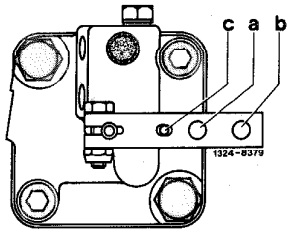
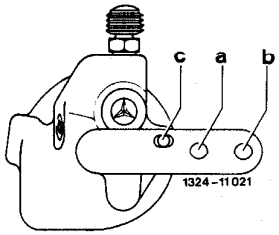
Position of connecting rod on lever of level controller

Model		Position of connecting rod on lever of level controller	
107.022	126.02	Bore a	Version up to 08/85  Version starting 09/85 
107.023	126.032		
107.025	126.033		
114	126.034		
115	126.043		
116.02	126.046		
116.032[1])	126.125[2])		
116.033[1])			
107.024	126.036	Bore b	
107.026	126.037		
116.032	126.039		
116.033	126.044		
123	126.045		

[1]) Vehicles in (J) version only.
[2]) (USA)

a, b Bores for ball joint of connecting rod
c Locating bores in lever and in housing in center position of control shaft for locating pin 4.0 mm dia.

Lubricant for steel-mounted 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.

Note

After exchanging connecting rod, readjust vehicle level on rear axle again under load (40–310).

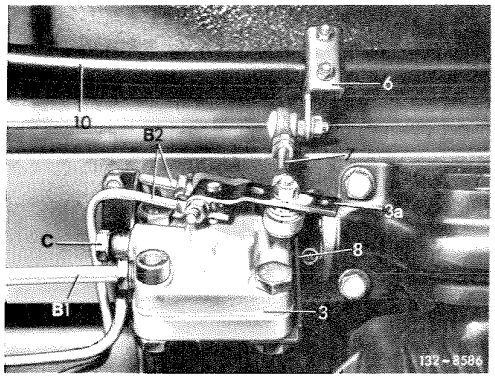
Removal

1 Unscrew hex. nuts of connecting rod (7) on lever of level controller and on lever of torsion bar.

If required, hold ball pin joints in plastic bearings with open-end wrench 10 mm or ball pin of steel joints with an angle screwdriver.

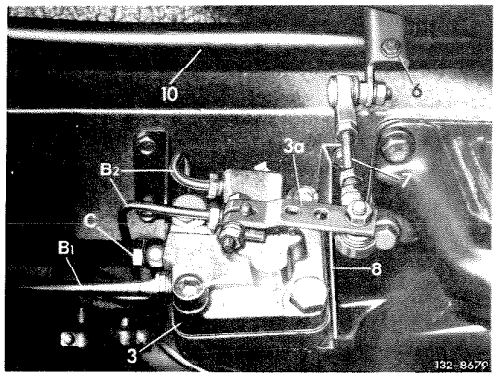
Model 116
Level controller on diagonal swing axle
without starting torque compensation

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		



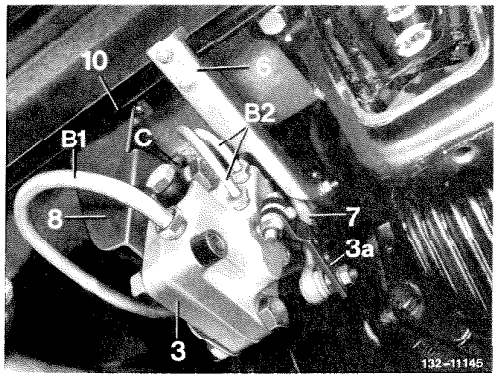
Model 116
Level controller on diagonal swing axle
with starting torque compensation

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		



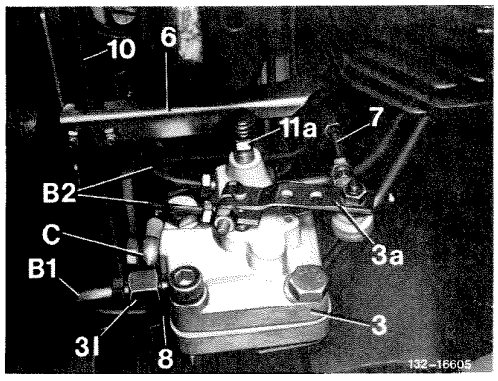
Model 123
Level controller on diagonal swing axle
without starting torque compensation
1st version up to February 1977

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		



Model 123
Level controller on diagonal swing axle
without starting torque compensation
2nd version starting March 1977

