

32-670 R and R level controller

Lubricant for steel-supported ball joints of connecting rod (vehicles up to March 1971)¹⁾

Grease type Longterm lubricating grease (refer to Specifications for Service Products page 266.2)

¹⁾ Ball joints with plastic bearings (standard starting April 1971) require no service.

Tightening torque		Nm
Hex. head and hex. socket screws on level controller		45
Connection to level controller	M 14 x 1.5	25
	M 10 x 1	15
Cap screws of pressure oil lines	M 10 x 1	15
	M 12 x 1	20

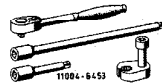
Special tools

Filling funnel with filter



126 589 12 63 00

Box wrench insert open 11 mm 1/4" square complete with change-over ratchet and 2 extensions for pressure oil lines



116 589 00 17 00

Conventional tools

Open double box wrench 10 x 11 mm

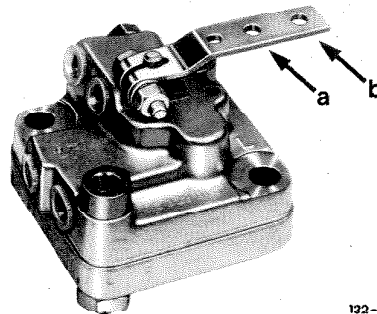
e.g. Hazet, D-5630 Remscheid

Open double box wrench 12 x 14 mm

Order No. 612

Note

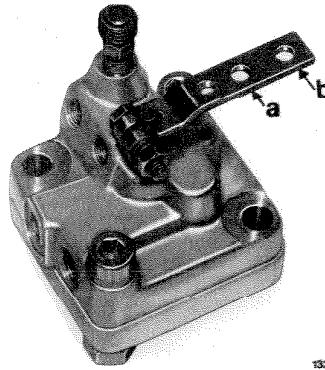
The level controller is provided with a bleed screw as standard equipment since March 1977. Simultaneously, the distributor with bleed screw installed up to now on model 116 and 123 in oil line from level controller to lefthand pressure reservoir is no longer installed.



Level controller
1st version

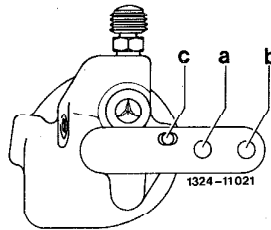
122-9611/1

On removal of bleed screw, the required checkup
 be performed (refer to 32-520, 32-530).



Level controller with bleed screw
 2nd version up to 8/85

132-19671



Level controller
 Version starting 9/85

1324-11021

Model 123

From February 1979 the cross section of the pressure
 leading from HP expanding hose to level controller
 has been reduced to 6 mm dia. (up to now 8 mm). As
 a result, the line connections have been changed from
 formerly M 14 x 1.5 to now M 12 x 1.

For this reason, starting February 1979 (on model
 123 up to September 1979) the connections of the
 HP expansion hose have also been changed. The
 level controller is provided with a respective connec-

Relevant parts

Model	Designation	Part No.
123	HP expansion hose	123 320 39 72
083/020/023/000/043	HP expansion hose	123 997 76 82
003/026/028/086	HP expansion hose	123 320 38 72
007/030/033/050/ 053/093	HP expansion hose	123 997 77 82

32-670 R and R level controller

Spare parts

Model	Designation	Part No.
123.026/030/033/086/ 093/102/120/123/ 130/183/190	Pressure oil line 6 mm dia.	123 320 31 72
123.003/007/028/103/ 105/125/132	Pressure oil line 6 mm dia.	123 320 35 72
123.050/053	Pressure oil line 6 mm dia.	123 320 33 72
123.083/020/023/000	Pressure oil line 6 mm dia.	123 320 32 72
123.043	Pressure oil line 6 mm dia.	123 320 34 72
123.026/030/033/086/ 093/102/120/123/ 130/183/190	Oil line (return flow)	123 320 27 72
123.003/007/028/103/ 105/125/132	Oil line (return flow)	123 320 28 72
123.050/053	Oil line (return flow)	123 320 29 72
123.083/020/023/000/043	Oil line (return flow) front	123 320 07 72
123.020/023/000	Oil line (return flow) rear	123 320 06 72
123.043	Oil line (return flow) rear	123 320 16 72
123.0 132.1	Rubber slider (oil lines on frame floor)	123 328 02 84
123.0 123.1	Connection (level controller)	123 327 03 65

