

# JOST



**Repair manual**

## **Fifth-wheel coupling JSK 38/50**



Fifth wheel couplings are connecting parts that must comply with very high safety requirements and must also undergo design approval tests.

This repair manual is designed to act as a guide to completing repair work to our fifth wheel couplings. It is essential that you use JOST spare parts to do this work.

Modifications for any kind will render both the warranty and the type approval void.

Instructions for the operation and installation of the fifth wheel couplings and the permitted load data for them are provided in separate documents.

<b>1 Safety instructions .....</b>	<b>3</b>
<b>2 Troubleshooting .....</b>	<b>4</b>
<b>3 Standard and special tools and operating media .....</b>	<b>5</b>
3.1 Standard tools .....	5
3.2 Special tools .....	5
3.3 Operating media .....	5
<b>4 Repair work .....</b>	<b>6</b>
4.1 To remove and install pedestal version JSK 38 C .....	7
4.2 To remove and install pedestal version JSK 38 G .....	9
4.3 To remove and install pedestal version JSK 50 .....	12
4.4 To remove rocker arm version JSK 38 G .....	13
4.5 To install rocker arm version JSK 38 G ... ..	15
4.6 To remove and install rocker arm bearing version JSK 38 G .....	18
4.7 To remove and install the locking mechanism .....	20
4.8 To remove and install the wearing ring ... ..	21
4.9 To remove and install the lock jaw .....	22
4.10 To remove and install the lock .....	25
4.11 To remove and install the latch mechanism .....	26
4.12 To remove and install the catch mechanism on version JSK 38 G .....	26
4.13 To adjust the locking mechanism .....	28
4.14 Wear limit, adjustment and inspection dimensions .....	28
<b>5 Spare parts for version JSK 38 C .....</b>	<b>31</b>
<b>6 Spare parts list for version JSK 38 G .....</b>	<b>33</b>
<b>7 Spare parts list for version JSK 50 ... ..</b>	<b>36</b>
<b>8 Waste disposal instructions .....</b>	<b>38</b>

## 1 Safety instructions

The relevant safety regulations in your country (for example Health + Safety at work) apply for working with fifth wheel couplings and tractor units.

The appropriate safety instructions in the tractor unit and trailer owner's handbooks are to be followed.

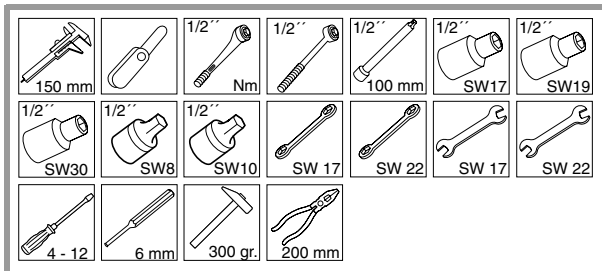
## 2 Troubleshooting

Fault	Cause	Remedy
Fifth wheel coupling will not lock.	<ol style="list-style-type: none"> <li>King pin position too high.</li> <li>Skid plate uneven, therefore the king pin is positioned incorrectly.</li> <li>King pin is not true to size or is damaged.</li> <li>Lock jaw deformed.</li> <li>Poor maintenance.</li> <li>Double tension spring defective.</li> <li>Lever and/or handle bent.</li> </ol>	<ol style="list-style-type: none"> <li>The skid plate should be at the same level or max. 50 mm lower than the fifth wheel coupling.</li> <li>Change the skid plate. Permitted flatness tolerance max. 2 mm.</li> <li>Replace the king pin.</li> <li>Replace lock jaw SK 2405-13 or SK 2405-13Z and SK 2405-14 or SK 2405-14Z.</li> <li>Open the mechanism and grease it.</li> <li>Replace double tension spring SK 2405-23.</li> <li>Replace or straighten the lever SK 2405-04 and handle SK 2405-066.</li> </ol>
The fifth wheel coupling will not unlock.	<ol style="list-style-type: none"> <li>The semi-trailer unit is not flat or is pulling on the coupling.</li> <li>Poor maintenance, damage to the lock jaw or locking bar or incorrect lock jaw adjustment.</li> </ol>	<ol style="list-style-type: none"> <li>Relieve the strain on the fifth wheel coupling locking mechanism.</li> <li>The fifth wheel coupling can be opened by force as follows: Undo the lock nut on adjusting screw SK 2421-52 and tighten the screw (max. 30 Nm) to prestress the locking mechanism. Swing the handle forwards to disengage the lock. Have a second person on the opposite side of the fifth wheel coupling with a crow bar (20 mm in diameter and approx. 600 mm long) hit the tip of the locking bar SK 2405-01 through the hole provided for this purpose in the rib so as to release the bar. Then rectify the poor maintenance problem, check the wear parts for signs of damage and repair them if necessary and reset the locking mechanism.</li> </ol>
Fifth wheel coupling does not stay in its pre-set position.	<ol style="list-style-type: none"> <li>Lock jaw deformed.</li> <li>Spring defective.</li> <li>Poor maintenance.</li> </ol>	<ol style="list-style-type: none"> <li>Replace lock jaw SK 2405-13 or SK 2405-13Z and SK 2405-14 or SK 2405-14Z.</li> <li>Replace spring SK 2106-01.</li> <li>Open the mechanism.</li> </ol>
Fifth wheel coupling does not stay in its open position.	<ol style="list-style-type: none"> <li>Stopper deformed.</li> <li>Spring defective.</li> </ol>	<ol style="list-style-type: none"> <li>Replace the stopper SK 2405-27 and hexagonal screw SK 2421-51.</li> <li>Replace spring SK 2106-01.</li> </ol>
Movement between the fifth wheel coupling and the trailer (banging).	<ol style="list-style-type: none"> <li>Bearing has excessive play.</li> <li>Locking mechanism has excessive play.</li> </ol>	<ol style="list-style-type: none"> <li> <p><b>Version JSK 38 C</b> Replace the upper rubber cushion SK 2006, lower rubber cushion SK 2007 and hexagonal screw SK 2421-55 if they show signs of wear (see 4.1).</p> <p><b>Version JSK 38 G</b> Replace the bearing bush SK 2504-16, spacer washer SK 2504-14 and spacer washer SK 1192/1 if they show signs of wear (see 4.2). Tighten the hexagonal screw SK 2034.</p> <p><b>Version JSK 50</b> Replace bearing bush SK 2805-03 if it shows signs of wear (see 4.3). Tighten the locking screw SK 2521-05.</p> </li> <li>Check the king pin and replace it if it shows signs of wear. If there is still play despite the king pin being the correct size, adjust the locking mechanism (see 4.13). If this does not produce the required result, replace the lock jaw SK 2405-13 or SK 2405-13Z or SK 2405-14 or SK 2405-14Z, wear ring SK 2421-57 or SK 2421-56, locking bar SK 2405-01 and locking bolt SK 2121-14.</li> </ol>

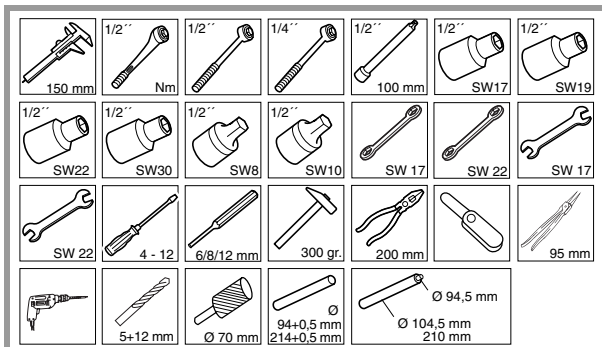
## 3 Standard and special tools and operating media

### 3.1 Standard tools

JSK 38 C, JSK 50



JSK 38 G



### 3.2 Special tools

JSK 38 C, JSK 38 G, JSK 50



### 3.3 Operating media

High pressure grease (EP) with MoS<sub>2</sub> or graphite additive, for example

Collgranit A3 paste

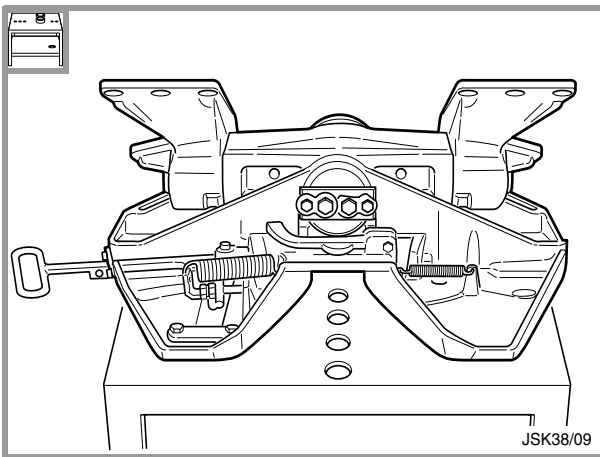
Turmogear grease B2, Lubcon ([www.lubcon.com](http://www.lubcon.com))

## 4 Repair work

- ▶ Repair work is to be completed by trained personnel.
- ▶ Repair work is to be completed with suitable tools using state of the art methods.
- ▶ The item numbers in the drawings refer to the spare parts lists in sections 5 – 7.
- ▶ Instructions for assembly are marked with a diamond ◇.
- ▶ The assembly work is to be completed following the instructions for removal in reverse, unless described separately.
- ▶ The torque values shown in the drawings are required for the assembly procedure.
- ▶ Clean all the parts thoroughly before assembly.
- ▶ After completing the work, grease the locking mechanism and check that it works.



**It is essential that you use the torque values shown in the drawings.  
Worn, damaged and torn parts must always be replaced.  
Repair welding is not allowed.**

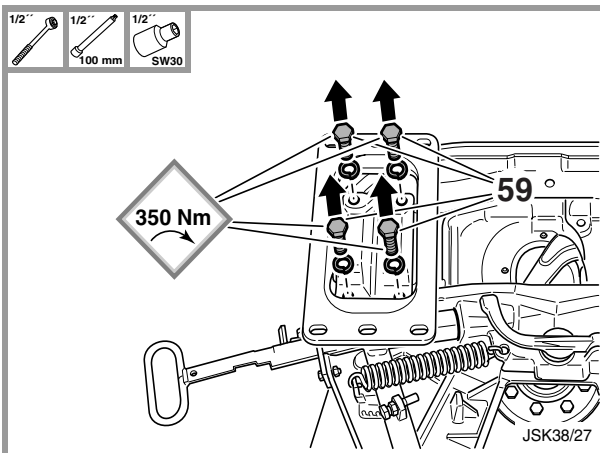


**The fifth wheel coupling may only be lifted using suitable lifting gear.**

- ▶ Take the fifth wheel coupling off the tractor unit and place it on work bench SK 2702-10.

## 4 Repair work

### 4.1 To remove and install pedestal version JSK 38 C

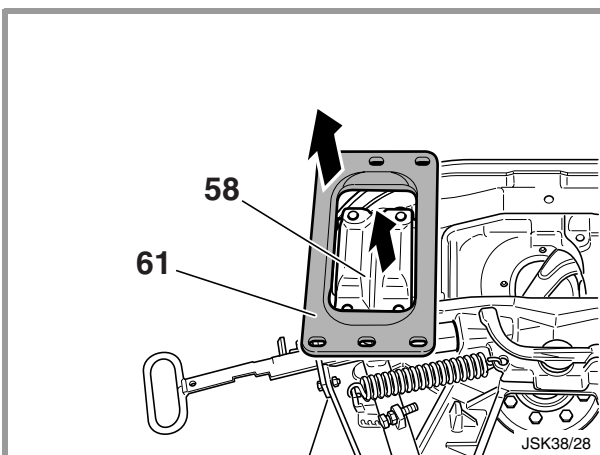


59 Hexagonal screw, complete

#### Note

Before removing the pedestal, check it for signs of wear (see 4.14) and cracks.

