# DRAINING - REFILLING - LEVEL : AM6 AUTOMATIC GEARBOX

*INJECTION ES9A AND GEARBOX AM6 OR DT17TED4 TURBO DIESEL AND GEARBOX AM6*

**URGENT** : If raising the vehicle on a lift, wheels hanging, remove the cap of the LDS fluid reservoir . refit the cap of the LDS fluid reservoir, once you have lowered the vehicle .

**URGENT** : Ensure that the precautions relating to safety and cleanliness are adhered to .

## 1. Recommended tools

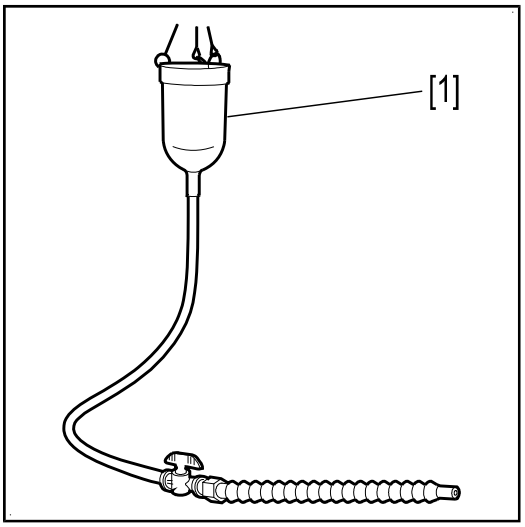



Figure : E5AP2CZC

[1] topping up cylinder (-).0340 .

## 2. Draining

**URGENT** : The gearbox must be drained when the oil is hot (60 °C minimum), to eliminate the impurities suspended in the oil .

**N.B.** : The oil change is partial, since the converter cannot be totally drained .

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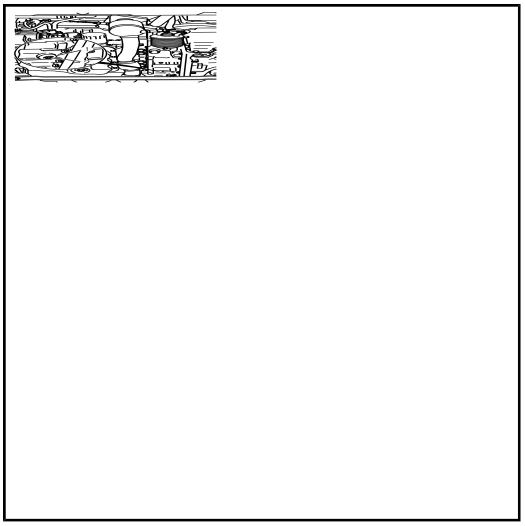


Figure : B1BP317C

Place the vehicle on a lift .
Remove :

- The oil level plug (2) using a torx wrench
- The drain overflow plug (1) using a 6 sided wrench

**N.B.** : Approximately 3 litres of oil should flow out .

## 3. Refilling

Fit the drain overflow plug (1) (equipped with a new seal) .
Tighten the plug (1) to 5 ± 1 mdaN .

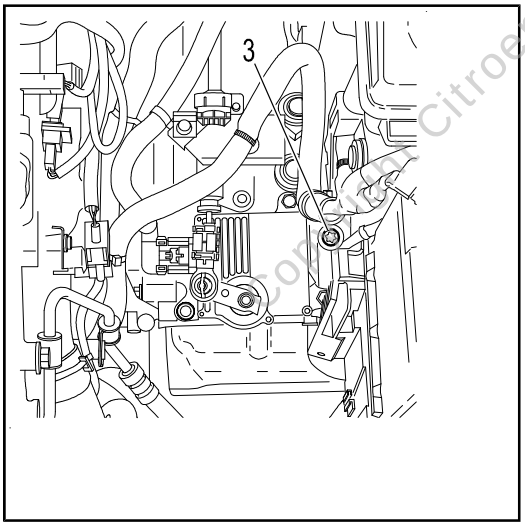



Figure : B2CP3WZC

Remove :

- The air filter housing
- The oil filler plug (3)

Use the tool [1] .

**CAUTION** : Ignore the information mentioned on the tool [1] .

Oil capacity of a new gearbox : 7 litres (approximately) .

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Type of oil : red JWS 3309 ESSO oil .
Volume of oil remaining after draining : 4 litres (approximately) .
Quantity of oil to be replaced : 3 litres (approximately) .
Refit the filler plug (3) (equipped with a new seal) .
Tighten the plug (3) to 4 ± 1 mdaN .
Initialise the used oil counter (follow the diagnostic tool procedure) .

## 4. Oil level check

Prior conditions :

- The vehicle is on a flat surface
- Check that the gearbox is not in a back-up mode
- Remove the filler plug (3)
- Add 0,5 litre of oil to the gearbox
- Apply the brakes firmly and move the lever through the various selector positions
- Gear lever in position " P "
- Engine running , at idle
- Oil temperature 60 (+ 8 ; - 2) °C (measuring of parameters using a diagnostic tool)

Remove the oil level plug (2) .

### 4.1. Stream of oil then reducing to a sequence of drips

Refit the oil level plug (2) .
Tighten the plug (2) to 0,8 ± 0,1 mdaN .

### 4.2. Sequence of drips or nothing

Refit the oil level plug (2) .
Stop the engine .
Add 0,5 litre of oil to the gearbox .
Repeat the topping up procedure .

**N.B.** : The level is correct when the trickle of oil reduces to a slow drip .

Refit the oil level plug (2) (equipped with a new seal) .
Tighten the plug (2) to 0,8 ± 0,1 mdaN .

### 4.3. Oil level check (continued)

Refit the filler plug (3) (equipped with a new seal) .
Tighten the plug (3) to 4 ± 1 mdaN .
If the oil level is too high, the following may occur :

- Overheating of the oil
- Oil leaks

If the level is too low, the gearbox will be destroyed .

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