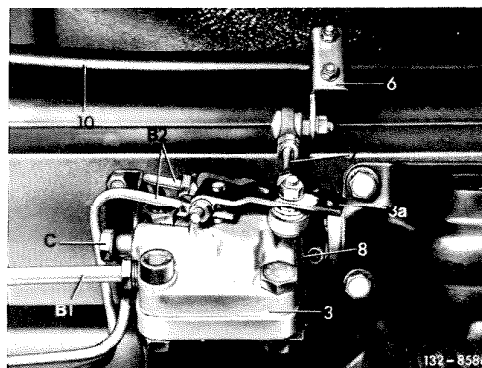
Available from: Plant 50 (PEW Sindelfingen)

Removal

- 1 Drain pressure oil system (32-630).
- 2 Loosen line connections (B1, B2 and C), using open box wrenches.

Model 116
Layout of level controller
1st version

- | | |
|------------------------------|--|
| 3 Level controller | B1 Pressure line pressure oil pump - level controller |
| 3a Lever on level controller | B2 Pressure line level controller - pressure reservoir |
| 6 Lever on torsion bar | C Return line level controller - fluid reservoir |
| 7 Connecting rod | |
| 8 Bracket | |
| 10 Torsion bar | |



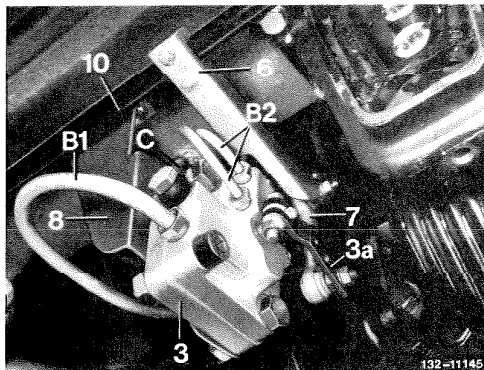
Attention!

On level controller, never loosen clamping screw for fastening lever on control shaft.

A subsequent location of lever in relation to control shaft is not possible.

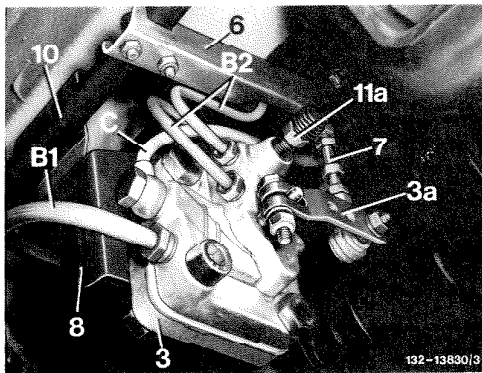
Model 123
Layout of level controller
without bleed screw
1st version

- | | |
|------------------------------|--|
| 3 Level controller | B1 Pressure line pressure oil pump – level controller |
| 3a Lever on level controller | B2 Pressure line level controller – pressure reservoir |
| 6 Lever on torsion bar | C Return flow line level controller – fluid reservoir |
| 7 Connecting rod | |
| 8 Bracket | |
| 10 Torsion bar | |



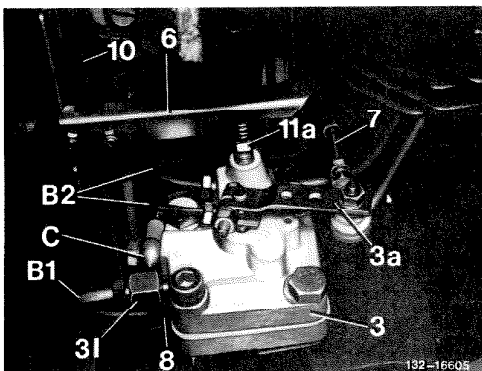
Model 123
Layout of level controller with bleed screw
2nd version starting March 1977