- ▶ Undo the hexagonal screws (59).

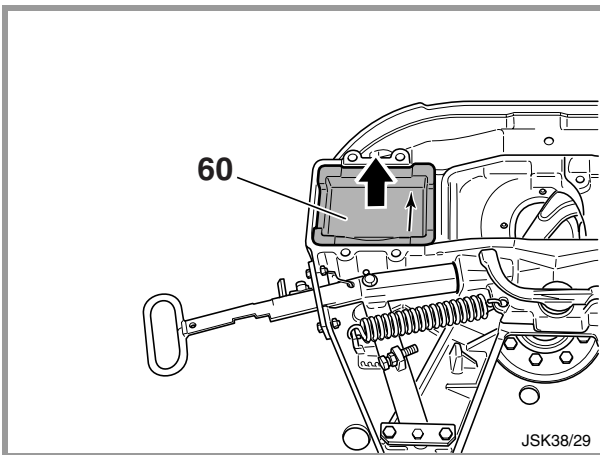


58 Bridge

61 Pedestal

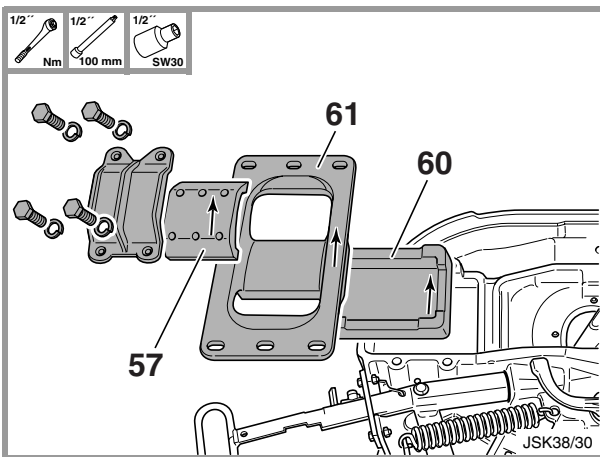
- ▶ Remove the pedestal (61) and bridges (58).

## 4 Repair work



60 Rubber cushion, upper

- ▶ Take out the upper rubber cushion (60).



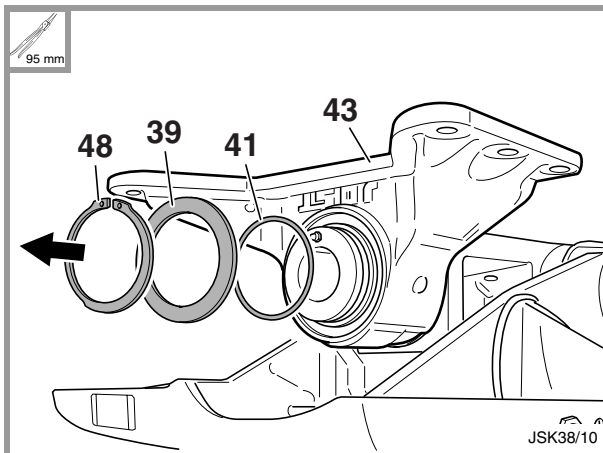
57 Rubber cushion, lower

60 Rubber cushion, upper

61 Pedestal

- ◇ When installing the bearing ensure that the arrows on the rubber cushions (60) and (57) and on the pedestal (61) are installed pointing towards the front.

### 4.2 To remove and install pedestal version JSK 38 G



- 39 Spacer washer
- 41 Round seal
- 43 Pedestal
- 48 Securing ring

#### Note

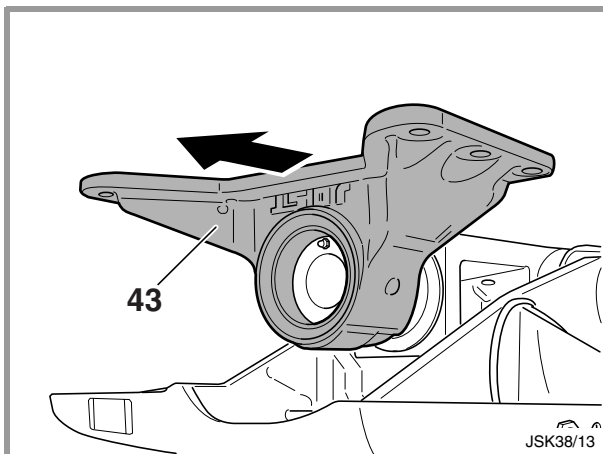
Before removing the pedestal (43), check it for signs of wear (see 4.14) and cracks.



#### Danger of injury.

The locking ring (48) is under great tension.

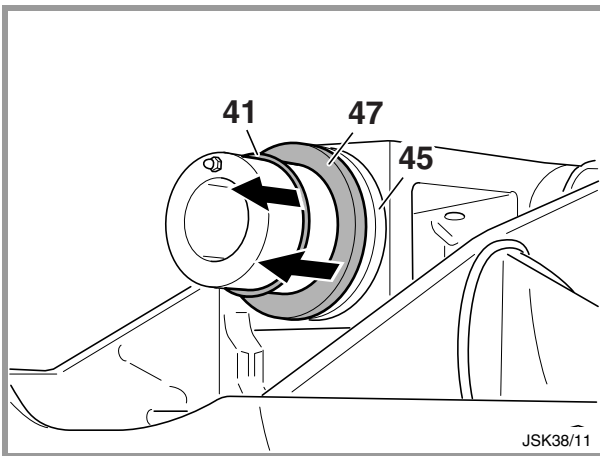
- ▶ Remove the locking ring (48), spacer washer (39) and round seal (41).



- 43 Pedestal

- ▶ Remove the pedestal (43).

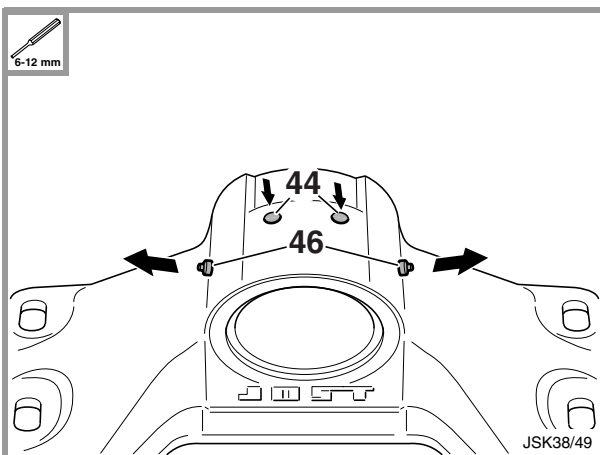
## 4 Repair work



- 41 Round seal
- 45 Rocker arm
- 47 Spacer washer

▶ Remove the round sealing ring (41) and spacer washer (47).

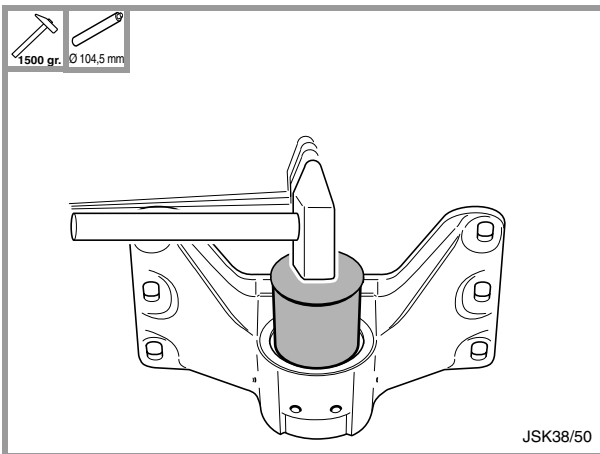
◇ When you install the pedestal, install the chamfer on the spacer washer (47) so that it points towards the rocker arm (45).



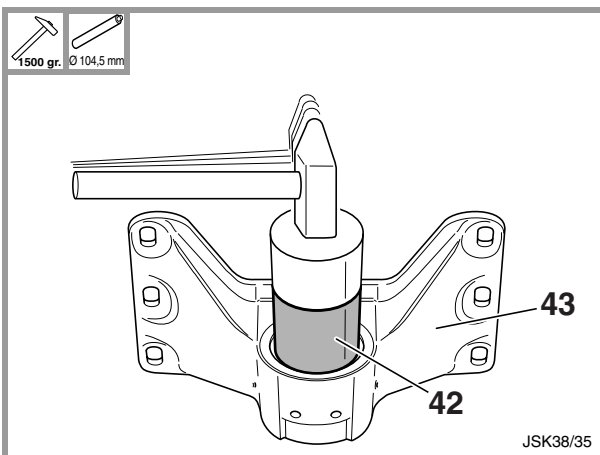
- 44 Cylindrical notched pin
- 46 Conical grease nipple

▶ Undo the conical grease nipples (46) and drive the cylindrical notched pins (44) inwards using a split pin driver with a diameter of 12 mm.

## 4 Repair work

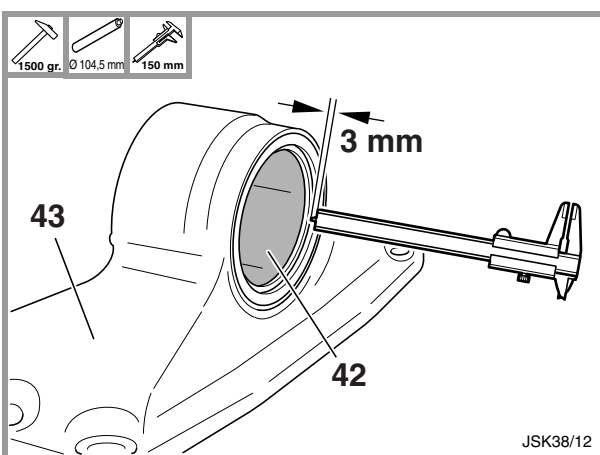


- ▶ Drive out the bearing bush using a bolt with a diameter of 104.5 mm.



- 42 Bearing bush
- 43 Pedestal

- ◇ Apply a thin coating of grease to the new bearing bush (42) and carefully drive it into the pedestal (43) using the bolt.

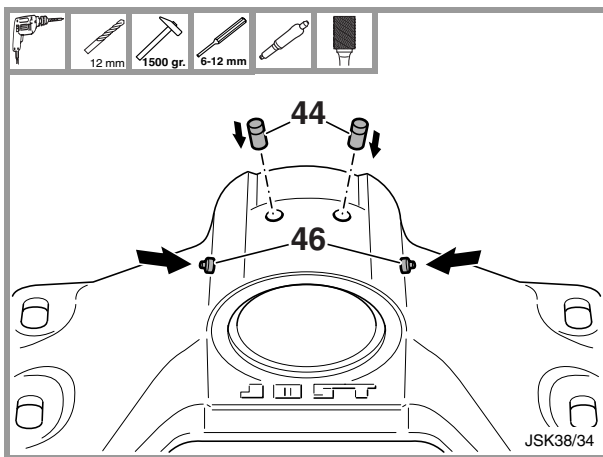


- 42 Bearing bush
- 43 Pedestal

- ◇ Apply a thin coating of grease to the inside of the pedestals (43) before installing the bearing bushes (42).