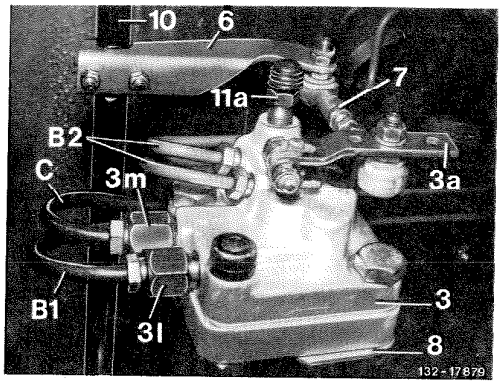
3	Level controller	B1	Pressure line pressure oil pump – level controller
3a	Lever on level controller	B2	Pressure line level controller – pressure reservoir
3l	Connection	C	Return flow line level controller – fluid reservoir
6	Lever on torsion bar		
7	Connecting rod		
8	Bracket		
10	Torsion bar		
11a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



32-660 R and R level controller connecting link

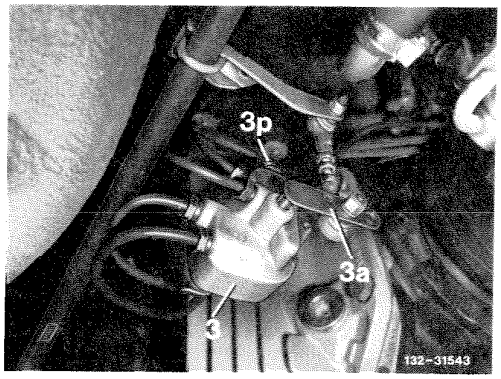
Model 126
Level controller on diagonal swing axle without starting torque compensation

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



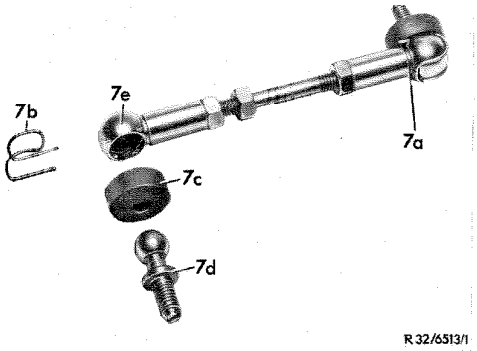
Model 126 version starting 9/85

3	Level controller
3a	Lever on level controller
3p	Bleed screw



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

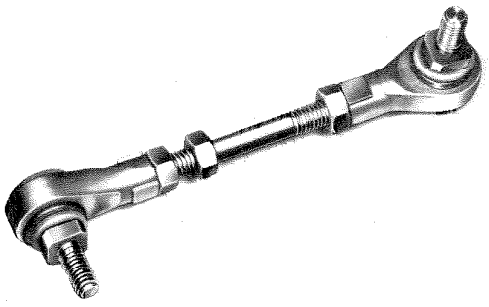
3 On 1st version with steel joints (standard up to March 1971) remove respective locking clip (7b) and pull off ball pin. Provide ball sockets with grease Replace damaged sealing washers (7c) or worn-out ball joints.



Connecting rod with steel joints
1st version up to March 1971

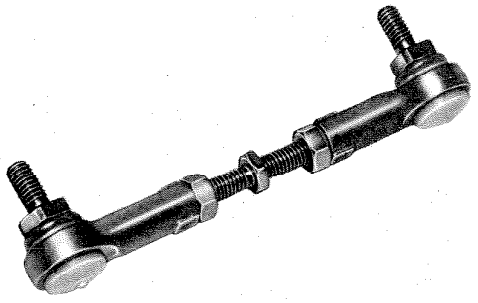
7a	Ball joint	7d	Ball pin
7b	Locking clip	7e	Ball socke
7c	Sealing washer		

Attention!
Do not pull ball pin of plastic-mounted ball joints out of ball socket.



Connecting rod with ball join
mounted on plastic bearings

2nd version starting April 19

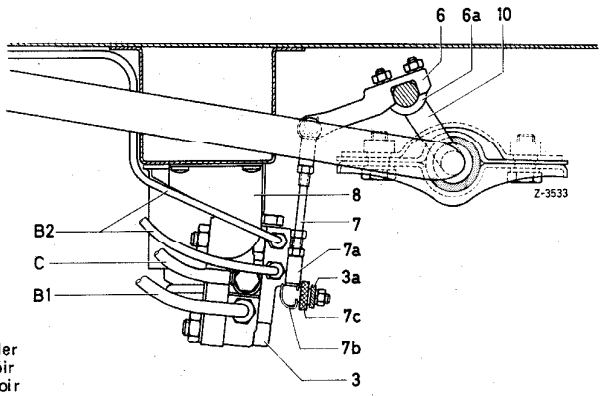


Connecting rod with ball joints
mounted on plastic bearings
3rd version starting March 1979

