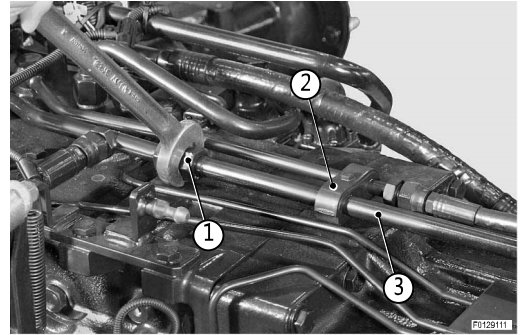




PTO clutch

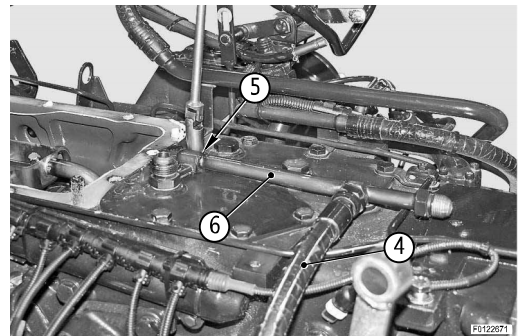
Removal

Loosen union (1), remove clamp (2) and disconnect pipe (3).



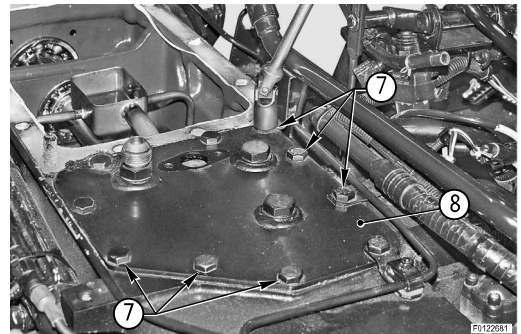
1.

Disconnect pipe (4), remove screws (5) and remove pipe (6).



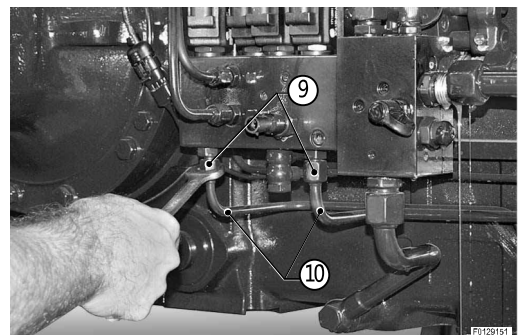
2.

Remove the screws (7) and remove the cover (8).



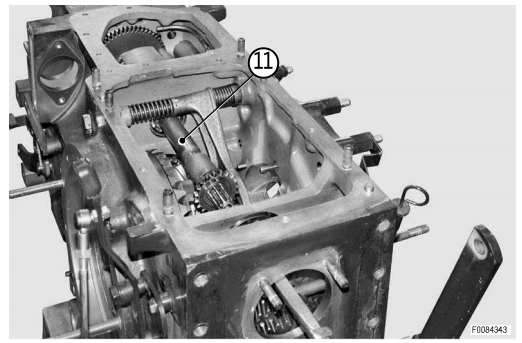
3.

Loosen upper and lower unions (9) and remove PTO control pipes (10).



4.

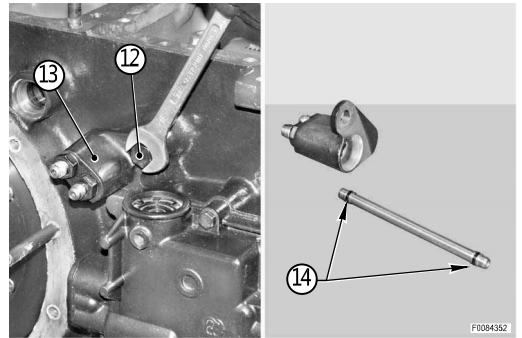
Using a slide hammer puller, remove the PTO drive shaft (11).



5.

Remove screw (12) and remove manifold (13).

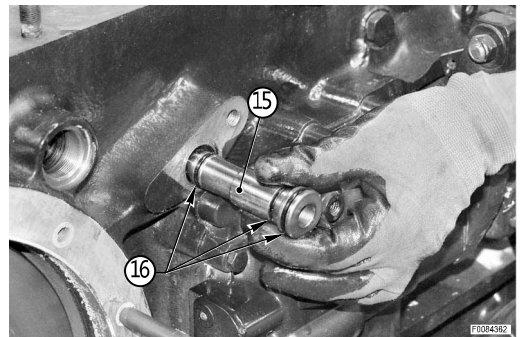
- o Check the condition of O-rings (14) and renew them if necessary.



