

WABCO Hand-brake Valve in Original Quality

Every garage is concerned with performing repairs in the shortest possible time. However this goal can only be satisfied if the repairs have a lasting effect. If the function test indicates that more work is required after replacing a valve or the customer complains about the repairs soon after completion, the goal hasn't been achieved.

Using the WABCO branded units from the original manufacturer can save you time and money: Have faith in our product understanding, production experience and quality assurance based on the first-class specifications of the vehicle manufacturers. Your benefit: WABCO provides high quality for OE and replacement markets.



In the hand-brake valve range, WABCO has a large coverage for all vehicle manufacturers. The reliability and life-span of these valves are responsible for the safety of people and vehicles.

In a passenger vehicle, the "emergency and parking brakes" are hardly used when the vehicle is parked, engaged gears are normally enough to keep the vehicle from rolling away. However the hand-brake on a commercial vehicle used in distribution haulage is activated for every loading and unloading act e.g. doors or retainers must be opened before backing up to the ramp. The engine is not normally shut off but the hand-brake is actuated every time. In this case, only high-quality products should be used.

A trip through technology: Tasks of the hand-brake in the emergency and parking brake system
Hand-brake valves are used for actuating the emergency and the parking brake system. This causes the gradual actuation of the hand-lever to either feed air pressure in or release air pressure out of the Tristop-cylinder or the spring brake cylinder correspondingly.

The spring brake actuators are pressurised in the valve driving position, the brakes are released. In the parked position, the spring brake chambers of the Tristop cylinder are completely depressurised so that the tensioned springs brake the vehicle.

On vehicles with trailer capabilities, valves for which the lever can also achieve an additional test position are used. In this test or inspection position, the braking power of the towing vehicle can be checked. The trailer control valve is changed again (pressurised) to release the trailer brake again while the brakes of the towing vehicle are still applied with the spring-loaded brake. The towing vehicle must now be able to hold the entire load on an incline of 18%. The basis of this test is that a tractor-trailer unit must be able to remain parked securely on a hill if the towing vehicle loses its air supply over time. Since braking a trailer no longer happens without spring brakes, the tow vehicle must be able to hold back the entire load.

The hand-brake is also used for the auxiliary brake: Even if both operating brake circuits fail, the Tristop cylinder can brake the vehicle with the spring brakes. The hand-brake must have a gradual effect on the spring brake in this case and must also control the trailer vehicle with the trailer brake valve.

Broad range: Overview of part numbers and applications

We've provided you with a list of the most popular hand-brake valves on the following pages. You can order the original in OE quality using the part number of the vehicle manufacturer.

OE Number	Vehicle manufacturer	Competition	WABCO order number
170456	DAF	DPM 42 A	961 701 100 0
710940 2498634	Iveco	HB 1132 / I86107 HB 1135 DPM 42 A / DPM 44 A	961 701 100 0
81 52315 6044	MAN Nutzfahrzeuge AG	HB 1135 / I71268 / DPM 42 A / DPM 44 A	961 701 100 0
11026510099	MAN Nutzfahrzeuge AG	DPM 42 A	961 701 100 0
5000004989	Renault Trucks SAS	DPM 42 A	961 701 100 0
400555	Scania	DPM 42 A	961 701 100 0
1132026	Volvo	DPM 42 A	961 701 100 0
A 000 430 55 81	DaimlerChrysler AG	HB 1132 / I86107 HB 1133 / I86108 HB 1135	961 701 105 0
11026530099	MAN Nutzfahrzeuge AG	HB 1132 / I86107 HB 1133 / I86108 HB 1135	961 701 105 0
81 52315 6038	MAN Nutzfahrzeuge AG	HB 1140 / I72495	961 703 001 0
1518214	DAF		961 721 000 0
A 000 430 78 81	DaimlerChrysler AG	HB 1133 / I71253 / I86108	961 721 000 0
81 52315 6054	MAN Nutzfahrzeuge AG		961 721 000 0
5000328372	Renault Trucks SAS		961 721 000 0
310800	Scania		961 721 000 0
86015528	Iveco	HB 1142 / I82170 HB 1260 / I89397	961 721 002 0
81 52315 6068	MAN Nutzfahrzeuge AG		961 721 007 0
1519242	DAF		961 721 019 0
4782774	Iveco		961 721 019 0
81 52315 6078	MAN Nutzfahrzeuge AG	HB 1260 / I89397 HB 1261/ I89398	961 721 033 0
151 8215	DAF		961 721 040 0
A 003 430 18 81	DaimlerChrysler AG	HB 1168 I92181	961 721 040 0
85 50001 4546	MAN Nutzfahrzeuge AG		961 721 040 0
1325088	DAF	HB 1143 / I61720	961 721 044 0
5021170417	Renault Trucks SAS	HB 1143 / I61720	961 721 044 0
500005479	Iveco		961 721 050 0
500005514	Iveco		961 721 053 0
A 001 430 65 81	DaimlerChrysler AG	HB 1203 / DPM 81 BA / I92195	961 722 151 0
101741	Iveco	HB 1203 / I92195 / DPM 81 BA	961 722 151 0
42087347	Iveco	HB 1203 / HB 1191 / I92195 DPM 82 AX	961 722 152 0
81 52315 6089	MAN Nutzfahrzeuge AG	HB 1190 / I92191 / I76885	961 722 158 0
A 002 430 25 81	DaimlerChrysler AG		961 722 164 0

