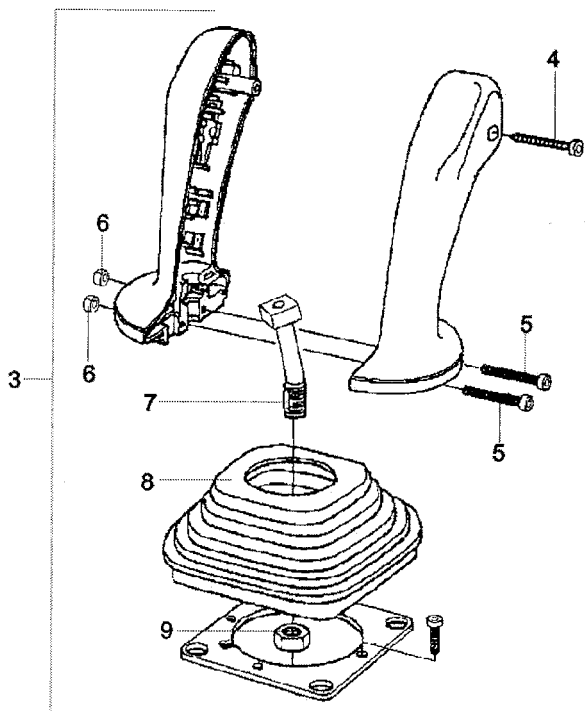


HR 16 SERVICE-MANUAL

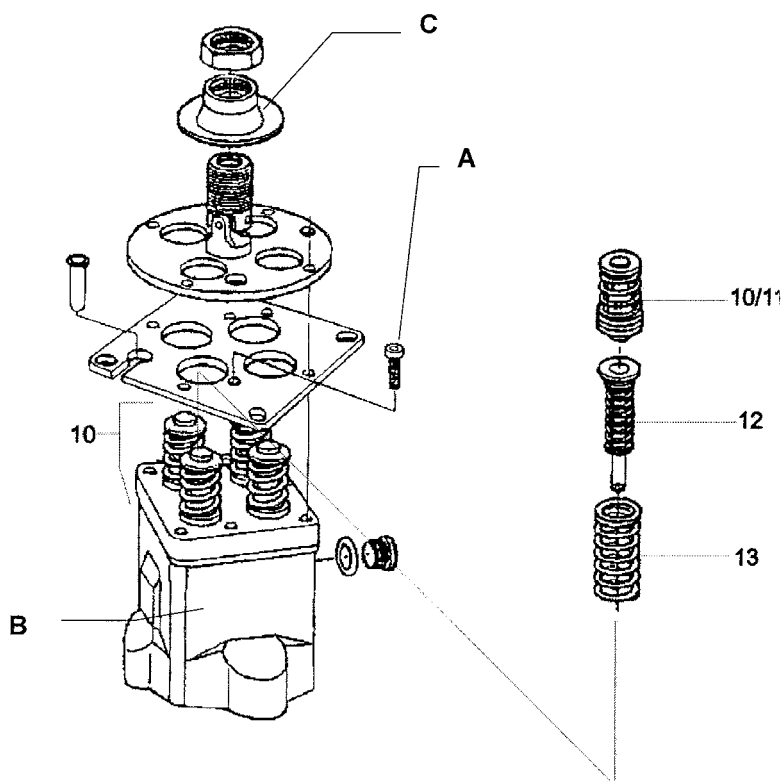
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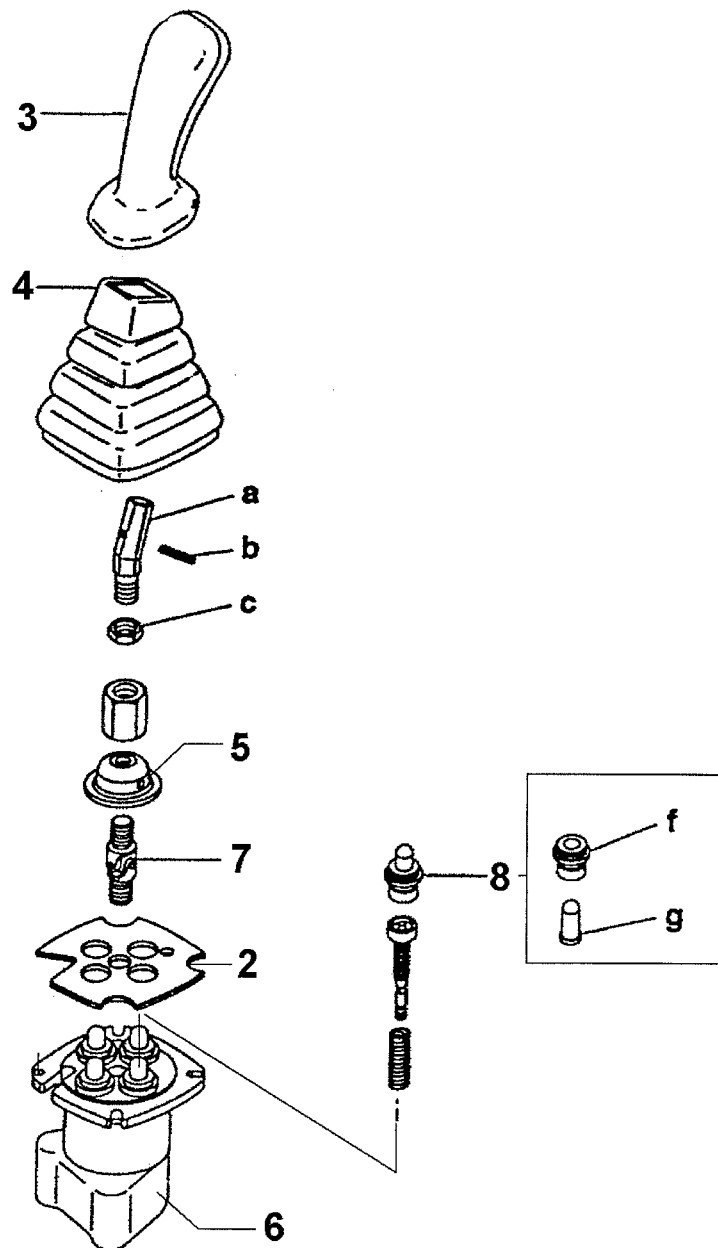
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Sealing of the joystick (oil leakage below the bellow)