6.

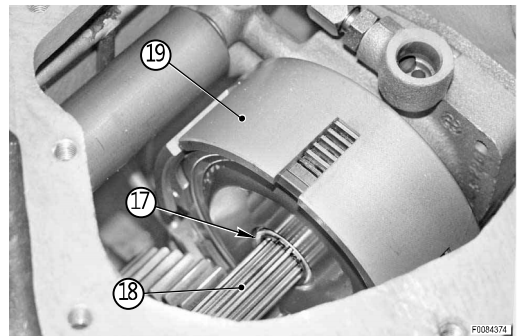
Remove extension (15) from the transmission.

- o Check the condition of the O-rings (16) and renew them if necessary.



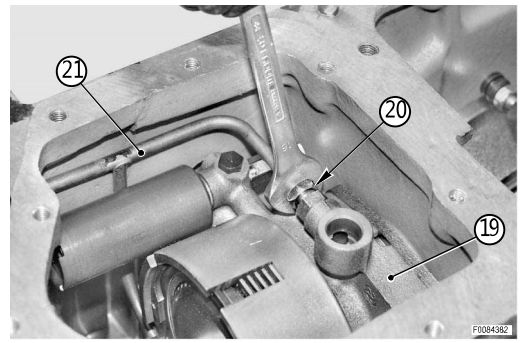
7.

Dislodge circlip (17) from its seat and insert driver sleeve (18) in clutch assembly (19).



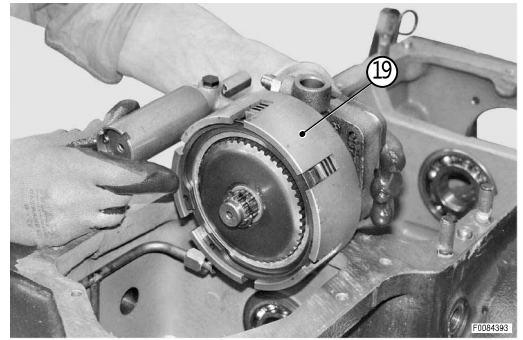
8.

Fully loosen union (20) and disconnect lubrication pipe (21) from clutch assembly (19).



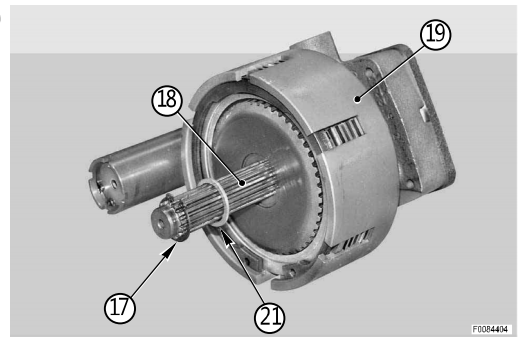
9.

Remove complete clutch assembly (19).



10.

Remove sleeve (17) complete with circlip (18) from clutch assembly (21) and, if present, remove also spacer (19).



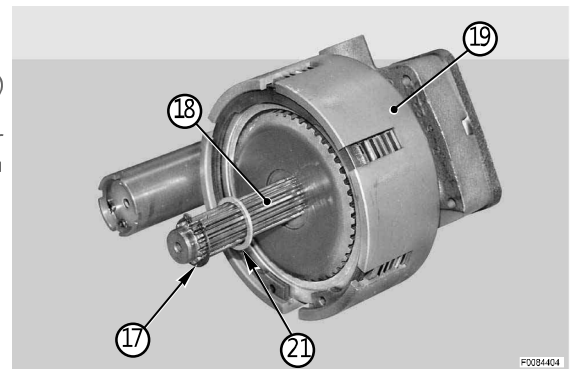
11.