Drive the bearing bush (42) 3 mm into the pedestal (43).

## 4 Repair work



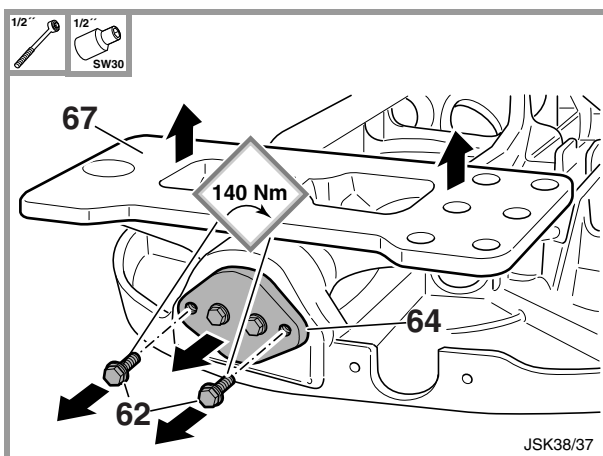
- 44 Cylindrical notched pin
- 46 Conical grease nipple

◇ Drill 12 mm holes in the bearing bush (42) to install the new cylindrical notched pins (44).

Drive the cylindrical notched pins into position using a split pin driver with a diameter of 12 mm. Adjust any projecting cylindrical notched pins (44) on the inside if necessary using a rotary grinder.

Drill 5 mm holes in the bearing bush (42) to install the conical grease nipples (46). Screw in the conical grease nipples (46).

### 4.3 To remove and install pedestal version JSK 50



- 62 Securing screw
- 64 Plate
- 67 Pedestal

#### Note

Before removing the pedestal (67), check it for signs of wear (see 4.14) and cracks.

- ▶ Undo the screws (62) and pull out the plate (64) with the bolts secured to it.
- ▶ Remove the pedestal (67).

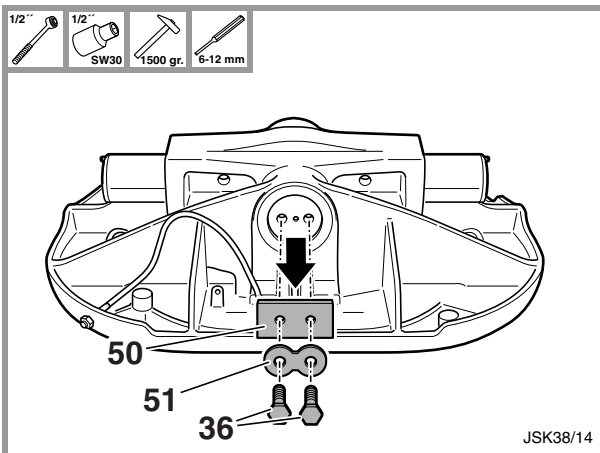
#### Note

Replace the bearing bushes using the procedure described in 4.2.

◇ The recess in the pedestal must point outwards during the installation work.

## 4 Repair work

### 4.4 To remove rocker arm version JSK 38 G



36 Hexagonal screw

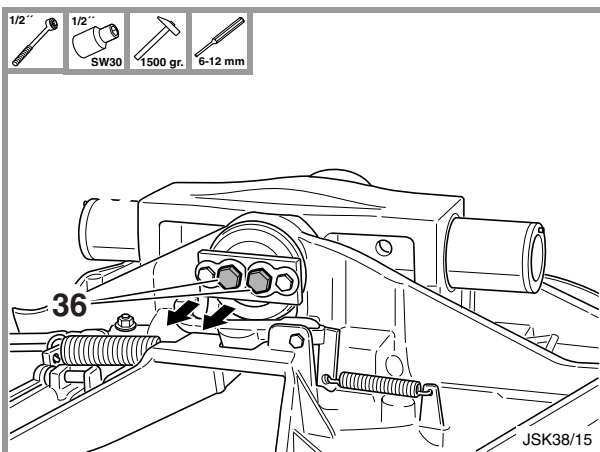
50 Clamp plate

51 Securing plate

#### Note

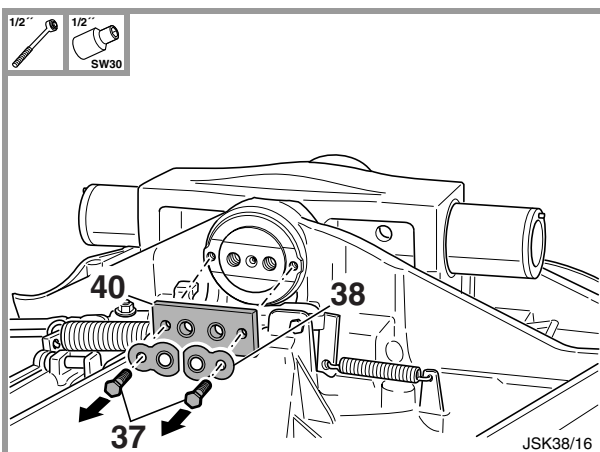
Before removing the rocker arm, check it for signs of wear (see 4.14) and cracks.

- ▶ Remove the pedestals (see 4.2).
- ▶ Release the screws (36) and undo them. Remove the securing plate (51) and clamp plate (50).



36 Hexagonal screw

- ▶ Release the screws (36) and undo them.



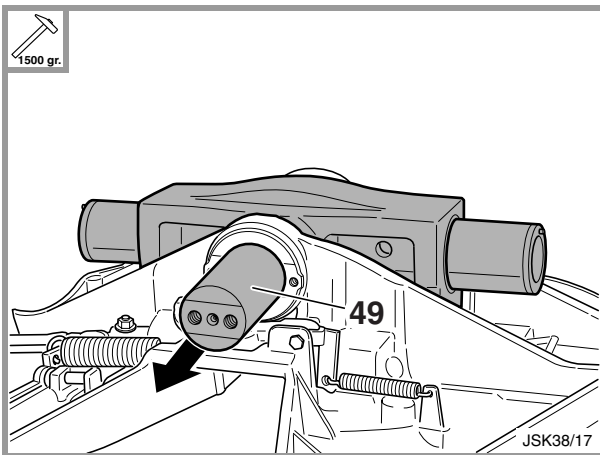
37 Hexagonal screw

38 Securing plate

40 Plate

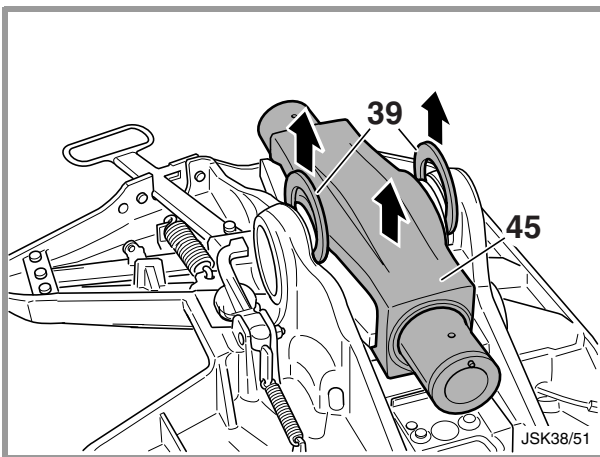
- ▶ Undo the screws (37). Remove locking plates (38) and plate (40).

## 4 Repair work



49 Bearing bolt

- ▶ Drive out the bearing bolts (49).

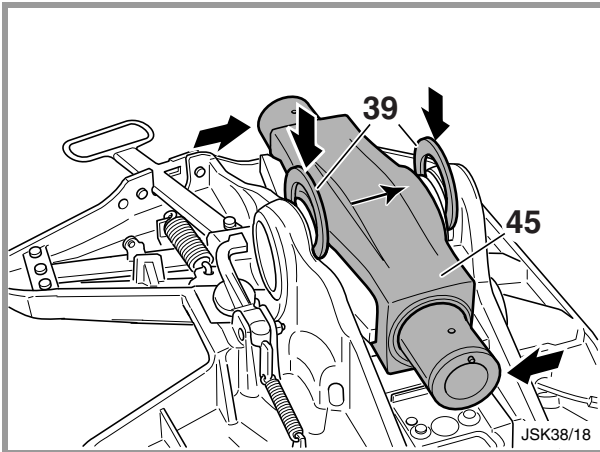


39 Spacer washer

45 Rocker arm

- ▶ Remove the rocker arm (45) and spacer washers (39) with the round sealing rings (41).

### 4.5 To install rocker arm version JSK 38 G

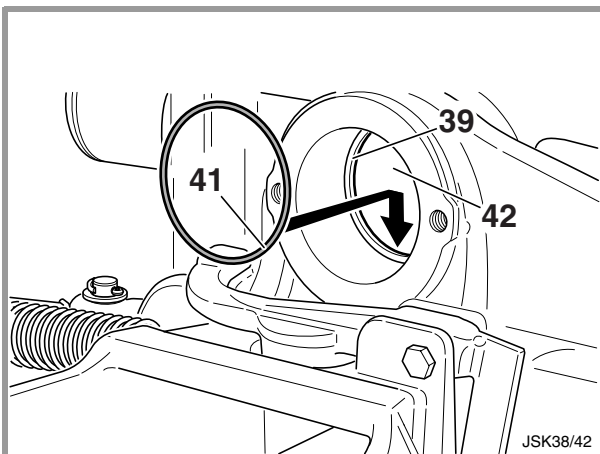


39 Spacer washer

45 Rocker arm

- ◇ Apply a thin coating of grease to the inside of the bearing bushes before installing them. The installation arrow on the rocker arm (45) must point to the front of the vehicle.

Install the rocker arm (45) into the coupling plate. Insert the spacer washers (39) between the rocker arm (45) and the rocker arm bearing. Bend the rocker arm (45) slightly as you insert the spacer washers (39). This prevents the spacer washers (39) from falling out.



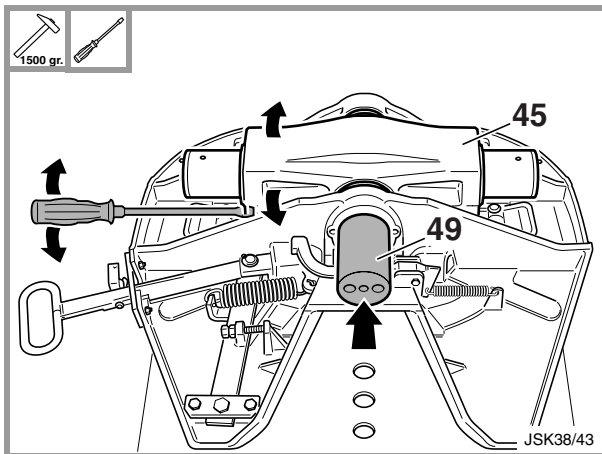
39 Spacer washer

41 Round seal

42 Bearing bush

- ◇ Apply a thin coating of grease to the round sealing ring (41) and insert it between the bearing bush (42) and spacer washer (39).