- Let escape the excess pressure of the hydraulic tank (open the ventilation filter)
- Mount a vacuum pump instead of the ventilation filter, create a vacuum.
- Turn up the bellow 8 at the pilot-operated valve.
- Screw out the 4 hexagon socket screws item A, remove the complete lever with retaining plates.
- Pull the leaking tappet set 10 out of the housing.
- Check the seat surface in the housing B for scratches, damage, etc.
- Press in the new tappet set 10.
- Remaining assembly analogous. (The lever must nearly be free from play, if need be, readjust pressure disk C).



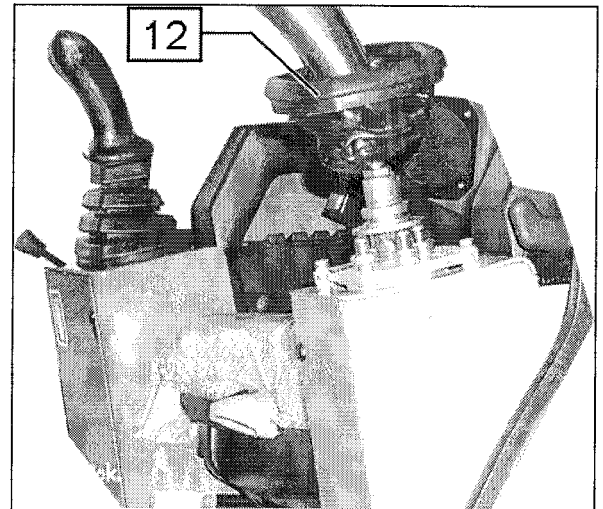


Sealing of the joystick (oil leakage below the bellow)

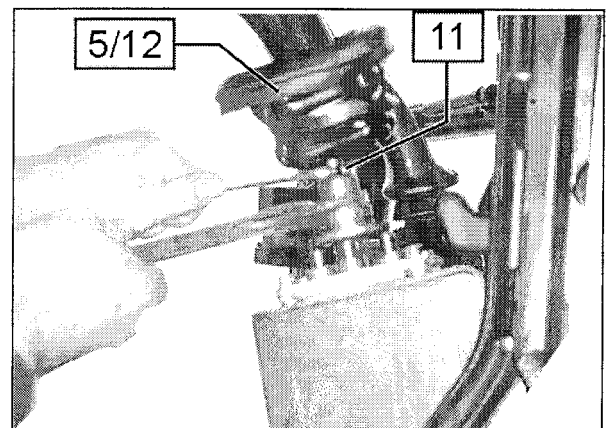
- Let escape the excess pressure of the hydraulic oil tank (open the ventilation filter)
- Connect a vacuum pump instead of the ventilation filter, create vacuum
- Turn up the bellow 4 at the pilot-operated valve
- Unscrew the handle 3 together with the cardan joint 7 and the remaining parts
- Pull the leaking tappet set 8 out of the housing
- Check the seat surface in the housing 6 for scratches, damage, etc
- Press in the new tappet set 8
- Remaining assembly analogous (lever must nearly be free from play, if need be, readjust pressure disk 5).

