

# MAINTENANCE

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## Automatic gearbox

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**WARNING: Avoid excessive skin contact with mineral oil. Mineral oils remove the natural fats from the skin, leading to dryness, irritation and dermatitis.**

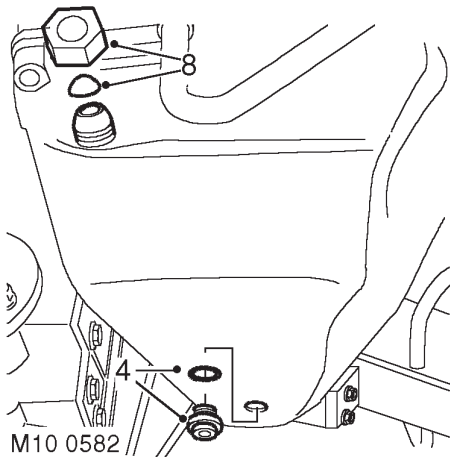
### Replace oil filter

1. Replace oil filter.


 **AUTOMATIC GEARBOX - ZF4HP22**  
- 24, REPAIRS, Filter - oil.

### Replace oil

1. **Ensure that gearbox is cool.** Apply handbrake and securely chock front and rear wheels.
2. Place a suitable container beneath gearbox.
3. Clean area around oil filler/level and drain plugs.



4. Remove oil drain plug, remove and discard sealing washer.
5. Allow oil to drain.
6. Fit new sealing washer to oil drain plug.
7. Fit automatic gearbox drain plug and tighten to 15 Nm (11 lbf.ft).
8. Remove oil filler/level plug, remove and discard sealing washer.
9. Fill gearbox with recommended oil to bottom of oil level/filler plug hole.

 **CAPACITIES, FLUIDS, LUBRICANTS AND SEALANTS, Lubrication.**

10. Select 'P' (Park).
11. Ensure handbrake is applied.
12. Start engine and allow it to idle.
13. Apply footbrake.

14. Move selector lever through all gear positions, while continuing to fill the gearbox. Select 'P' (Park).
15. With engine idling, continue filling gearbox until a 2 mm bead of oil runs from oil filler/level plug hole.
16. Fit new sealing washer to automatic gearbox filler/level plug, fit plug and tighten to 30 Nm (22 lbf.ft).
17. Stop engine.
18. Remove all traces of oil from gearbox casing.