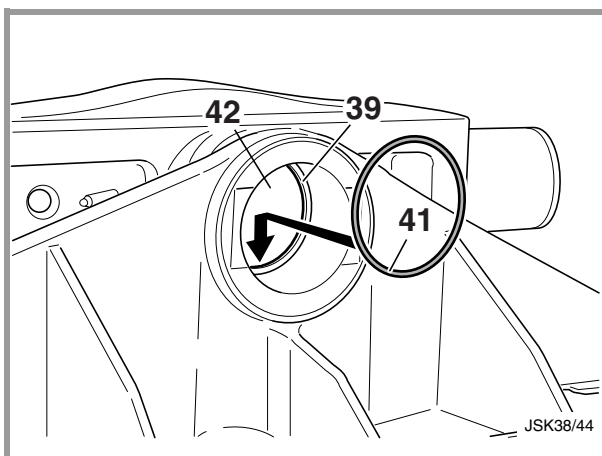
## 4 Repair work



- 45 Rocker arm
- 49 Bearing bolt

◇ Push the bearing bolts (49) approx. 2/3 of their overall length into the rocker arm (45).

As you do so insert a flat screwdriver as shown to compensate for the height difference between the rocker arm (45) and the rocker arm bearing.



- 39 Spacer washer
- 41 Round seal
- 42 Bearing bush
- 49 Bearing bolt

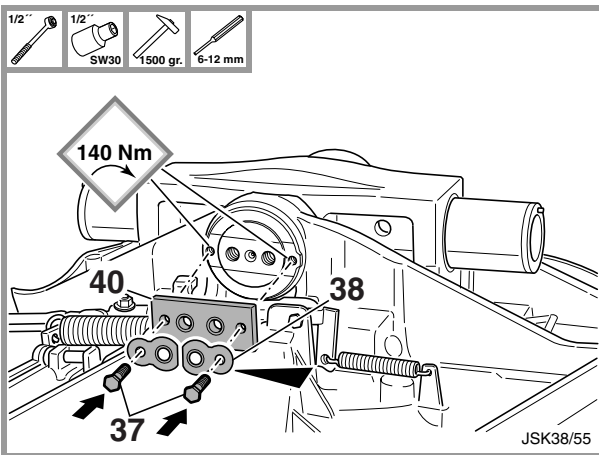
◇ Apply a thin coating of grease to the second round sealing ring (41) and insert it between the bearing bush (42) and spacer washer (39). Push the bearing bolts (49) in as far as possible.

### Note

Alternatively the bearing bolt (49) can be inserted using a tool (bolt or pipe with a diameter of  $94+0.5$  mm and a length of  $214+0.5$  mm):

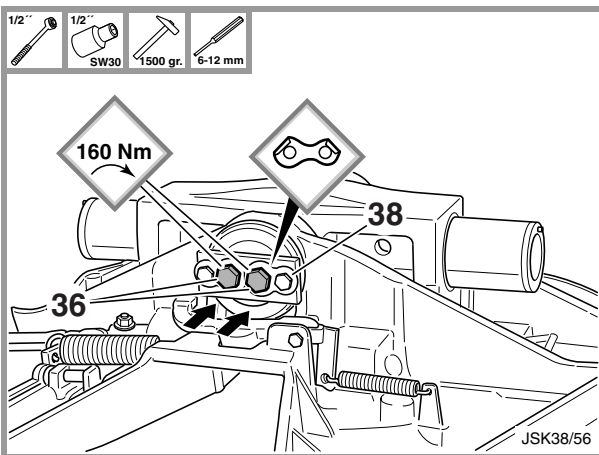
Push the tool into the hole in the rocker and slide on the round sealing rings (41) and spacer washers (39). Insert the rocker arm (45) and push out the tool by pushing in the bearing bolt (49).

## 4 Repair work



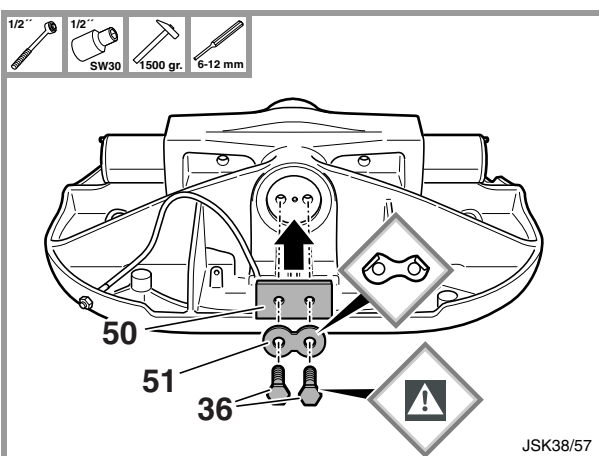
- 37 Hexagonal screw
- 38 Securing plate
- 40 Plate

◇ Screw on the securing plate (38) and plate (40) using the screws (37).



- 36 Hexagonal screw
- 38 Securing plate

◇ Screw in screws (36) and bend over the locking tab (38).



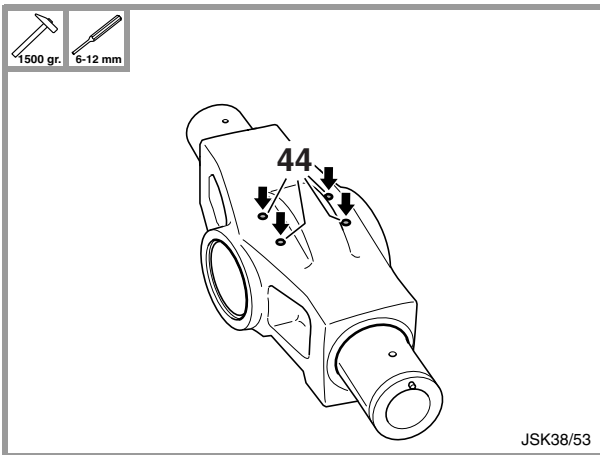
- 36 Hexagonal screw
- 50 Clamp plate
- 51 Securing plate

**⚠ As you install the rocker arm (max. tightening torque 300 Nm), tighten the screws (36) until the rocker arm bearing has almost zero play.**

◇ Screw on the new securing plate (51) and clamp plate (50) using the screws (36).

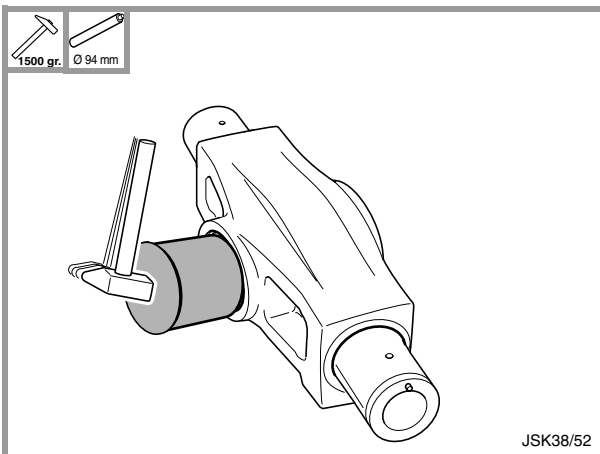
## 4 Repair work

### 4.6 To remove and install rocker arm bearing version JSK 38 G

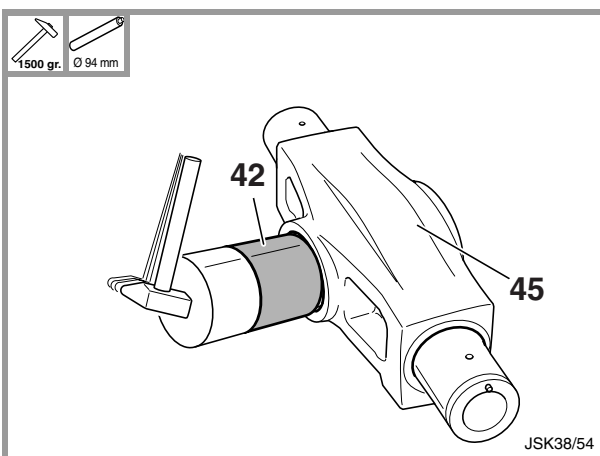


44 Cylindrical notched pin

- ▶ Drive the cylindrical notched pins (44) inwards using a split pin driver with a diameter of 12 mm.



- ▶ Drive out the bearing bushes using a bolt with a diameter of 94 mm.

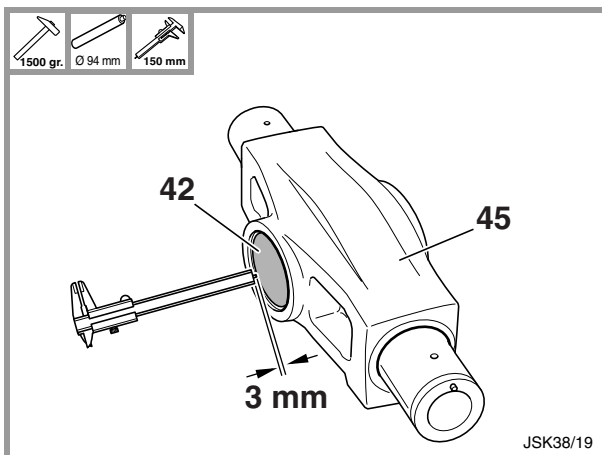


42 Bearing bush

45 Rocker arm

- ◇ Apply a thin coating of grease to the new bearing bushes (42) and carefully drive them into the rocker arm (45) using the bolt with a diameter of 94 mm.

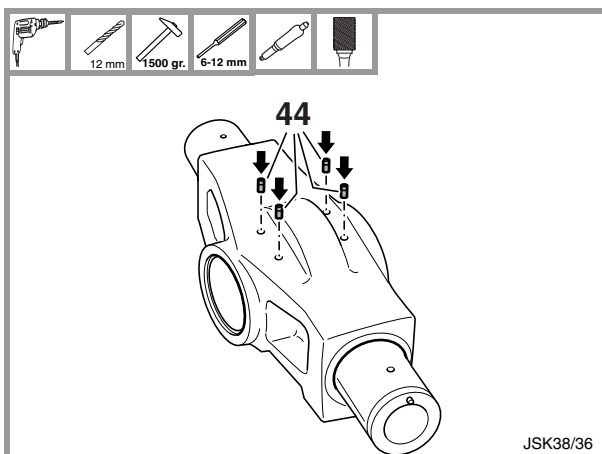
## 4 Repair work



42 Bearing bush

45 Rocker arm

◇ Drive the bearing bushes (42) on both sides 3 mm into the rocker arm (45).



44 Cylindrical notched pin

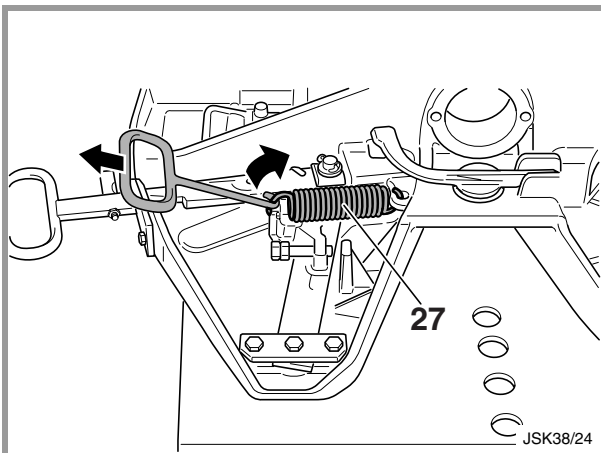
◇ Drill 12 mm holes in the bearing bush to install the new cylindrical notched pins (44).

Drive the cylindrical notched pins (44) into position using a split pin driver with a diameter of 12 mm.

Adjust any projecting cylindrical notched pins (44) on the inside if necessary using a rotary grinder.