Sealing of the joystick (oil leakage below the bellow)

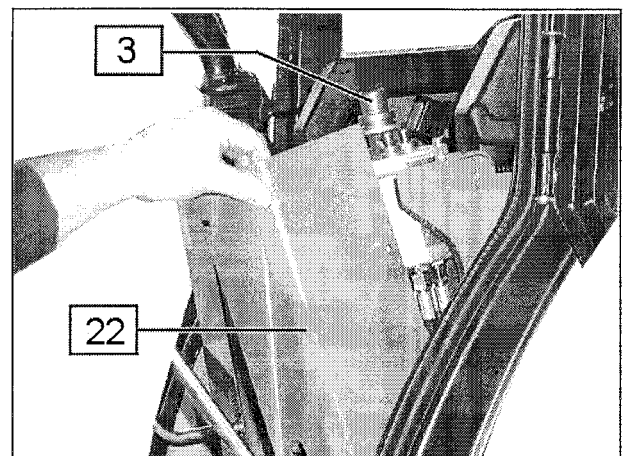
- Let escape the excess pressure of the hydraulic oil tank (open the ventilation filter)
- Connect a vacuum pump instead of the ventilation filter, create a vacuum
- For the work to be carried out now, e.g. replacement of hydraulic lines, all ports have to be plugged. Do not interrupt the vacuum pump operation
- Turn up the bellow (12) at the pilot-operated valve



- Slacken the nut (11) with fork wrench 19 mm
- Unscrew the handle (5) together with the bellow (12)



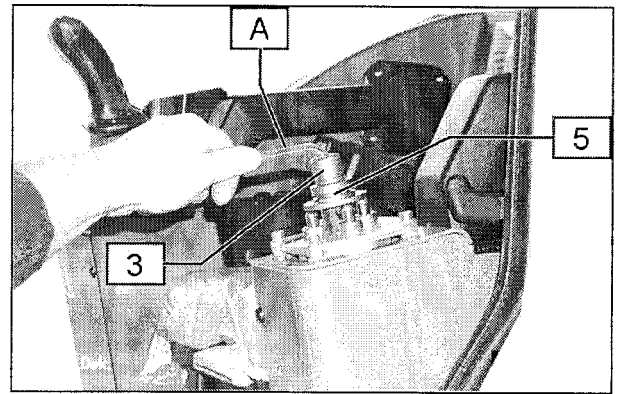
- Before slackening the cardan joint (3), unscrew the cover (22) from the seat console



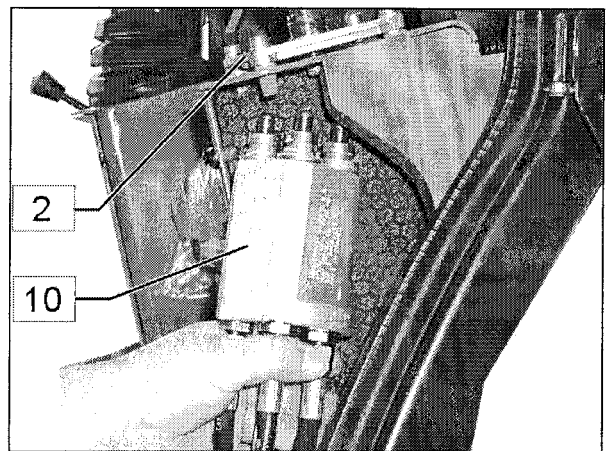
- Unscrew the cardan joint **(3)** by means of a hexagon socket screw key **(A)** 8 mm

Attention !

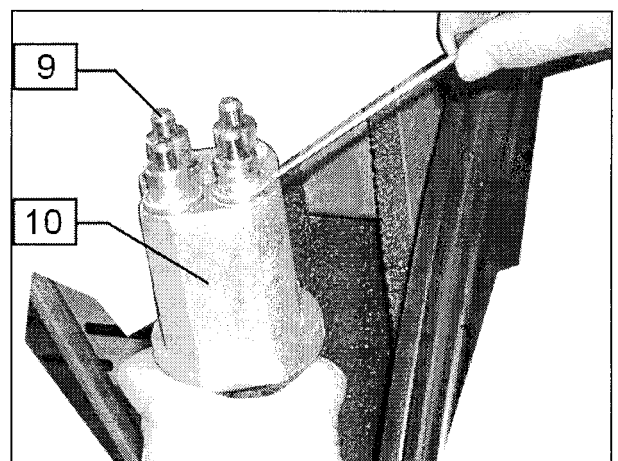
- Hold the housing as, otherwise, it will drop