- | | |
|------------------------------|--|
| 3 Level controller | B1 Pressure line pressure oil pump – level controller |
| 3a Lever on level controller | B2 Pressure line level controller – pressure reservoir |
| 6 Lever on torsion bar | C Return flow line level controller – fluid reservoir |
| 7 Connecting rod | |
| 8 Bracket | |
| 10 Torsion bar | |
| 11a Bleed screw | |



Model 123
Layout of level controller with connection
Present version

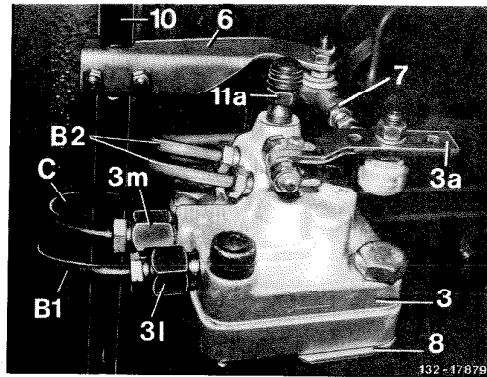
- | | |
|--------------------------------------|--|
| 3 Level controller | B1 Pressure line pressure oil pump – level controller |
| 3a Lever on level controller | B2 Pressure line level controller – pressure reservoir |
| 3l Connection for pressure line (B1) | C Return flow line level controller – fluid reservoir |
| 6 Lever on torsion bar | |
| 7 Connecting rod | |
| 8 Bracket | |
| 10 Torsion bar | |
| 11a Bleed screw | |



32-670 R and R level controller

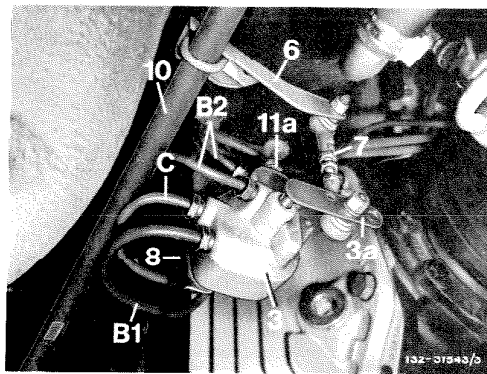
Model 126 version up to 8/85 Layout of level controller

- | | | | |
|----|-------------------------------------|-----|---|
| 3 | Level controller | 10 | Torsion bar |
| 3a | Lever on level controller | 11a | Bleed screw |
| 3l | Connection for pressure line (B1) | B1 | Pressure line pressure oil pump – level controller |
| 3m | Connection for return flow line (C) | B2 | Pressure line level controller – pressure reservoir |
| 6 | Lever on torsion bar | C | Return flow line level controller – fluid reservoir |
| 7 | Connecting rod | | |
| 8 | Bracket | | |



Model 126 version starting 9/85 Layout of level controller

- | | | | |
|-----|---------------------------|----|---|
| 3 | Level controller | B1 | Pressure line pressure oil pump – level controller |
| 3a | Lever on level controller | B2 | Pressure line level controller – pressure reservoir |
| 6 | Lever on torsion bar | C | Return flow line level controller – fluid reservoir |
| 7 | Connecting rod | | |
| 8 | Bracket | | |
| 10 | Torsion bar | | |
| 11a | Bleed screw | | |



3 Unscrew connecting rod (7) on lever (3a) of level controller.

Attention!

To loosen connecting rod, unscrew hex. nut on lever (3a) of level controller. If required, hold ball pin of plastics mounted ball joints with open-end wrench 10 mm or hold ball pin of steel-supported ball joints with an angular screwdriver.

On plastics-mounted ball joints never pull ball pin out of ball socket.

4 Loosen both hex. screws for attaching level controller to bracket (8) and remove controller.

Note: In the event of leaks, mount new O-ring, part No. 006 997 69 45 on parting surfaces of both housings.

Installation

Attention!