Refitting

Refit by following the removal steps in reverse order and carry out the following procedures:

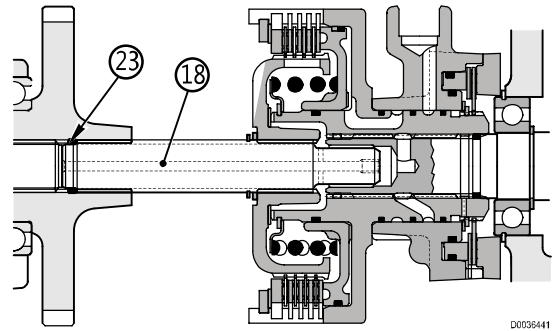
Procedure 11

- Install driver sleeve (18) in clutch assembly (19) complete with circlip (17) and spacer (21).
The spacer (21) must always be installed when carrying out the overhaul or renewal of any of the assemblies or components associated with operation of the rear PTO engagement controls.



Procedure 5

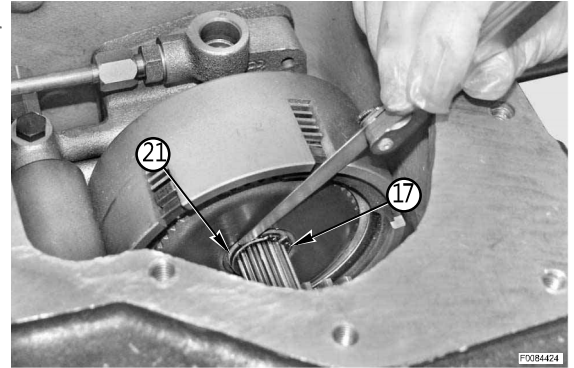
- Move driver sleeve (18) towards the front of the tractor so that it seats against O-ring (23).



D0036441



- Using a feeler gauge, measure the residual clearance "G" between spacer (21) and circlip (17).
If the measured clearance "G" is less than 1.00 mm, remove spacer (21).

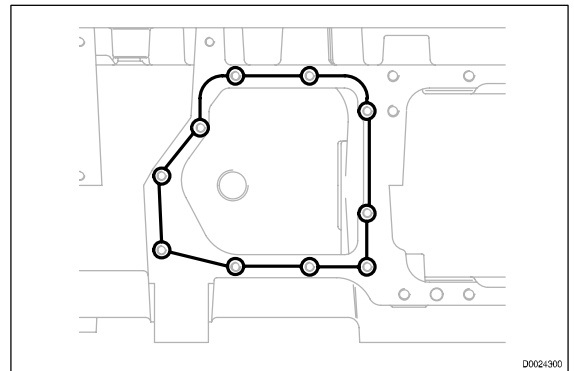


F008424



Procedure 3

- Mating face: Silastic

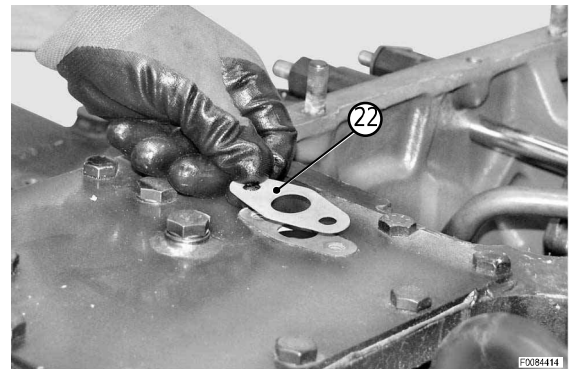


D002430



Procedure 2

- Renew gasket (22) after every removal.