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A 001 430 56 81	DaimlerChrysler AG	HB 1175 I92185	961 722 210 0
1108720 571173	Scania		961 722 214 0
81 52315 6190	MAN Nutzfahrzeuge AG		961 722 225 0
A 003 430 45 81	DaimlerChrysler AG	HB 1168 I92181	961 722 232 0
42021814	Iveco	HB 1179 / I92186 / DPM 85 AK	961 722 258 0
112232900	MAN Nutzfahrzeuge AG	HB 1179 / I92186	961 722 258 0
1513251	DAF	HB 1189 / I92190	961 722 262 0
81523156090	MAN Nutzfahrzeuge AG	HB 1189 / I92190	961 722 262 0
110173941102.662.00	MAN Nutzfahrzeuge AG	HB 1189 / I92190	961 722 262 0
5430129609	Renault Trucks SAS	HB 1189 / I92190	961 722 262 0
8 285 300 000	SETRA	HB 1189 / I92190	961 722 262 0
A 001 430 32 81	DaimlerChrysler AG	HB 1215	961 722 264 0
5000504490	Renault Trucks SAS		961 722 264 0
42020121	Iveco	HB 1181 / DPM 50 A / DPM 80 A	961 722 266 0
81 52315 6142	MAN Nutzfahrzeuge AG		961 722 273 0
42020120	Iveco	HB 1182 / DPM 81 B	961 722 286 0
390286 571125	Scania		961 722 314 0
81 52315 6166	MAN Nutzfahrzeuge AG		961 722 326 0
371274	DAF		961 723 001 0
1519261	DAF		961 723 003 0
5000452903	Iveco		961 723 003 0
5000452903	Renault Trucks SAS		961 723 003 0
1505331	DAF		961 723 004 0
6792610	Volvo		961 723 004 0
1518229 ?????	DAF		961 723 005 0
A 002 430 78 81	DaimlerChrysler AG		961 723 005 0
1505334	DAF	DPM 92 A	961 723 007 0
8137037	Iveco	DPM 92 A	961 723 007 0
1518232	DAF		961 723 016 0
5010145721	Renault Trucks SAS		961 723 016 0
81.52315-6150 81.52315-6158	MAN Nutzfahrzeuge AG	DPM 90 CY	961 723 019 0
1505336	DAF		961 723 021 0
469271	Scania		961 723 021 0
41002768	Iveco		961 723 023 0
A 003 430 79 81	DaimlerChrysler AG	DPM 23 A	961 723 028 0
1404263	DAF		961 723 036 0
5010525008	Renault Trucks SAS		961 723 036 0

<i>OE Number</i>	<i>Vehicle manufacturer</i>	<i>Competition</i>	<i>WABCO order number</i>
81 52315 6113	MAN Nutzfahrzeuge AG	HB 1500 / I86656	961 723 100 0
A 002 430 79 81	DaimlerChrysler AG	HB 1510 / I87900	961 723 104 0
0813 2394 9840 5732	Iveco	DPM 95 A	961 723 106 0
1518236	DAF		961 723 111 0
50105251112	Renault Trucks SAS		961 723 111 0
81523156149 81523156151	MAN Nutzfahrzeuge AG	DPM 90 B	961 723 112 0
41002766	Iveco		961 723 117 0
81523156156 81523156161	MAN Nutzfahrzeuge AG		961 723 118 0
81 52315 6157	MAN Nutzfahrzeuge AG		961 723 120 0
1324425	Scania		961 723 122 0
5010260130	Renault Trucks SAS		961 723 123 0
81 52315 6162	MAN Nutzfahrzeuge AG	DPM 90 C	961 723 124 0
1519266	DAF	DPM 22 A	961 723 125 0
A 003 430 74 81	DaimlerChrysler AG	DPM 22 A	961 723 125 0
1309809	DAF	DPM 93 DA	961 723 126 0
1404269	DAF		961 723 134 0
5010525009	Renault Trucks SAS		961 723 134 0
1518238	DAF		961 723 203 0
222788	Iveco		961 723 203 0
1505340	DAF		961 723 215 0
1078958	Volvo		961 723 215 0
1408332	Scania		961 723 217 0
185733	Iveco		961 723 300 0
81 52315 6136	MAN Nutzfahrzeuge AG		961 723 405 0
81 52315 6155	MAN Nutzfahrzeuge AG		961 723 416 0
A 003 430 59 81	DaimlerChrysler AG		961 723 421 0
81 52315 6167	MAN Nutzfahrzeuge AG		961 723 423 0
81 52315 6183	MAN Nutzfahrzeuge AG		961 723 426 0
1774972 1548210	Scania		961 724 100 0
1774968 1548206	Scania		961 724 200 0
1774969 1548207	Scania		961 724 201 0
1548208	Scania		961 724 202 0
1548209	Scania		961 724 203 0
20367533	Volvo		961 724 204 0
20367534	Volvo		961 724 205 0
1524958	Scania		961 724 206 0
1524959	Scania		961 724 207 0