

# RECOMMENDATIONS AND TECHNICAL ADVICE POWER STEERING

**Before carrying out any work, refer to the manufacturer's instructions.**

- Power steering is a safety component; the intervention should only be carried out by **qualified personnel equipped with all the specific tools required for the operation.**
- Before installation, **check the ordered reference.** Check and compare the exact match in every detail between the removed part and the delivered part, such as the total length, the mountings, the orientation of the flat or of the notch in the pinion, and the supply connections (screwed or flanged).
- For models with sensor, check the brand of the latter (Valeo, Hella, Koyo...).

## Recommendations

- It is recommended to change the pump or check the existing one (e.g. the pressure), especially if the origin of the rack exchange is linked to a leak.
- Check the condition of the hoses. If there are any cracks, hard spots, spongy areas, particles, rubber dust or filings: replace the steering hose.
- Check that all filters and seals are present on the rack feed pipes. Replace them with new ones.

## Installation

1. Lift the vehicle, making sure that both wheels are free.  
**Warning :** before dismantling, for vehicles with ESP, set to zero and neutralise the steering wheel. Do not move until reassembling.
2. Remove the tie rod ends and then the shaft connecting the rack to the steering column.
3. Disconnect the supply pipes and recover the seals and filters. Locate high and low pressure pipes (inlet/outlet).
4. Dismantle the rack and check the supplied part. Leave the plugs on the new rack to avoid impurities. Keep the old part until the end of the work to compare technical data if necessary.
5. Flush the hydraulic system (see hydraulic circuit instructions).
6. Check that suspension and steering components are in good condition : bushing, tie rod ends, controls arms, etc.
7. Replace the rack, connect the steering column and reconnect the hydraulic circuit. Continue to top up the oil.
8. Install the new tie rod ends.
9. Adjust the alignment. Check that the boots are firmly fitted (no twisting) and that the clamps are correctly tightened.
10. Do a test drive.

**Attention:** If the above instructions are not followed, no warranty return will be granted.

**This manual does not replace the manufacturer's instructions.**