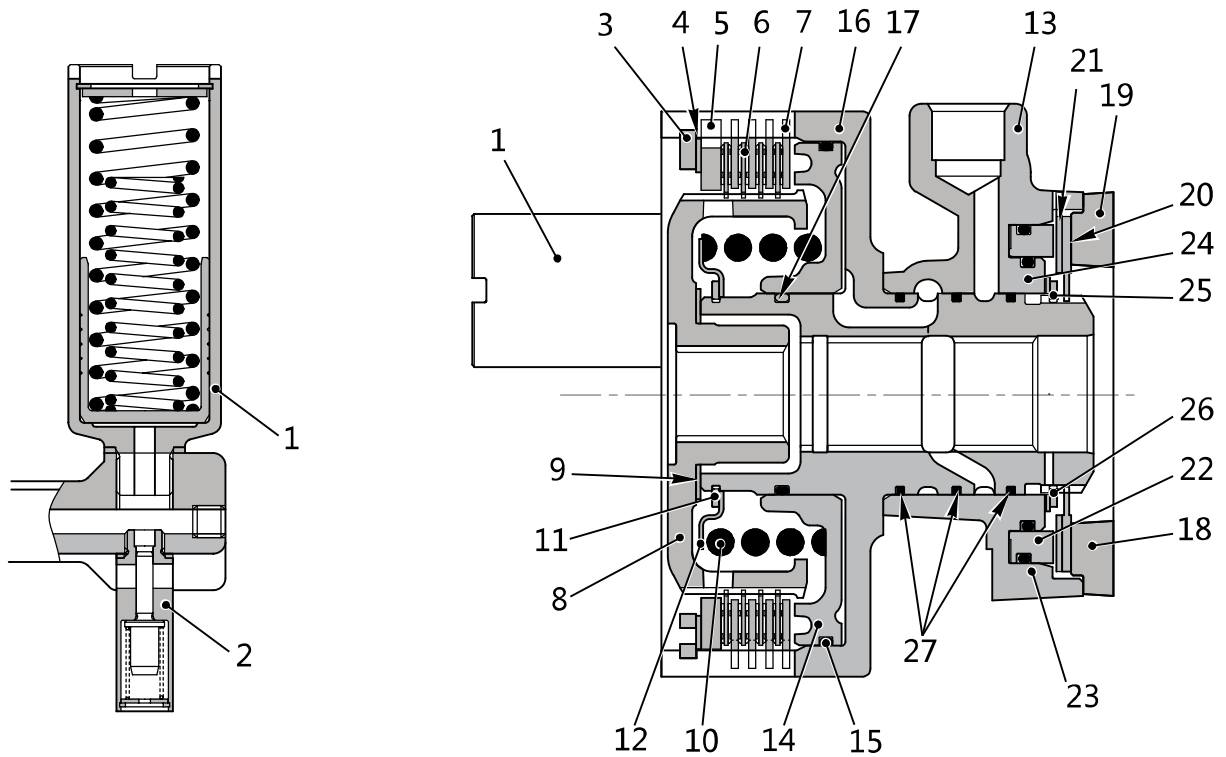


F0084414





Disassembly of the PTO clutch



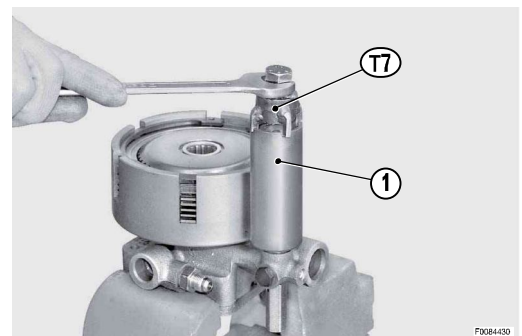
D0036450

Fig. PTO clutch

Disassembly

Using a suitable wrench T7 remove accumulator (1).

- o Renew the copper washers on reassembly.

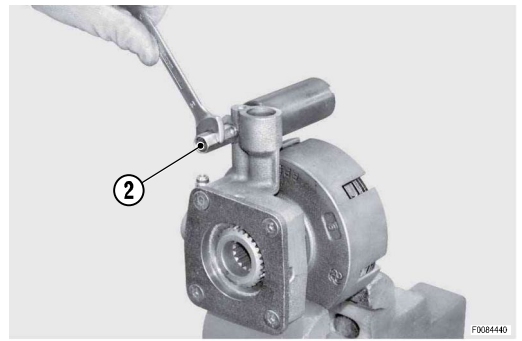


F0084430

1.

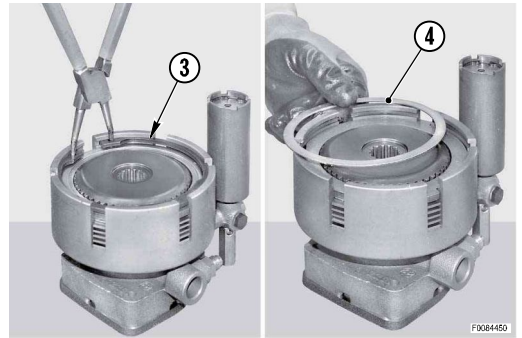
Remove pressure relief valve (2).

- o Renew the copper washers on reassembly.



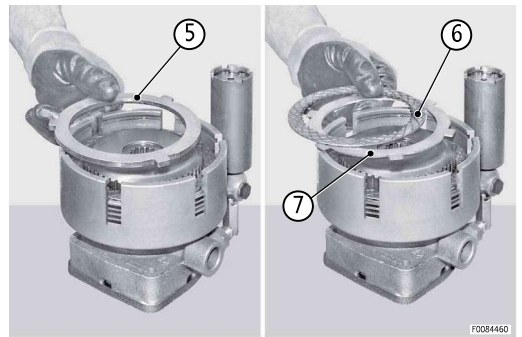
2.