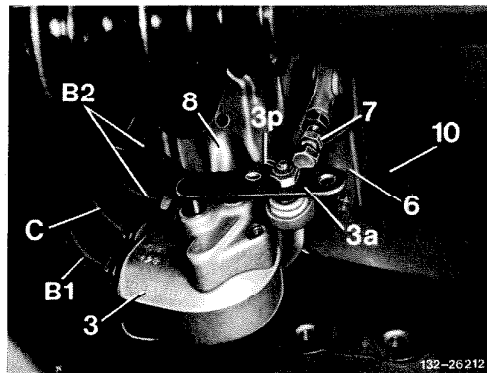
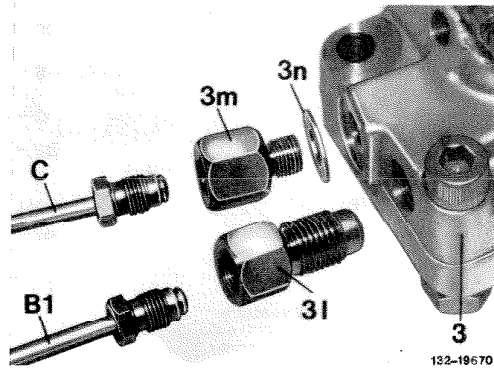
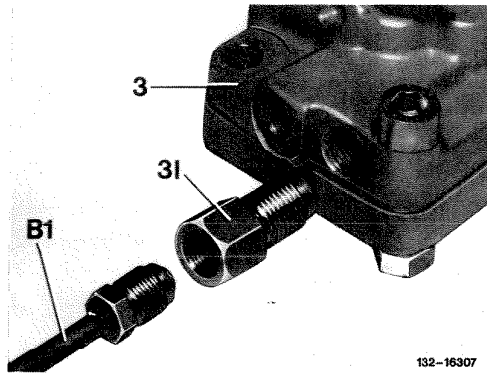
When exchanging a level controller on model 123 (version with pressure line connection M 12 x 1) transfer connection (3l), part No. 123 327 03 65, of pressure line (B1), and on model 126 additionally connection (3m), part No. 123 327 04 65, of return flow line (C). Also replace copper sealing ring (3n).

Model 123

The four bolts for housing halves of level controller should be tightened when level controller is energized with oil pressure.

Model 126 version up to 8/85

Model 126 version starting 9/85

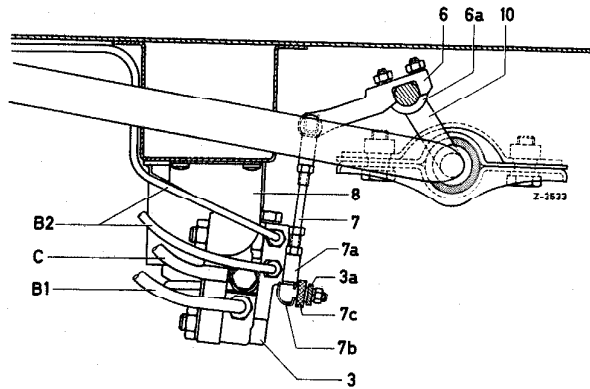


32-670 R and R level controller

5 Attach level controller to bracket, connect oil lines.

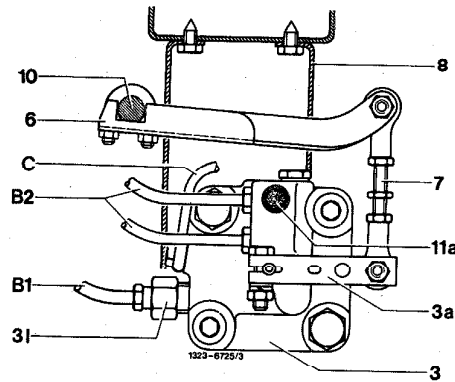
Model 107, 114, 115
Layout of level controller

- 3 Level controller
- 3a Lever on level controller
- 6 Lever on torsion bar
- 6a Fastening clip
- 7 Connecting rod
- 7a Ball joint
- 7b Locking clip
- 7c Sealing washer
- 8 Bracket
- 10 Torsion bar
- B1 Pressure line pressure oil pump – level controller
- B2 Pressure line level controller – pressure reservoir
- C Return flow line level controller – fluid reservoir



