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Fitting instructions for electro-hydraulic steering pumps

Our parts may only be installed by professionals. Flushing the hydraulic system is a warranty condition and ensures that impurities in the system are cleaned out and that the test oil is completely removed from the pump.

Connect the diagnostic device to the vehicle and check for any error codes. Save or write down the error codes. Make sure that the cause of the breakdown does not stem from the cabling or fuses before replacing the pump. Clear the error codes and disconnect the battery.

1. Removal:

Observe the general requirements for tidiness and cleanliness in the workshop.

1. Drain as much fluid from the system as possible.
2. Disconnect the high-pressure and return line from the pump. Make sure that the connections are clean, so that no impurities get in.
3. Disconnect the plugs from the pump.
4. Remove the pump.
5. Check the condition of the pipes. The replacement of pipes older than 5 years is recommended. Replace the filter in the system, if it contains one.
6. **Compare the old and new part before starting the installation. Make sure that the parts match each other completely. If there is any uncertainty, please contact our helpdesk.**

2. Installation:

1. For additional assistance, we recommend watching our instructional video about flushing a hydraulic system on our website, www.erabenelux.be.
2. Install the pump in accordance with the manufacturer's instructions. Pay attention to the torque of all the bolts/screws!
3. Attach the high-pressure line to the pump. Provide new gaskets/O-rings and hose clamps where necessary.
4. Connect the plugs to the pump and reconnect the battery.
5. Lift the car so that the wheels are off the ground.
6. Place the end of the pump's return line in a sump tray.
7. Fill the reservoir with new fluid, **according to the OE standards of the vehicle.** Have a colleague start the engine and **slowly** turn the steering wheel lock to lock several times. Top up until the fluid coming out of the return line is clear and free of dirt. **DO NOT RUN THE PUMP WITHOUT FLUID!**
8. Attach the return line back to the reservoir.
9. Fill the reservoir to the correct level.
10. **Slowly and without any abrupt movements,** turn the steering wheel 20 times lock to lock, without running the engine, and with the wheels off the ground. In this way, most of the air is bled from the system.
11. Repeat the previous step, but with the engine running at idling speed. In exceptional cases, it is even recommended to use a vacuum pump to bleed the system. Consult our helpdesk in case of persistent problems!
12. Check the oil level again and top up if necessary (make sure the fluid never exceeds the maximum).
13. Perform an extended test run and then check with the diagnostic device that no more error codes have been recorded.

3. Old units return:

The deposit will only be refunded if the identical part is returned in its original packaging. Every item must be returned to us in a complete and undamaged condition, with as little remaining oil in the part as possible.

Credit notes will not be issued for items with the following defects:

1. External damage to the pump.
2. Damaged mounting points and/or holes.
3. Damaged connectors.
4. Visibly damaged or oxidised components.
5. Incomplete/disassembled parts.
6. Blocked rotating section.