

Raise/Lower Valve (with Speed Pulse function)

Function

Raise/Lower Valves are fitted on vehicles with air suspension and allow manual control of air bag volume to raise or lower the vehicle chassis as required.

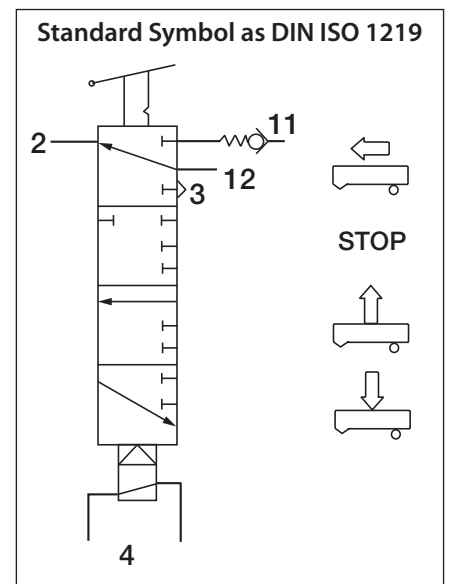
The SV3801 version is available with a "speed pulse" activated function to provide the 'reset to ride height' function. When the "speed pulse" is activated, the valve reverts to the driving position restoring the air bags to the normal running condition and the chassis moves back to the normal ride height to avoid possible suspension damage. This also ensures that the correct air suspension pressure is used to control the load sensing function.

The "speed pulse" is provided by a programmable function within the ECU of the ABS or EBS which monitors wheel speed sensor signals.



Technical Features

Maximum operating pressure:	13.0 bar
Maximum suspension pressure:	10.0 bar
Nominal voltage:	24 V
Power rating:	45 W
Operating temperature range:	-40 °C to +60 °C
Weight:	1.3 kg approx.
Test reports:	RWTÜV-report: AL232:OE
(for single circuit air suspension)	RWTÜV-report: 112IR 03 001 Rev. 01
	DEKRA-report: 200 208 105



Part No.	Type No.	Electrical Connector	Push-to-Connect Fittings supplied
K022847*	SV3801	Bayonet DIN 72585	No

Connection	Used for	Max. torque
11	M22x1,5 Supply (from air reservoir)	60 Nm
12	M16x1,5 From levelling valve	45 Nm
2	M16x1,5 Delivery to air bags	45 Nm
3	- Exhaust	-
4	Bayonet DIN 72585 Auto reset	-

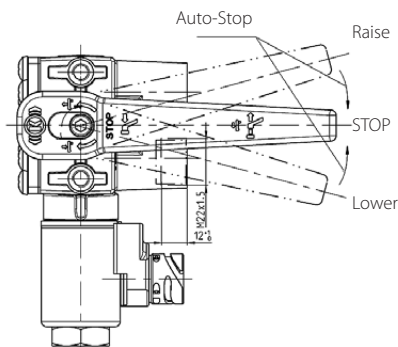
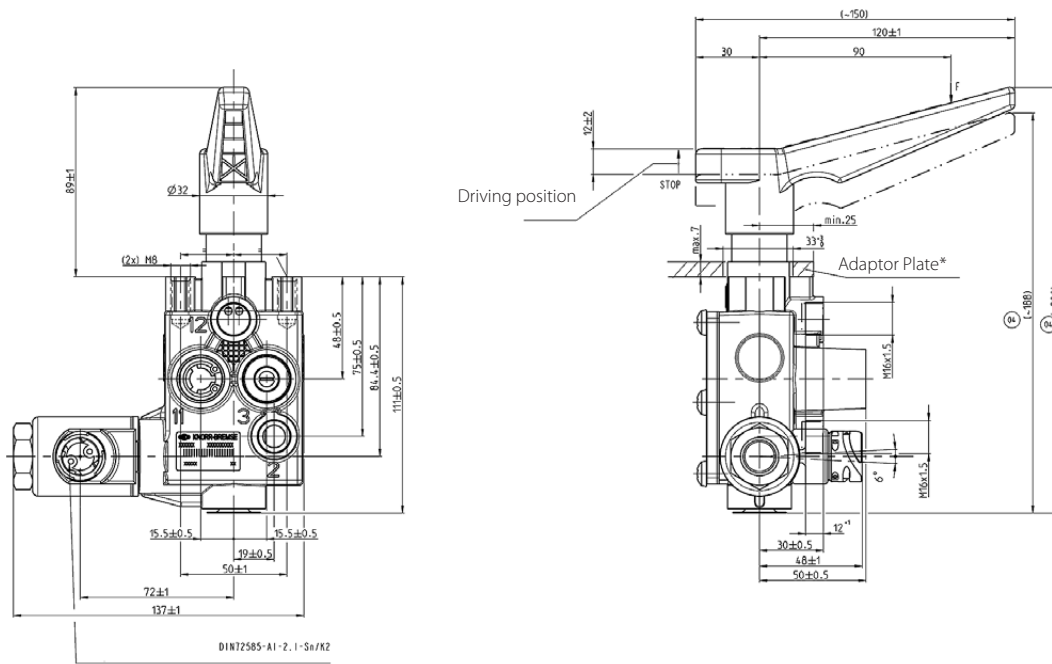
Part No. for Service Kit:	
Lever and screw:	I136226004
Tightening torque:	4 Nm
Solenoid:	K022901K50
Tightening torque:	6±1 Nm

* The part number will carry a suffix "N00" is supplied without packaging.