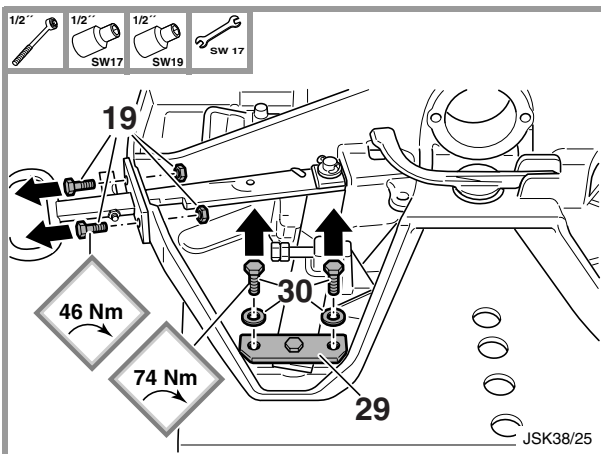
## 4 Repair work

### 4.7 To remove and install the locking mechanism



27 Double tension spring

- ▶ Release the double spring (27).

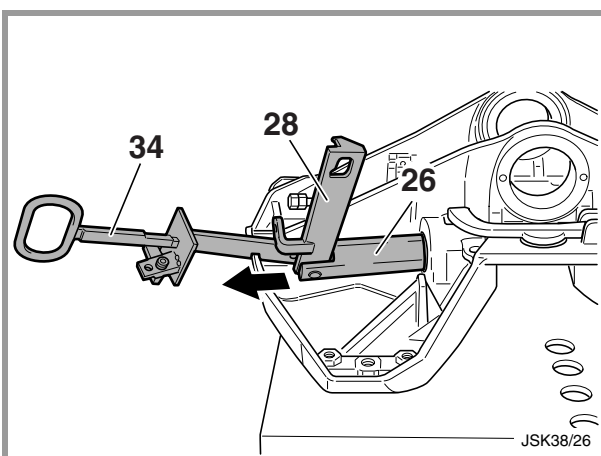


19 Hexagonal screw, complete

29 Bearing

30 Hexagonal screw

- ▶ Release the screws (30) and undo the screw connections (19). Raise the bearing (29).



26 Locking bar

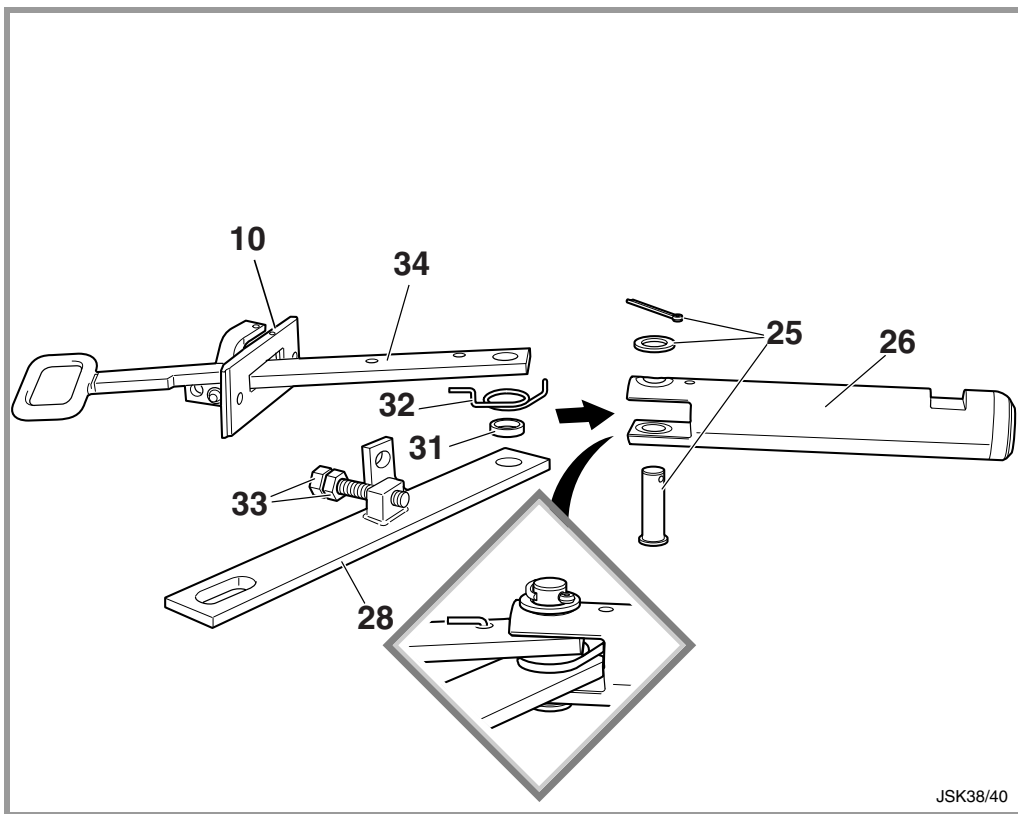
28 Lever

34 Handle

- ▶ Turn the locking mechanism sideways and pull it out in the direction indicated by the arrow.

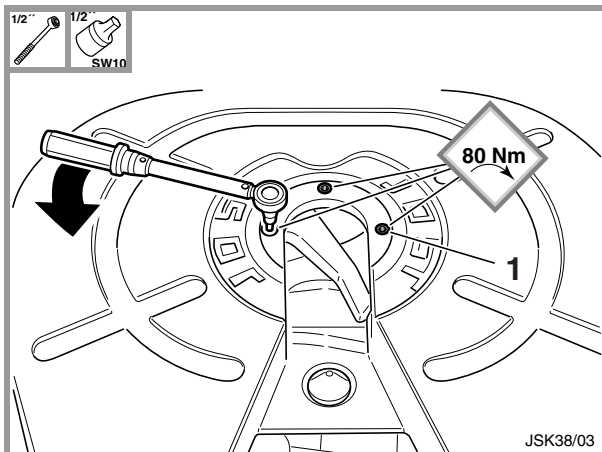
◇ As you install the locking mechanism grease all the moving parts. Adjust the locking mechanism as described in 4.13.

## 4 Repair work



- 10 Latch mechanism holder
- 25 Locking bolt (complete)
- 26 Locking bar
- 28 Lever
- 31 Washer
- 32 Spring sling
- 33 Hexagonal screw (complete)
- 34 Handle

### 4.8 To remove and install the wearing ring



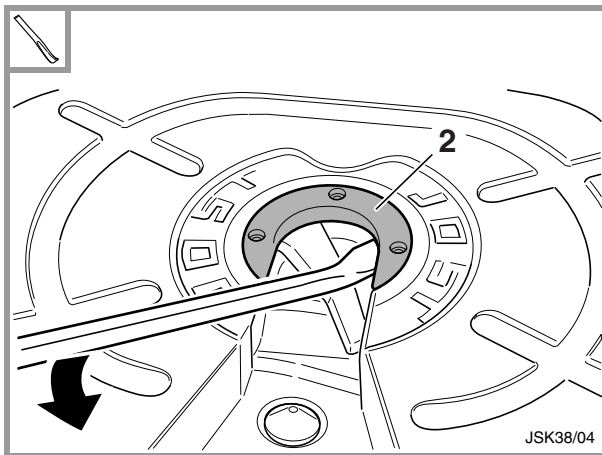
- 1 Socket head bolt

#### Note

The wearing ring may be adjusted on the vehicle if it shows signs of wear or if the locking mechanism is changed from 2" to 3.5" (or vice versa).

- ▶ Undo the Allen bolts (1).

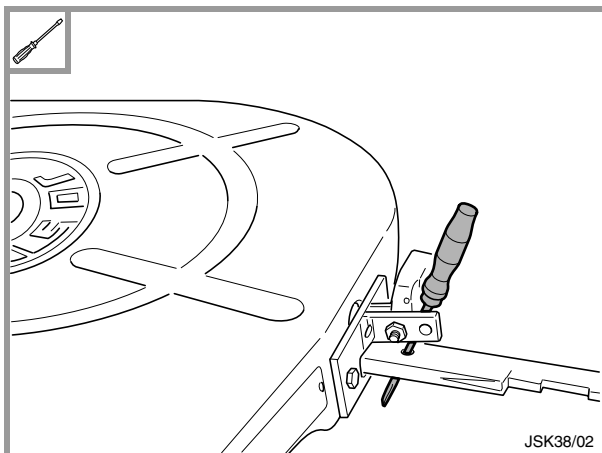
## 4 Repair work



2 Wearing ring

- ▶ Lever out the wearing ring (2) using a tyre lever.

### 4.9 To remove and install the lock jaw



#### Note

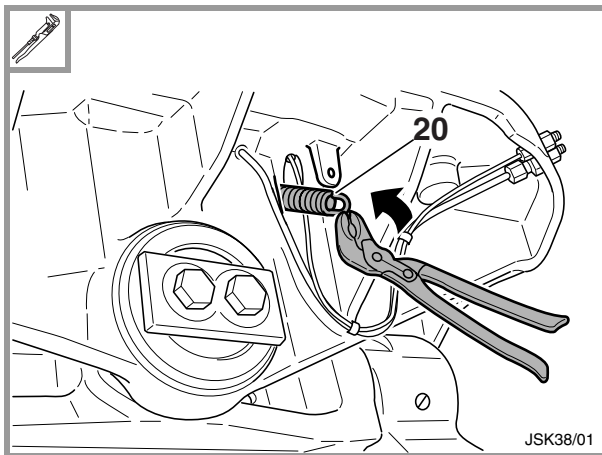
The lock jaw may be converted from 2" to 3.5" (or vice versa) on the vehicle in the event of wear or if the coupling lock is replaced (see statutory regulations).

- ▶ Remove the wearing ring (see 4.8).

 **Danger of crush injury.**  
**Secure the handle to prevent it locking by accident.**

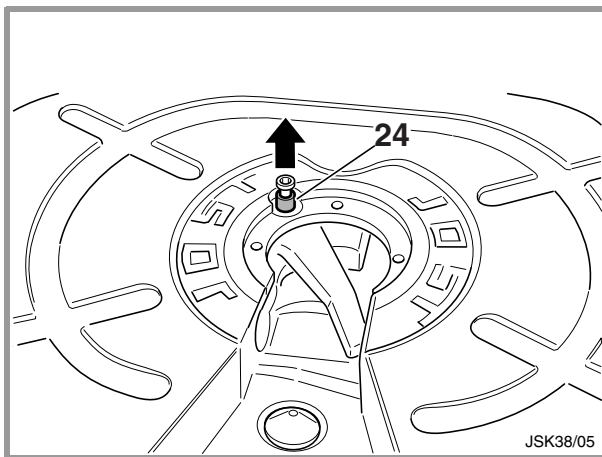
- ▶ Pull out the handle and secure it with a screwdriver as shown.

## 4 Repair work



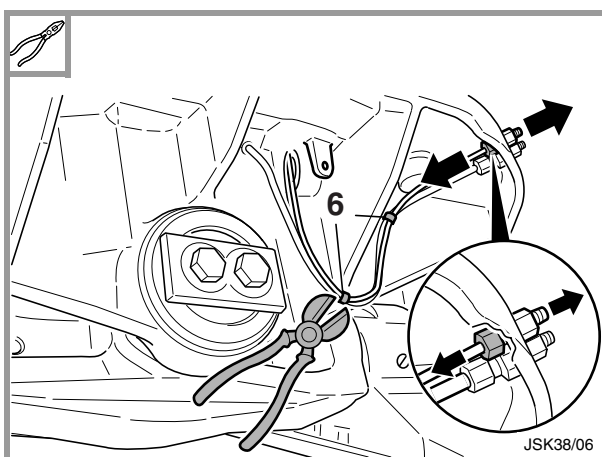
20 Spring

- ▶ Release the spring (20).