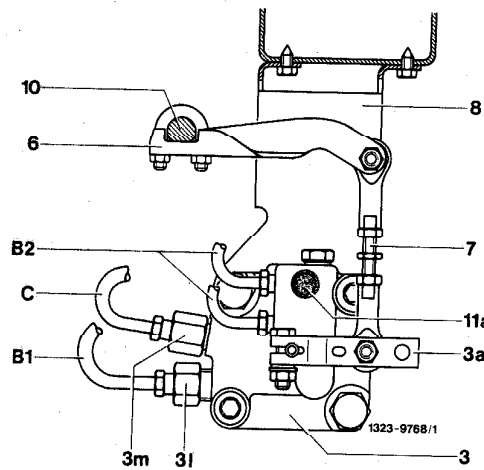
Model 123
Layout of level controller

- 3 Level controller
- 3a Lever on level controller
- 3l Connection for pressure line (B1)
- 6 Lever on torsion bar
- 7 Connecting rod
- 8 Bracket
- 10 Torsion bar
- 11a Bleed screw
- B1 Pressure line pressure oil pump – level controller
- B2 Pressure line level controller – pressure reservoir
- C Return flow line level controller – fluid reservoir



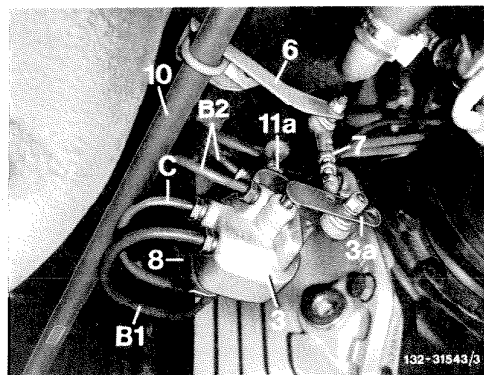
Model 126 version up to 8/85
Layout of level controller

- 3 Level controller
- 3a Lever on level controller
- 3l Connection for pressure line (B1)
- 3m Connection for return flow line (C)
- 6 Lever on torsion bar
- 7 Connecting rod
- 8 Bracket
- 10 Torsion bar
- 11a Bleed screw
- B1 Pressure line pressure oil pump – level controller
- B2 Pressure line level controller – pressure reservoir
- C Return flow line level controller – fluid reservoir



Model 126 version starting 9/85
Layout of level controller

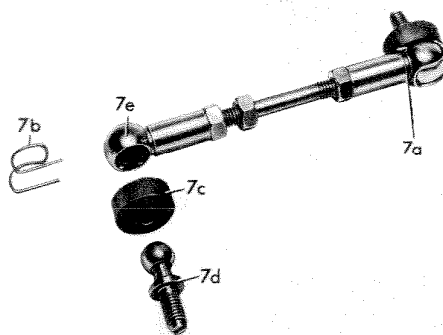
- 3 Level controller
- 3a Lever on level controller
- 6 Lever on torsion bar
- 7 Connecting rod
- 8 Bracket
- 10 Torsion bar
- 11a Bleed screw
- B1 Pressure line pressure oil pump — level controller
- B2 Pressure line level controller — pressure reservoir
- C Return flow line level controller — fluid reservoir



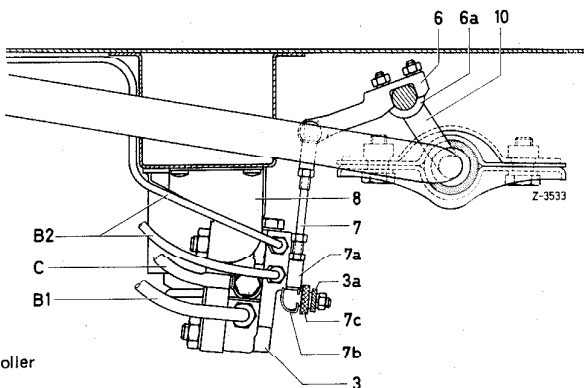
6 Check ball joints of connecting rod for easy operation and wear.

On version with steel joints, remove safety clip (7b) and pull off ball pin. Provide ball sockets with grease. Renew damaged sealing washers (7c) or worn ball joints.

Plastics-mounted joints require no service (32-660).



R 32/6513/1



Model 114, 115
Layout of level controller

7 Attach connecting rod to lever of level controller. If required, hold ball pin with angular screwdriver or 10 mm fork wrench.

8 Check vehicle level (40-310).

9 Check adjustment of headlights, if vehicle level has been changed.