Remove circlip (3) and remove spacer (4).



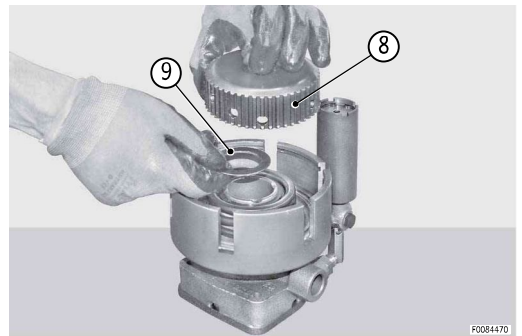
3.

Remove steel disc (5) and then remove all friction discs (6) and steel discs (7).



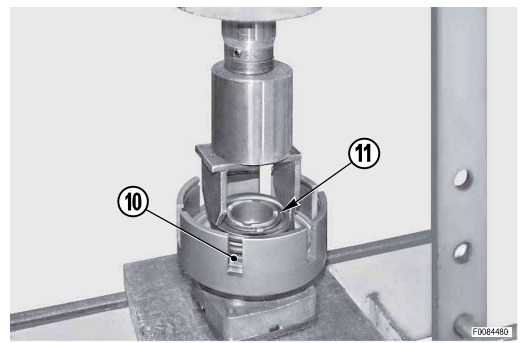
4.

Remove hub (8) and shim (9).



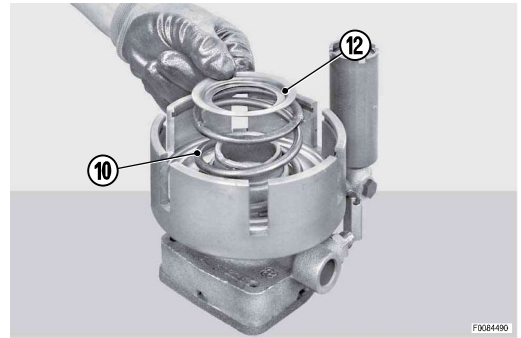
5.

Using a press and a suitable tool, lightly compress spring (10) and remove circlip (11).



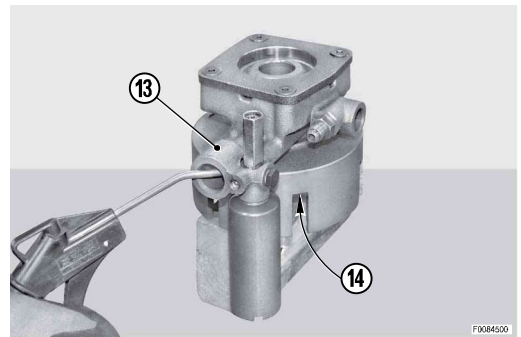
6.

Remove disc (12) and spring (10).



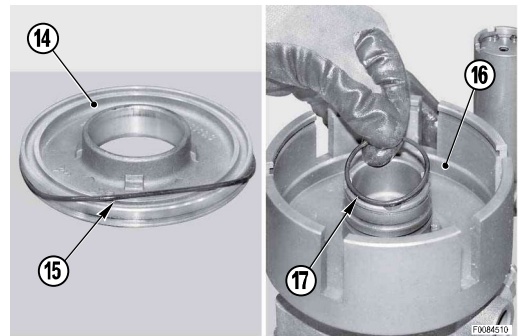
7.

Turn the assembly over and blow compressed air at low pressure into the hole on clutch housing (13) to expel piston (14).



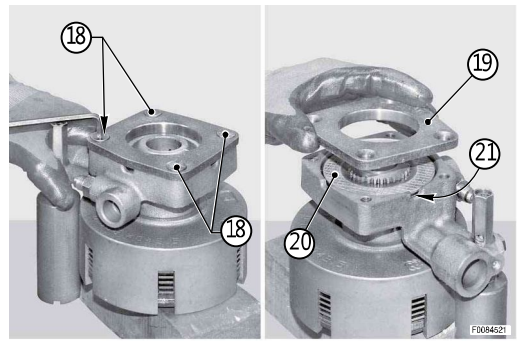
8.

Remove O-ring (15) from piston (14) and remove O-ring (17) from hub (16).



9.