24 Bolt

- ▶ Pull out the bolt (24).

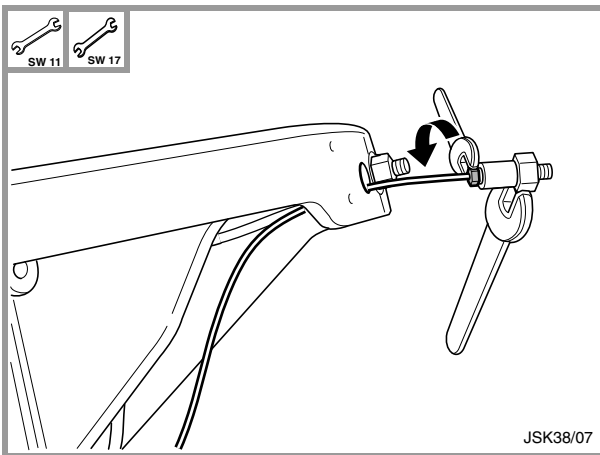


6 Cable tie

### Versions with central lubrication system only

Undo the cable ties (6).

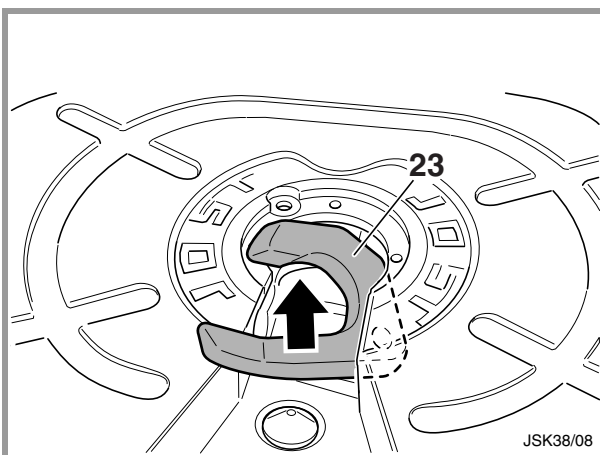
## 4 Repair work



### Versions with central lubrication system only

Unscrew the connection.

- ◇ During installation tighten the cap screw by hand and then tighten it a further 1.5 to 2 turns.



23 Lock jaw

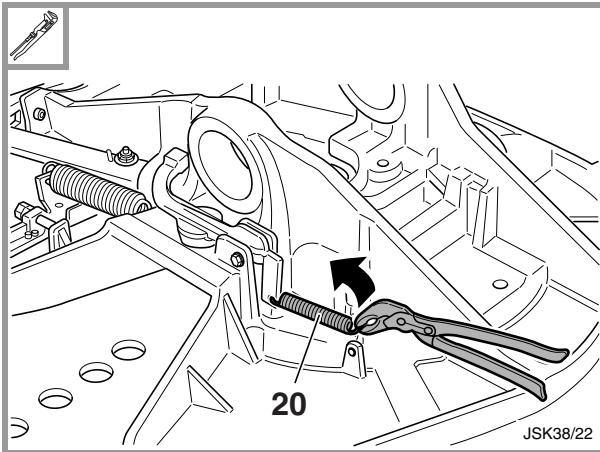
### All versions

Remove the lock jaw (23) as shown.

- ◇ Before installing the lock jaw (23), check the wear on the lock jaw (23) (see 4.14).

## 4 Repair work

### 4.10 To remove and install the lock

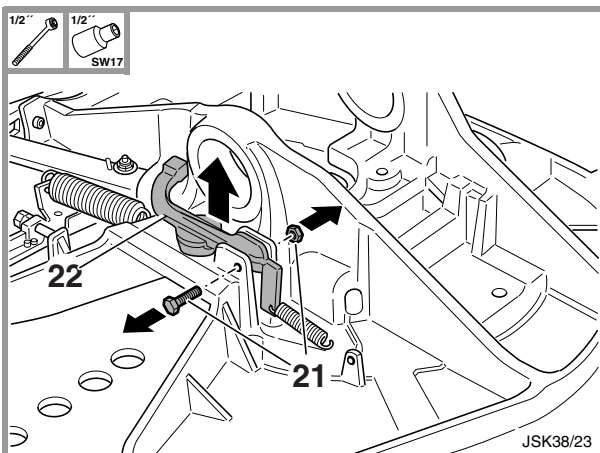


20 Spring

#### Note

Before removing the lock, check it for signs of wear or deformation (see 4.14).

- ▶ Release the spring (20).



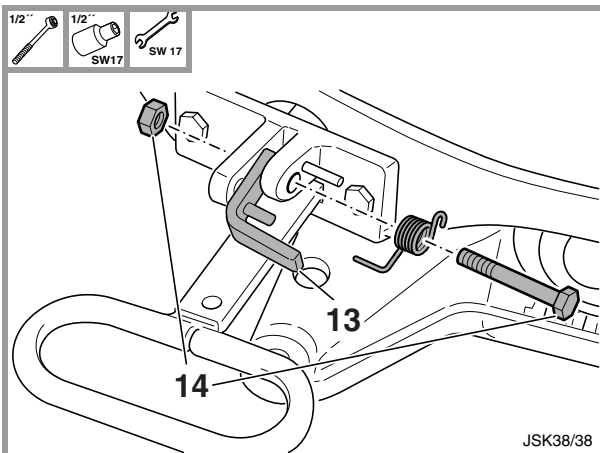
21 Hexagonal screw, complete

22 Stopper

- ▶ Undo the screw connection (21) and remove the stopper (22).

## 4 Repair work

### 4.11 To remove and install the latch mechanism

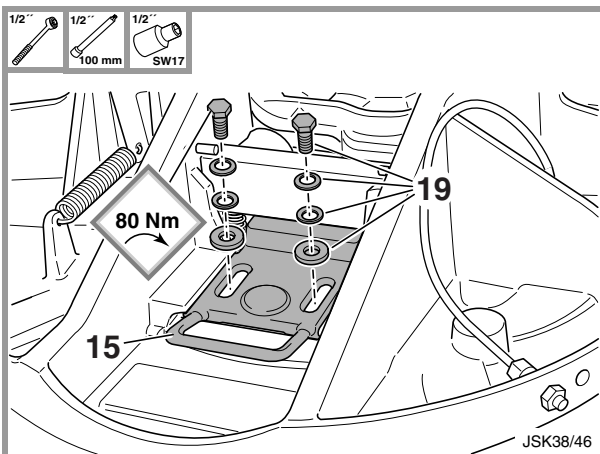


13 Latch mechanism, complete

14 Hexagonal screw, complete

- ▶ Undo the screw connection (14) and remove the catch (13).

### 4.12 To remove and install the catch mechanism on version JSK 38 G



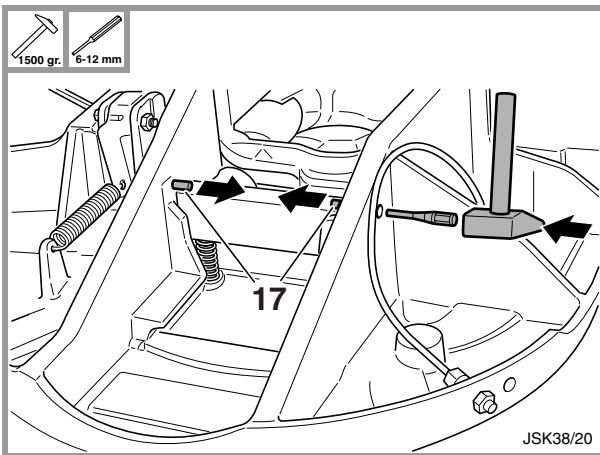
15 Blocking part, complete

19 Hexagonal screw, complete

- Undo the screw connection (19) and pull out the clamp (15).

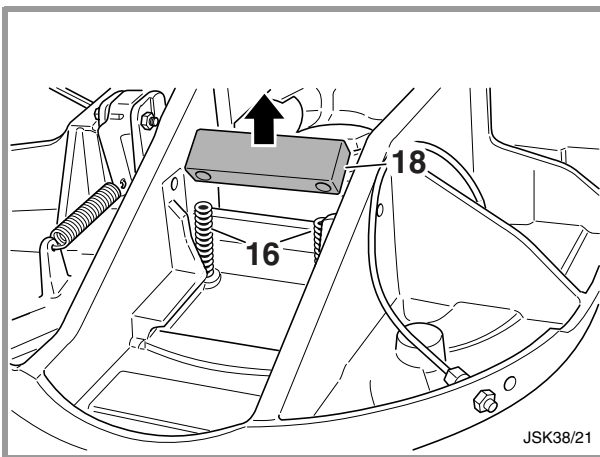
- ◇ When you install the clamp (15) ensure that the spring washers are fitted on the screw connection (19) as shown in the drawing.

## 4 Repair work



17 Clamp sleeve

- ▶ Drive out the clamp sleeves (17).



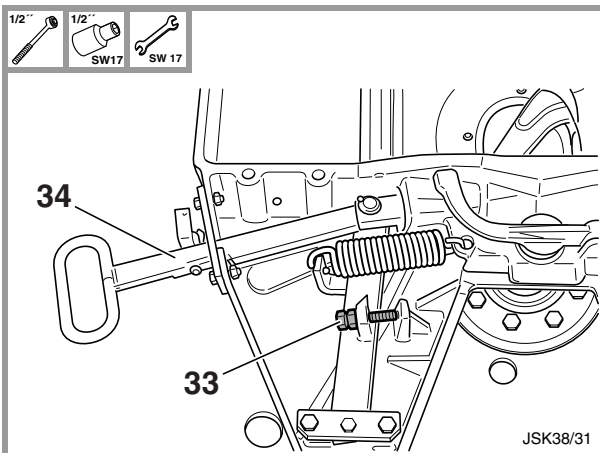
16 Compression spring

18 Block

- ▶ Remove the block (18) and compression springs (16).

## 4 Repair work

### 4.13 To adjust the locking mechanism



33 Hexagonal screw, complete

34 Handle

#### Note

The king pin should have play of at least 0.3 mm in the locking mechanism.

Adjust the locking mechanism with a correctly sized king pin that has a maximum overall wear limit of 0.25 mm.

Close the locking mechanism and undo the lock nut on the screw connection (33). Undo the screw connection (33) until it is no longer in contact with the stop.

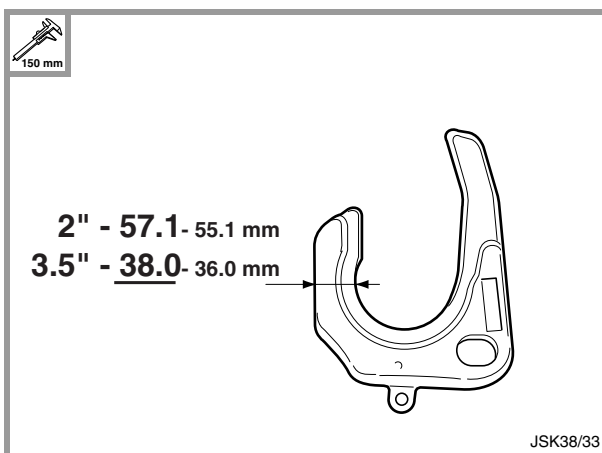
Move the locking bar to its limit position by tapping the handle (34) gently in the locking direction and recouple the trailer.

