

MAINTENANCE

GEARBOX

Gearbox oil filter cleaning



Note
Carry out the following procedure after oil has been drained when replacing the gearbox oil.

- Unscrew the screw fastening the oil filter to the gearbox (1, Fig. 1).
- Remove the fastening screws (2, Fig. 1) placed under the bumper rim.
- Keep the bumper rim bent downwards and remove the oil filter (3, Fig. 2) from the gearbox.
- Clean and dry the filter.
- Install a new seal on the filter (4, Fig. 2).
- Introduce the oil filter in its seat so that the notch faces upwards; tighten the nut to **25 Nm**.
- Adjust the bumper lower screw.

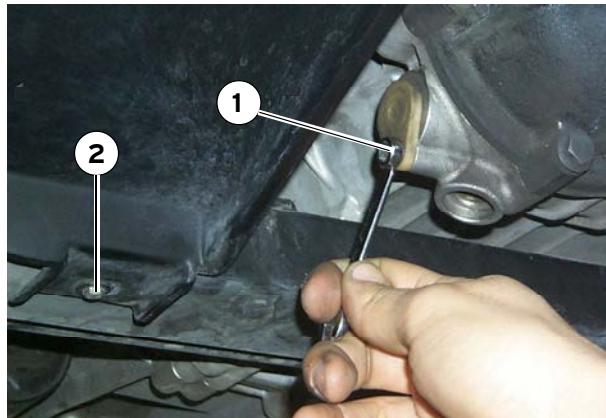


Fig. 1 Gearbox oil filter screw removal

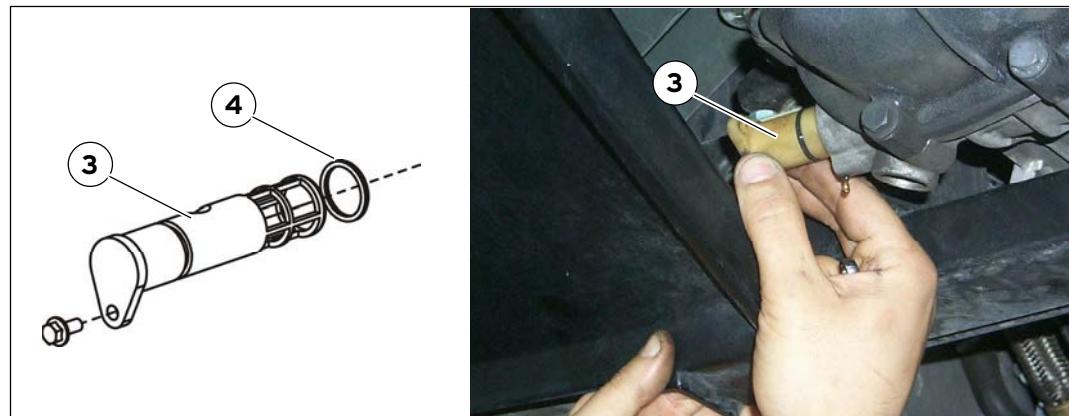


Fig. 2 Gearbox oil filter removal

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Checking the hydraulic oil level (e-gear only)

- Remove the engine trim lid.
- Remove the left trim panel inside the engine compartment.
- Loose the two screws (1, Fig 1) and make the support with the e-gear hydraulic oil tank to slide into the inner engine compartment (arrow in fig 1).
- Remove the tank plug and check the e-gear hydraulic oil leve; the level must be between the min and max marks (Fig. 2) on the plug dipstick: if necessary top up only with the prescribed hydraulic oil type

Prescribed hydraulic oil type: TUTELA CS SPEED

- Tighten the plug
- Slide the hydraulic oil tank back into the original place under the rigth bulkhead of the engine compartment
- Tighten the two screws (1, Fig 1) to secure the slide of the e-gear hydraulic tank.
- Reinstall the left trim panel inside the engine compartment.
- Reinstall the engine trim lid.



Fig. 1 Screws of the e-gear hydraulic tank slide



Fig. 2 MIN and MAX marks on plug dipstick

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Checking the gearbox and rear differential oil



- Lift the vehicle using an overhead crane.
- Use a suitable collection system for the gearbox and rear differential oil.
- Unscrew the plug (1, Fig. 1) and check that the oil level is near the lower edge of the hole.

If the oil level is high

- Drain the excess oil from the oil level checking hole.
- Clean the plug (1, Fig. 1) and reassemble it; tighten to **45 Nm**.

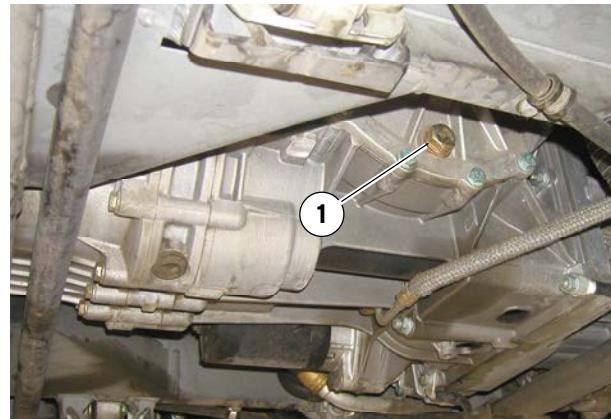


Fig. 1 Plug for checking the level of the transmission and rear differential oil

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GEARBOX



Checking the gearbox and rear differential oil

If the oil level is low

- Lower the vehicle and unscrew the gearbox and rear differential oil filling plug (2, Fig 2).
- Using a funnel and rubber hose, top up using a moderate amount of oil at a time until the oil starts to come out of the oil checking hole (1, Fig 1).
- Clean the plug (2, Fig 2) and screw it back on.
- Lift the vehicle, carefully clean the oil level checking hole (1, Fig 1) and then reassemble the plug; tighten it to **45 Nm**.

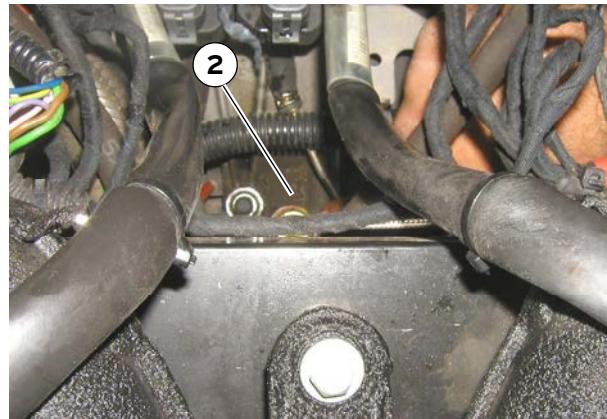


Fig. 2 Gearbox and rear differential oil filling plug



Protecting the environment

Dispose of the used transmission oil according to the laws in force.



Important!

The top up must always be carried out using the prescribed oil only

Type: AGIP ROTRA LSX SAE 75W/50
Quantity 4 litres



Fig. 3 Topping up the gearbox and rear differential oil

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