132-19672

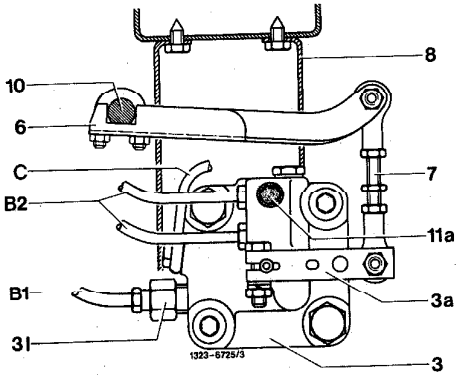
Installation

4 Attach connecting rod lever to lever of level controller and to lever of torsion bar. Make sure that lever (6) of torsion bar is in alignment with connecting rod.



Model 107, 114, 115
Layout of level controller

3 Level controller
3a Lever on level controller
6 Lever on torsion bar
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



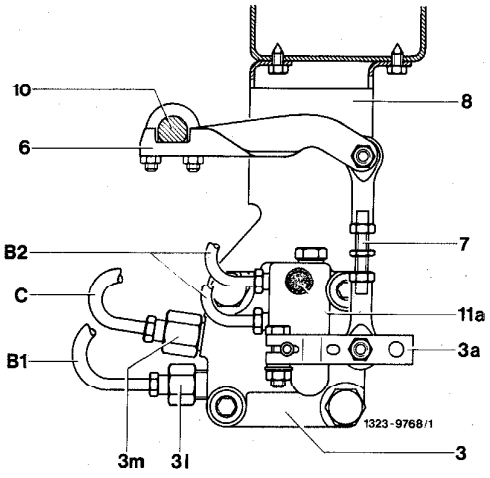
Model 123
Layout of level controller

3 Level controller
3a Lever on level controller
3l Connection
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 line level controller – fluid reservoir

32-660 R and R level controller connecting link

Model 126
Layout of level controller

3 Level controller
3a Lever on level controller
3l Connection for pressure line (B1)
3m Connection for return 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 line level controller – fluid reservoir

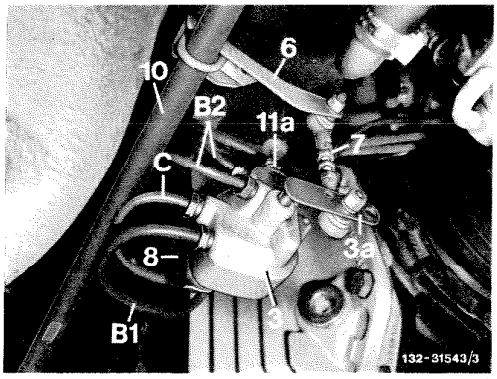


5 Check fastening clip (6a) for tight seat on torsion bar.

Model 126 version starting 9/85

Layout of level controller

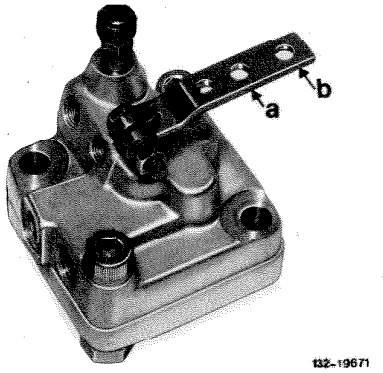
3 Level controller
3a Lever on level controller
6 Lever on torsion bar
7 Connecting rod
8 Bracket
10 Torsion bar
11a Bleed screw
B1 Pressure line pressure oil pump – level controller
B2 Pressure line level controller – pressure reservoir
C Return line level controller – fluid reservoir



Version up to 8/85

Attention!
Starting December 1972 a level controller with a larger lever has been installed. This lever has two bores for attaching connecting rod. The bores for the connecting rod for the various models are shown in table.

„a" = Bore for connecting rod of diagonal swing axle without starting torque compensation **(not model 123)**
„b" = Bore for connecting rod of diagonal swing axle with starting torque compensation **(and model 123)**

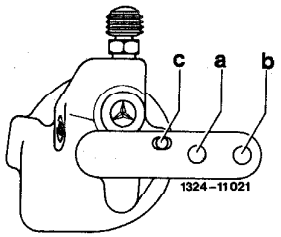


Version starting 9/85

„a" = Bore for connecting rod of diagonal swing axles **without** starting torque compensation

„b" = Bore for connecting rod of diagonal swing axles **with** starting torque compensation

„c" = Locating bores in lever and in housing in center position of controller control shaft for pin dia. 4 mm



6 Checking and adjusting vehicle level on rear axle under load (40–310).