Tighten the screw connection (33) until the handle (34) starts to move.

From this point tighten the screw connection (33) approx. one more turn (one turn results in play of 0.3 mm).

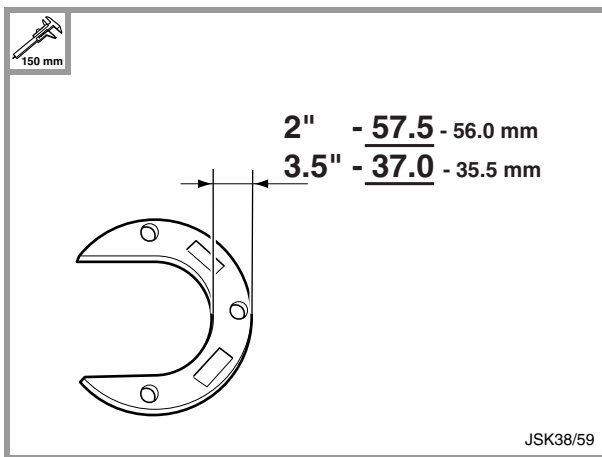
Tighten the lock nut on the screw connection (33).

### 4.14 Wear limit, adjustment and inspection dimensions



- ▶ When the wear limit has been reached, the affected 2" or 3.5" lock jaw must be replaced.

## 4 Repair work



- ▶ When the wear limit has been reached, the affected 2" or 3.5" wearing ring must be replaced.

### Bearing play on version JSK 38 C

Max. 7 mm – vertical and horizontal play. For the 160 mm design height the maximum vertical play is limited to 10 mm. If the play is any greater, replace the rubber pads.

### Bearing play on version JSK 38 G

Maximum 4 mm – vertical play on the pedestals and maximum 4 mm in the rocker arm bearing.

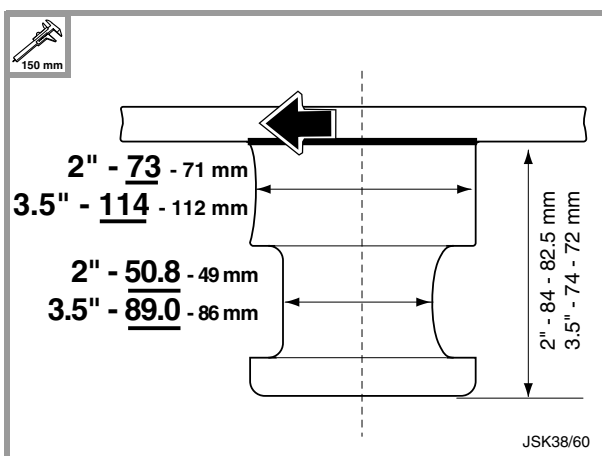
Maximum 2 mm – longitudinal play in the rocker arm bearing.

If the play is any greater, replace the bearing bushes.

### Bearing play on version JSK 50

Max. ± 4 mm – vertical play on the pedestals.

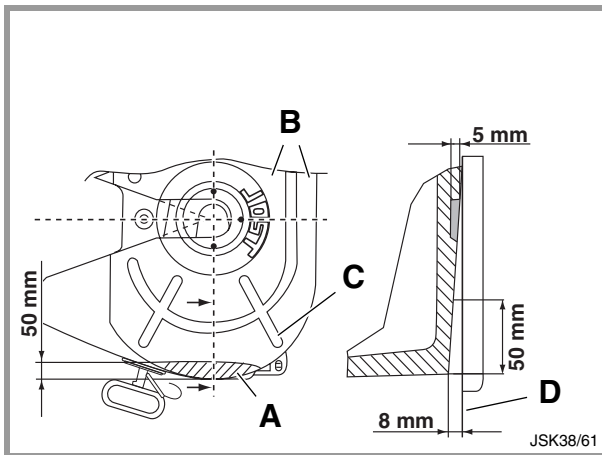
If the play is any greater, replace the bearing bushes.



- ▶ When the wear limit is reached replace the 2" or 3.5" king pin.

### Note

The maximum flatness deviation of the skid plate is 2 mm.



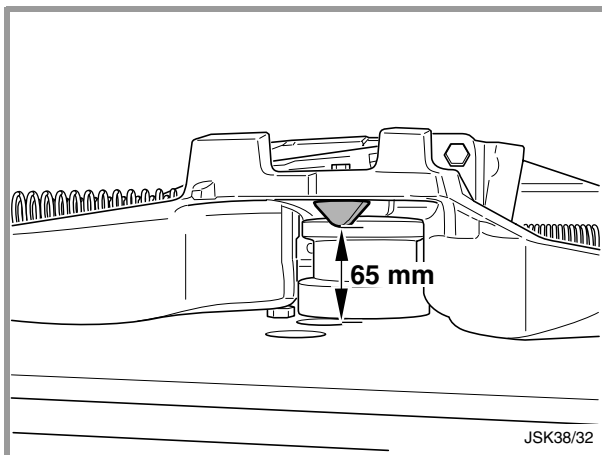
### Coupling plate wear check

External (A) material wear of up to approx. 8 mm is permitted, in other words approx. 3 mm lower than the lubrication groove (C).

In the load-bearing zone (B) the maximum wear at any point is to the depth of the lubrication groove.

### Note

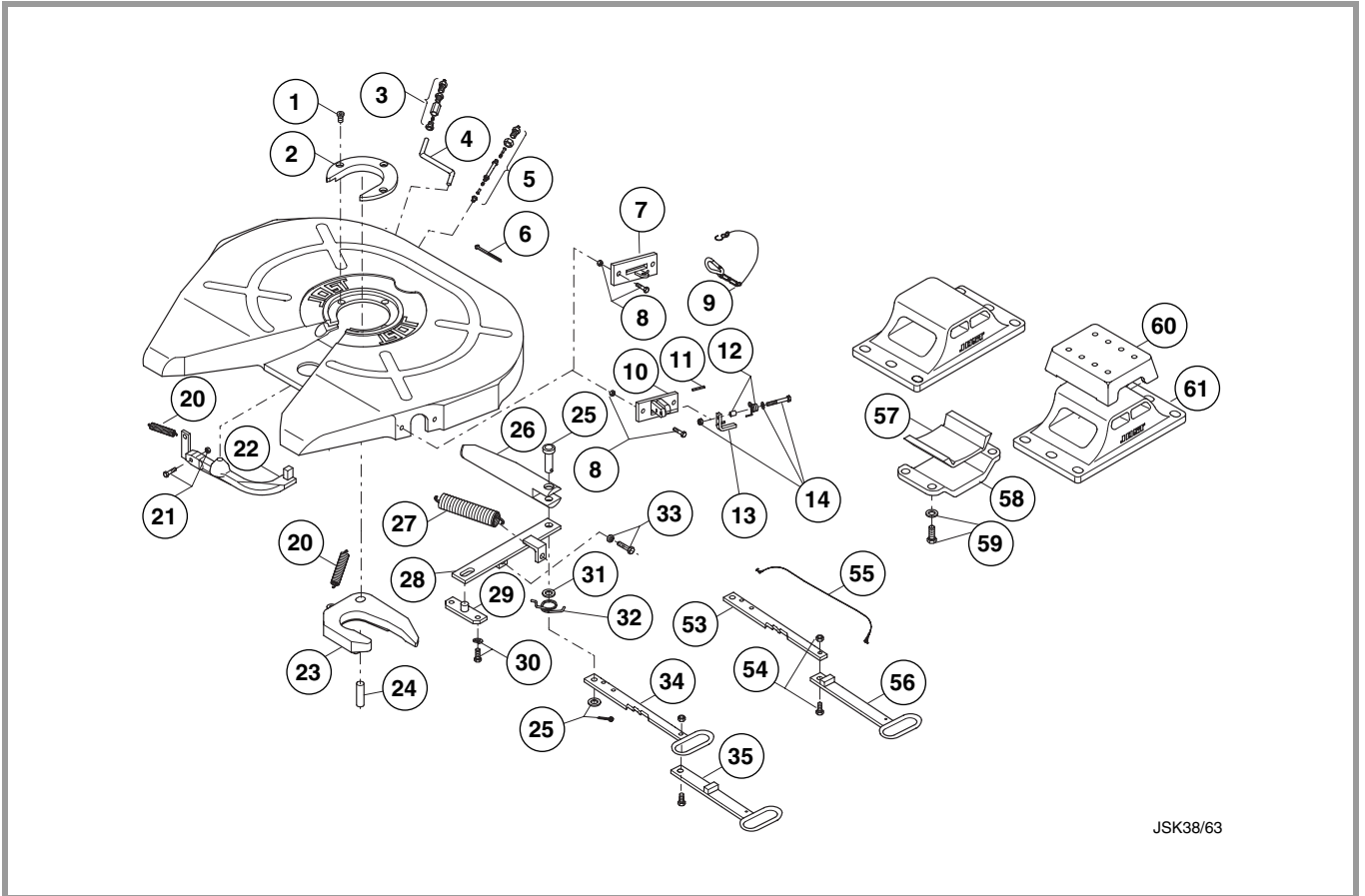
To determine the material wear, used a ruler (D) to measure the level.



### Stopper dimension

When open, in other words when the handle has been pulled out as far as possible and the lock has been engaged in the locking bar, the control dimension must be 65 mm.

## 5 Spare parts for version JSK 38 C



JSK38/63

Item	Description	Serial no./Note	Article number	Quantity per JSK
1	Socket head bolt		SK 2421-08	3
2	Wearing ring 3.5", complete with item 1		SK 2421-56	1
	Wearing ring 2", complete with item 1		SK 2421-57	1
3	Screw connection		SK 1976	1
4	Grease tube		SK 2205-12	1
5	Grease tube, complete with item 6	for type Z	SK 2408-02	1
6	Cable tie		SK 3121-13	1
7	Guide plate	up to xx60xxxxxx	SK 2405-22	1
8	Hexagonal screw, complete		SK 2421-50	2
9	Spring clip, complete	up to xx60xxxxxx	SK 1436	1
10	Latch mechanism holder, complete with item 11	from xx63xxxxxx	SK 2405-084	1
11	Clamp pin		000.003.027	1
12	Spring sling with spacer tube	from xx63xxxxxx	SK 2921-30	1
13	Latch mechanism, complete	from xx63xxxxxx	SK 3121-52	1
14	Hexagonal screw, complete	from xx63xxxxxx	SK 3521-03	1
20	Spring		SK 2106-01	2
21	Hexagonal screw, complete		SK 2421-51	1
22	Stopper		SK 2405-27	1
23	Lock jaw	3,5"	SK 2405-14	1
	Lock jaw, complete with item 6	3.5" for type Z	SK 2405-14Z	1
	Lock jaw	2"	SK2405-13	1
	Lock jaw, complete with item 6	2" for type Z	SK 2405-13Z	1
24	Bolt		SK 2405-18	1