Note:
Delivery is without Legend Plate Z006844

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Dimensions

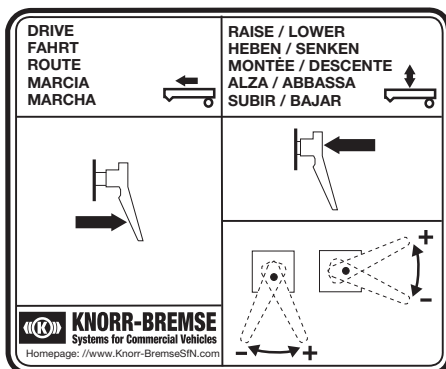


Mounting Position:



Legend Plate

Part No. Z006844



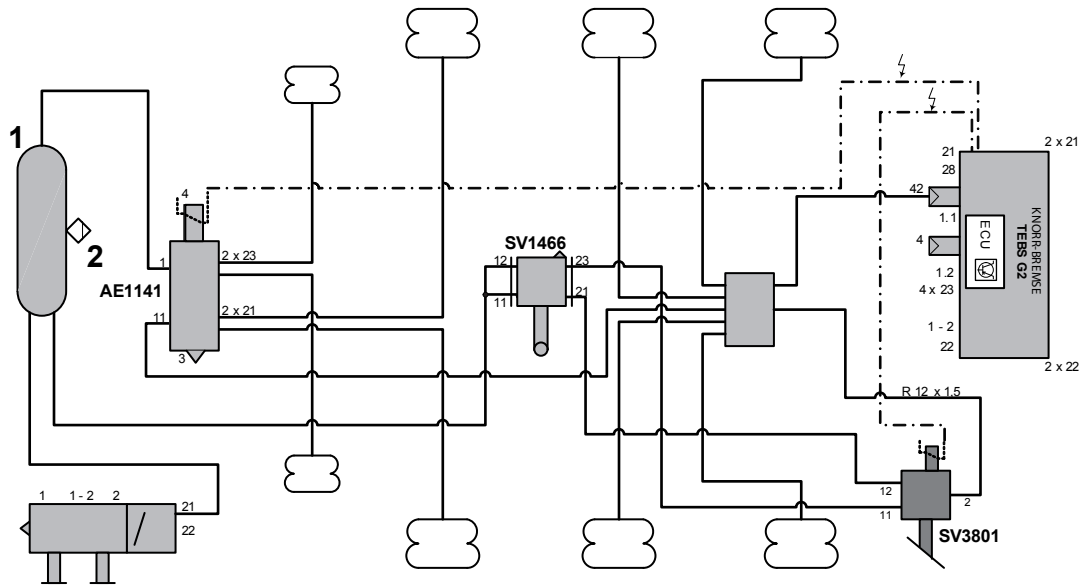
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Installation examples

The Raise / Lower Valve SV3801 with "speed pulse" function is used in air suspension systems both with and without height limitation.

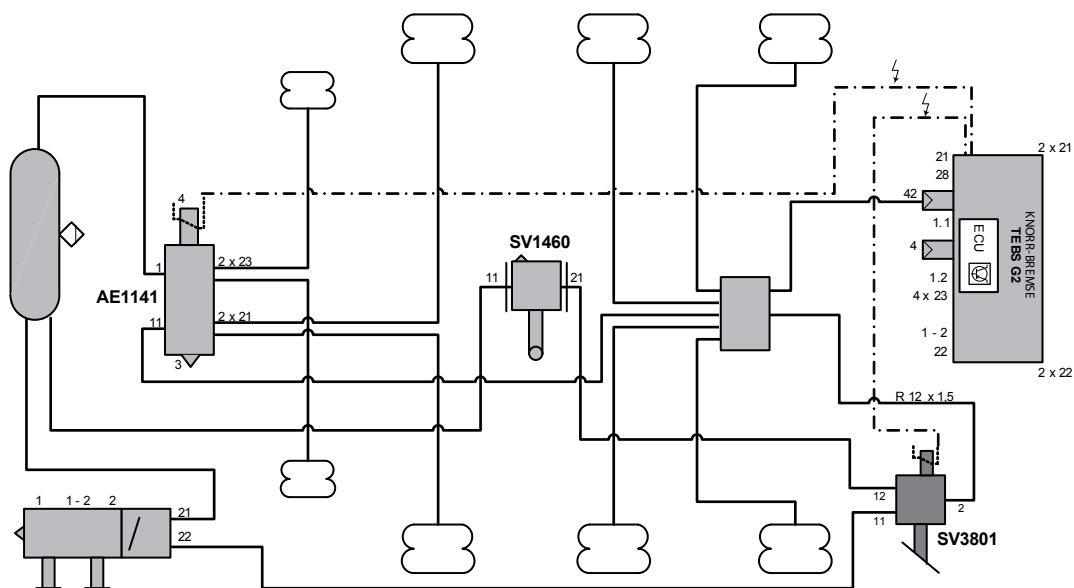
In contrast to the Raise / Lower Valve with "Reset-to-Ride" function, a switch is used for both types of Air suspension system.

Air suspension system with lift axle, with height limitation



SV3801_with HL

Air suspension system with lift axle, without height limitation



SV3801_without HL

Revision Details

Rev. 002	April 2019	New Layout



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Note

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