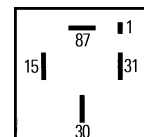
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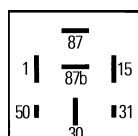
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4RP 008 189-021 Ford



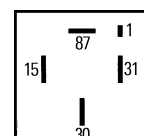
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4RP 008 189-061 Audi



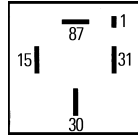
12 V

4RP 008 189-031 Opel



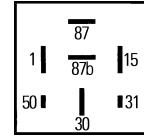
12 V

4RP 008 189-071 Audi, Volkswagen



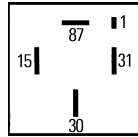
12 V

4RP 008 189-081 Audi, Volkswagen



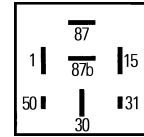
12 V

4RP 008 189-121 Citroën



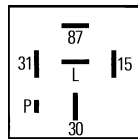
12 V

4RP 008 189-091 Audi, Volkswagen



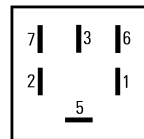
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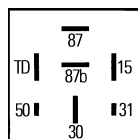
12 V

4RP 008 189-101 Volkswagen



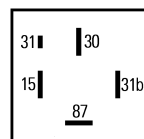
12 V

4RP 009 118-001 Ford



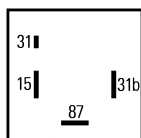
12 V

4RP 008 189-111 Alfa Romeo, Citroën, Ferrari, Fiat, Lancia, Peugeot, Seat



12 V

4RP 009 118-011 Volkswagen



12 V

4RP 009 118-031 BMW