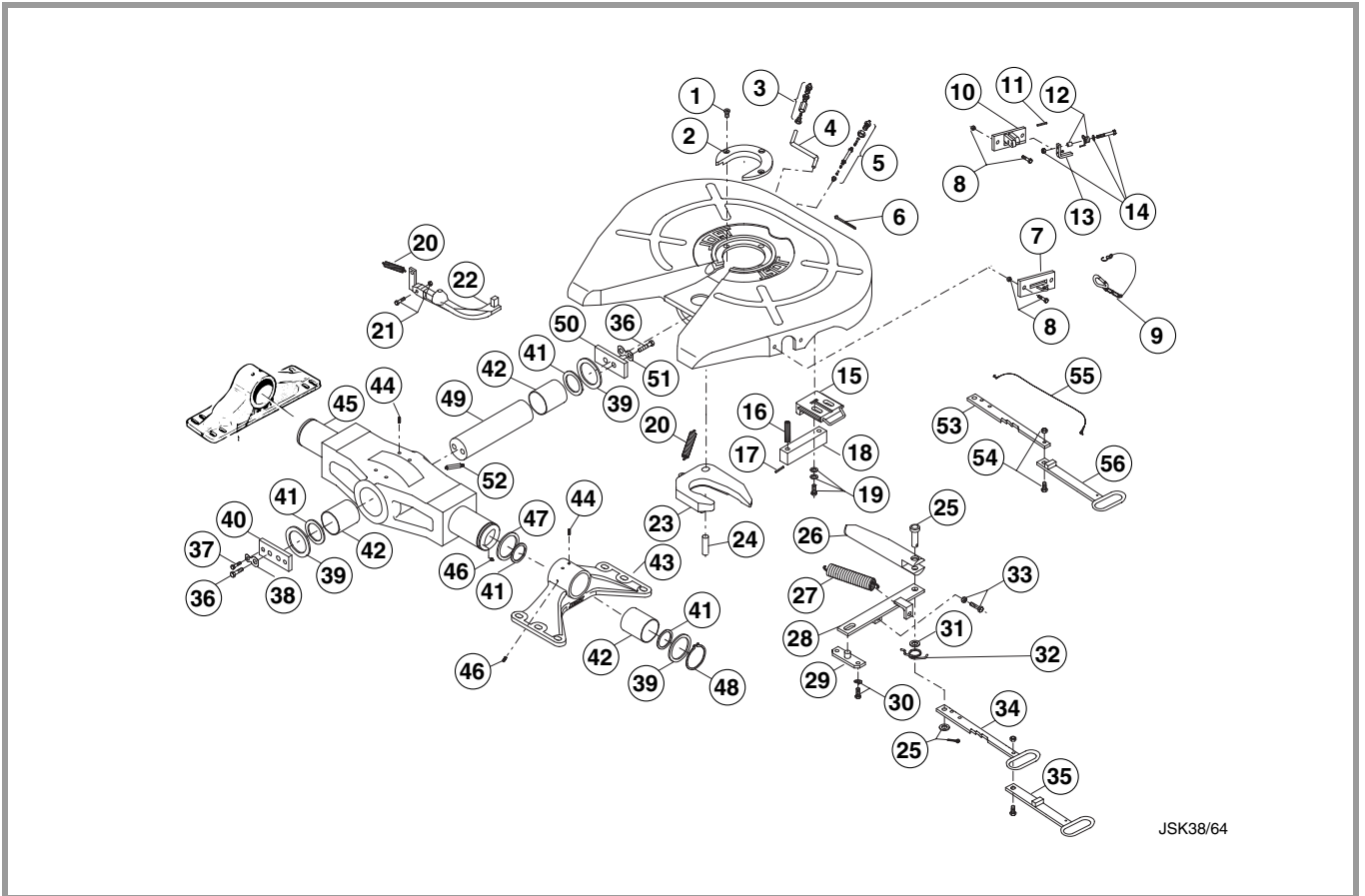
## 5 Spare parts list for version JSK 38 C

Item	Description	Serial no./Note	Article number	Quantity per JSK
25	Locking bolt, complete		SK 2121-14	1
26	Locking bar		SK 2405-01	1
27	Double tension spring		SK 2405-23	1
28	Lever		SK 2405-04	1
29	Bearing		SK 2405-15	1
30	Hexagonal screw, complete		SK 2421-53	2
31	Washer		SK 2405-19	1
32	Spring sling		SK 2405-09	1
33	Hexagonal screw, complete		SK 2421-52	1
34	Handle (standard version)		SK 2405-066	1
53	Locking lever for type J	from xx63xxxxxx	SK 2405-067	1
54	Hexagonal screw, complete for type J	from xx63xxxxxx	SK 2421-50	1
55	Latchcord, complete for type J	from xx63xxxxxx	SK 3521-02	1
56	Handle for type J	from xx63xxxxxx	SK 3105-113	1
57	Rubber cushion, lower		SK 2007	2
58	Bridge		SK 2005	2
59	Hexagonal screw, complete		SK 2421-55	8
60	Rubber cushion, upper		SK 2006	2
61	Pedestal BH 190		SK 2404-01	2
	Pedestal BH 250		SK 2404-04	2

Item	Repair kits	Article no. for type C	Article no. for type CZ
1, 2, 5, 9, 20, 23, 24, 27	Repair kits for 3.5" locking mechanism	SK 2421-76	SK 2421-76Z
1, 2, 5, 9, 20, 23, 24, 27	Repair kits for 2" locking mechanism	SK 2421-77	SK 2421-77Z
57, 58, 60	Repair kit for bearing	SK 2421-78	SK 2421-78

Item	Conversion/Upgrade kits	Article no. for type C	Article no. for type CZ
1, 2, 20, 23	Conversion kits for 3.5" locking mechanism to 2" locking mechanism	SK 2421-98	SK 2421-98Z
1, 2, 20, 23	Conversion kits for 2" locking mechanism to 3.5" locking mechanism	SK 2421-99	SK 2421-99Z
35, 54, 55	Handle extension upgrade kit, complete	SK 3121-063	SK 3121-063

## 6 Spare parts list for version JSK 38 G



JSK38/64

Item	Description	Serial no./Note	Article number	Quantity per JSK
1	Socket head bolt		SK 2421-08	3
2	Wearing ring 3.5", complete with item 1		SK 2421-56	1
	Wearing ring 2", complete with item 1		SK 2421-57	1
3	Screw connection		SK 1976	1
4	Grease tube		SK 1989	1
5	Grease tube, complete with item 6	for type Z	SK 2508-02	1
6	Cable tie		SK 3121-13	1
7	Guide plate	up to xx70xxxxxx	SK 2405-22	1
8	Hexagonal screw, complete		SK 2421-50	2
9	Spring clip, complete	up to xx70xxxxxx	SK 1436	1
10	Latch mechanism holder, complete with item 11	from xx72xxxxxx	SK 2405-084	1
11	Clamp pin		000.003.027	1
12	Spring sling with spacer tube	from xx72xxxxxx	SK 2921-30	1
13	Latch mechanism, complete	from xx72xxxxxx	SK 3121-52	1
14	Hexagonal screw, complete	from xx72xxxxxx	SK 3521-03	1
15	Blocking part, complete		SK 2506-22	2
16	Compression spring		SK 2506-15	4
17	Clamp sleeve		SK 2521-10	4
18	Block		SK 2506-35	2
19	Hexagonal screw, complete		SK 2521-50	4
20	Spring		SK 2106-01	2
21	Hexagonal screw, complete		SK 2421-51	1

## 6 Spare parts list for version JSK 38 G

Item	Description	Serial no./Note	Article number	Quantity per JSK
22	Stopper		SK 2405-27	1
23	Lock jaw	3,5"	SK 2405-14	1
	Lock jaw, complete with item 6	3.5" for type Z	SK 2405-14Z	1
	Lock jaw	2"	SK 2405-13	1
	Lock jaw, complete with item 6	2" for type Z	SK 2405-13Z	1
24	Bolt		SK 2405-18	1
25	Locking bolt, complete		SK 2121-14	1
26	Locking bar		SK 2405-01	2
27	Double tension spring		SK 2405-23	1
28	Lever		SK 2405-04	1
29	Bearing		SK 2405-15	1
30	Hexagonal screw, complete		SK 2421-53	2
31	Washer		SK 2405-19	1
32	Spring sling		SK 2405-09	1
33	Hexagonal screw, complete		SK 2421-52	1
34	Handle (standard version)		SK 2405-066	1
36	Hexagonal screw		SK 2034	4
37	Hexagonal screw		SK 2521-18	2
38	Securing plate		SK 2504-21	2
39	Spacer washer		SK 2504-14	4
40	Plate		SK 2504-18	1
41	Round seal		SK 2521-07	6
42	Bearing bush		SK 2504-16	4
43	Pedestal, with items 42, 44, 46		SK 2521-52	2
44	Cylindrical notched pin		SK 1533	8
45	Rocker arm, complete with items 42, 44, 46, 52		SK 2521-51	1
46	Conical grease nipple		SK 2521-04	6
47	Spacer washer		SK 1192/1	2
48	Securing ring		SK 1435	2
49	Bearing bolt		SK 2504-17	1
50	Clamp plate		SK 2504-19	1
51	Securing plate		SK 2504-20	1
52	Conical grease nipple with extension		SK 2521-57	1
53	Locking lever for type J	from xx72xxxxxx	SK 2405-067	1
54	Hexagonal screw, complete for type J	from xx72xxxxxx	SK 2421-50	1
55	Latchcord, complete for type J	from xx72xxxxxx	SK 3521-02	1
56	Handle for type J	from xx72xxxxxx	SK 3105-113	1

Item	Repair kits	Article no. for type G	Article no. for type GZ
1, 2, 5, 9, 20, 23, 24, 27	Repair kits for 3.5" locking mechanism	SK 2421-76	SK 2421-76Z
1, 2, 5, 9, 20, 23, 24, 27	Repair kits for 2" locking mechanism	SK 2421-77	SK 2421-77Z

## 6 Spare parts list for version JSK 38 G

Item	Repair kits	Article no. for type G	Article no. for type GZ
36, 37, 38, 41, 42, 44, 46, 51, 52	Repair kit for bearing	SK 2521-76	SK 2521-76Z

Item	Conversion/Upgrade kits	Article no. for type G	Article no. for type GZ
1, 2, 20, 23	Conversion kits for 3.5" locking mechanism to 2" locking mechanism	SK 2421-98	SK 2421-98Z
1, 2, 20, 23	Conversion kits for 2" locking mechanism to 3.5" locking mechanism	SK 2421-99	SK 2421-99Z
35, 54, 55	Handle extension upgrade kit, complete from serial No. xx72xxxxxx	SK 3121-063	SK 3121-063



## 7 Spare parts list for version JSK 50

<b>Item</b>	<b>Description</b>	<b>Serial no./Note</b>	<b>Article number</b>	<b>Quantity per JSK</b>
30	Hexagonal screw, complete		SK 2412-53	2
31	Washer		SK 2405-19	1
32	Spring sling		SK 2405-09	1
33	Hexagonal screw, complete		SK 2421-52	1
34	Handle		SK 2405-066	1
44	Cylindrical notched pin		SK 1533	8
62	Securing screw		SK 2521-05	8
63	Grease nipple		SK 2521-04	2
64	Plate		SK 2805-02	2
65	Bearing bolt		SK 2805-01	2
66	Bearing bush		SK 2805-03	4
67	Pedestal, complete with items 44, 66		SK 2821-51	2

## 8 Waste disposal instructions

These parts fitted to the fifth wheel coupling are made of valuable raw materials that can be recycled.

These materials can be separated into plastic / rubber and metallic materials.

The plastic / rubber materials are marked in compliance with VDA Recommendation 260. Before disposal, any oil or grease residue is to be cleaned off the parts, where necessary.