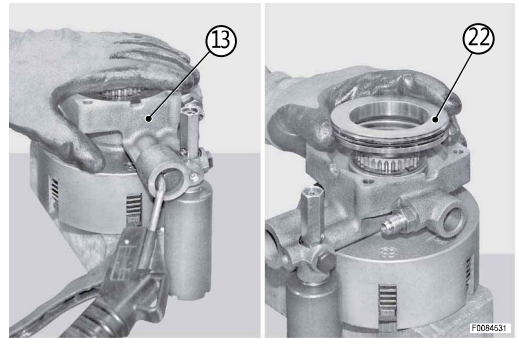
Remove the screws (18) and remove the cover (19), the friction disc (20) and the steel disc (21).



10.

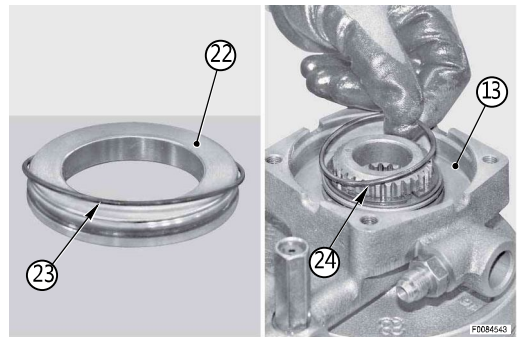
Blow compressed air at low pressure through the hole in the side of clutch housing (13) to expel piston (22).

- o Restrain piston (22) as it could be expelled at high speed and thus damaged.



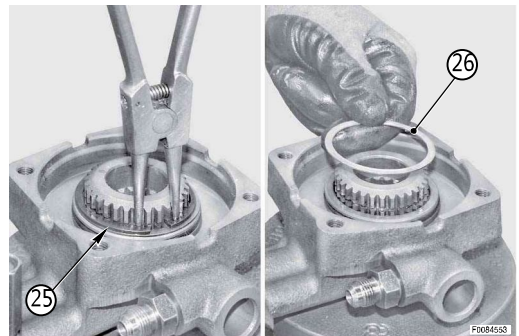
11.

Remove O-ring (23) from piston (22) and O-ring (24) from clutch housing (13).



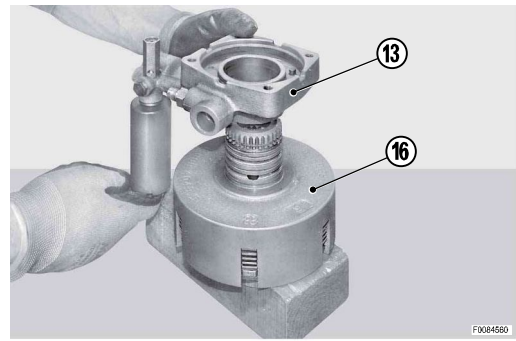
12.

Remove circlip (25) and thrust washer (26).



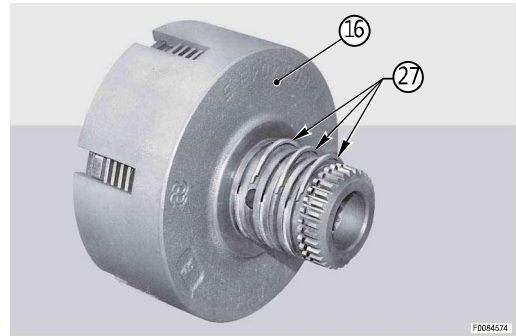
13.

Remove clutch assembly (13) from clutch housing (16).



14.

Remove retaining rings (27) from clutch housing (16).



15.

Assembly

Refitting is the reverse of removal.

Procedure 15

- Rings: Oil

Procedures 9-12

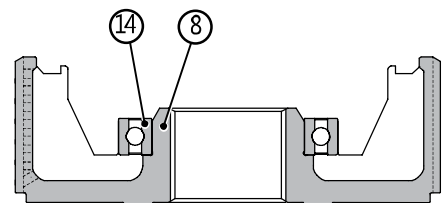
- O-rings: Oil

Procedures 4-10

- Friction discs: Oil

Procedure 3

- Position the clutch assembly vertically and, using a feeler gauge, check that the clearance "G" between circlip (3) and spacer (4) is within the tolerance limits. If the clearance exceeds tolerance limits, add another spacer (4).
clearance "G": 0.6-2.0 mm



D'0040990

Procedures 1-2

- Accumulator and pressure relief valve: Loctite 542

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