- Pull the housing **(10)** out of the retaining plate **(2)**

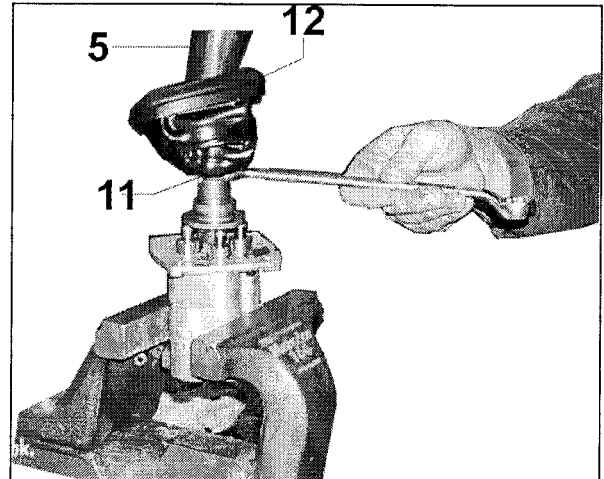


- Pull the leaking tappet set **(9)** out of the housing
- Check the seat surface in the housing **(10)** for scratches, damage, etc.
- Press in the new tappet set **(9)**
- Remaining assembly analogous (lever must nearly be free from play), if need be, readjust pressure disk **(5)**
- Pay attention to the colour marking when tightening the nut **(11)** !

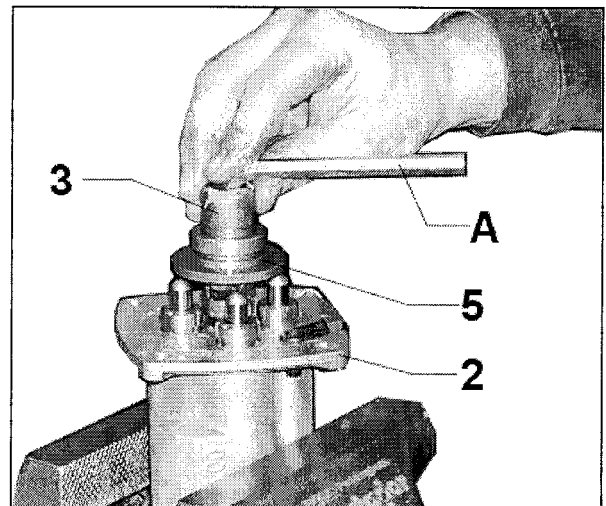


Sealing of the joystick (oil leakage below the bellow)

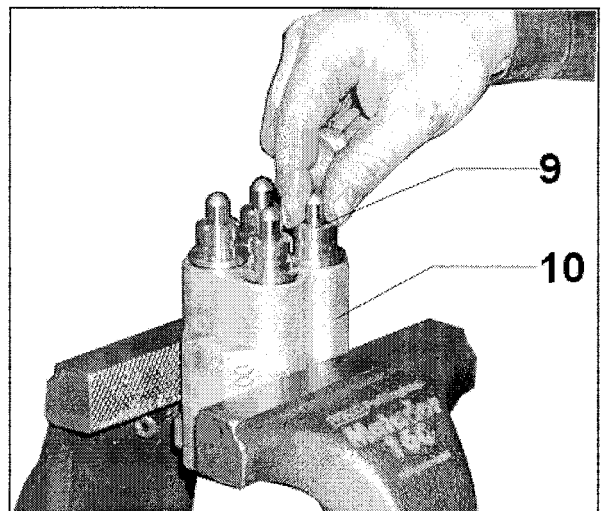
- Let escape the excess pressure of the hydraulic oil tank (open the ventilation filter).
- Connect a vacuum pump instead of the ventilation filter, create a vacuum.
- Turn up the bellow (12) at the pilot-operated valve.
- Slacken the nut (11) with a 19 mm fork wrench.
- Unscrew the handle (5) together with the bellow (12).



- Unscrew the cardan shaft (3) by means of an 8 mm hexagon socket screw key (A).
- Remove the shims and the holding plate (2).



- Pull the leaking tappet set (9) out of the housing.
- Check the seat surface in the housing (10) for scratches, damage, etc.
- Press in the new tappet set (9).
- Remaining assembly analogous (lever must be nearly free from play, if need be, readjust pressure disk (5)).
- Pay attention to the colour marking when tightening the nut (11) !



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