

B2CI05K1 - 406D8 AL4 AUTOMATIC GEARBOX

DRAINING/REFILLING/CHECK OF LEVEL OIL

1 - FOREWORD

The (AL4) autoadaptive automatic gearbox is lubricated for life .

All that is required is an oil level check at 60000 km .

Despite that, the automatic gearbox has a system for measuring oil quality .

The AL4 autoadaptive automatic gearbox ECU has an oil wear sensor .

For a given time interval, the counter increases by a certain number of units (of wear) depending on the temperature of the gearbox .

When the counter is exhausted, the gearbox ECU informs the driver of the presence of a fault by the flashing of the Sport and Snow indicator lights on the instrument panel .

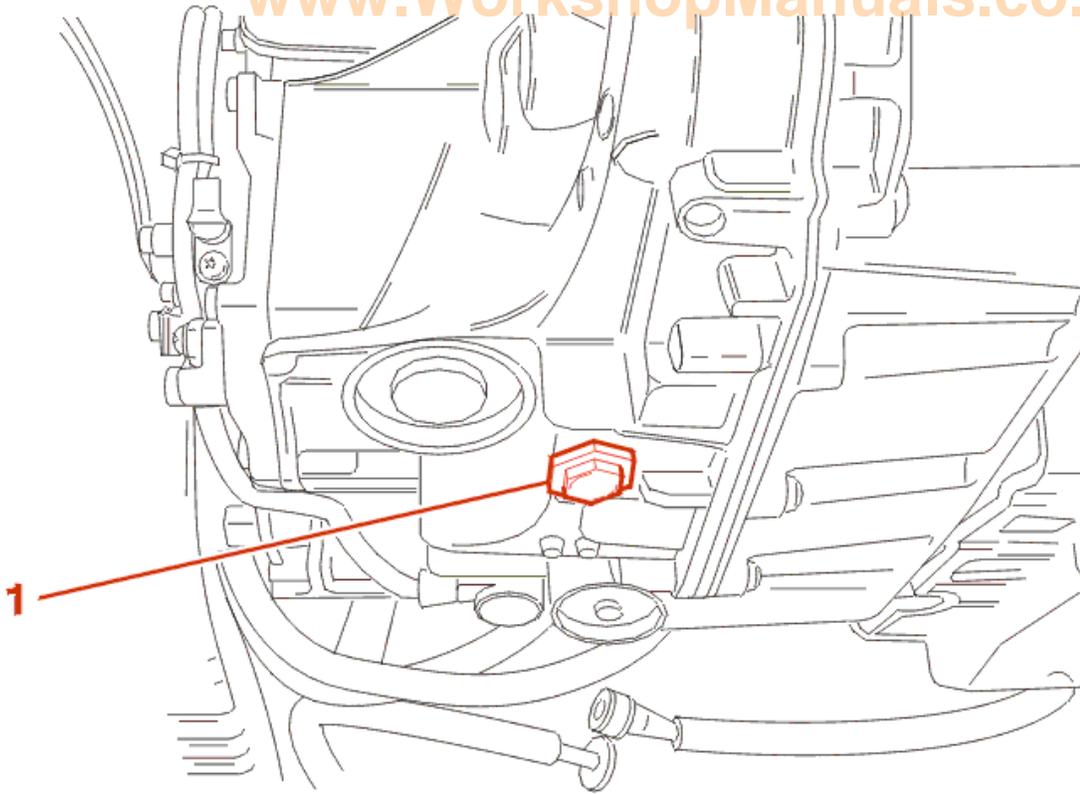
Using the diagnostic equipment, the technician checks whether or not it is necessary to replace the gearbox oil .

For any operation requiring a top-up of at least 0,5 litre(s) of gearbox oil, update the oil wear counter by using the diagnostic equipment .

IMPERATIVE : in the case of an automatic gearbox oil change, following flashing of the Sport and Snow indicator lights with a message on the diagnostic equipment: Oil Change to be Carried Out = Yes + counter exhausted at units, fill in the automatic gearbox form ; see SERVICE INFORMATION(s) : repair procedure BVA 4HP20 / AL4 / MB3 number 425 and 399 .

2 - DRAINING

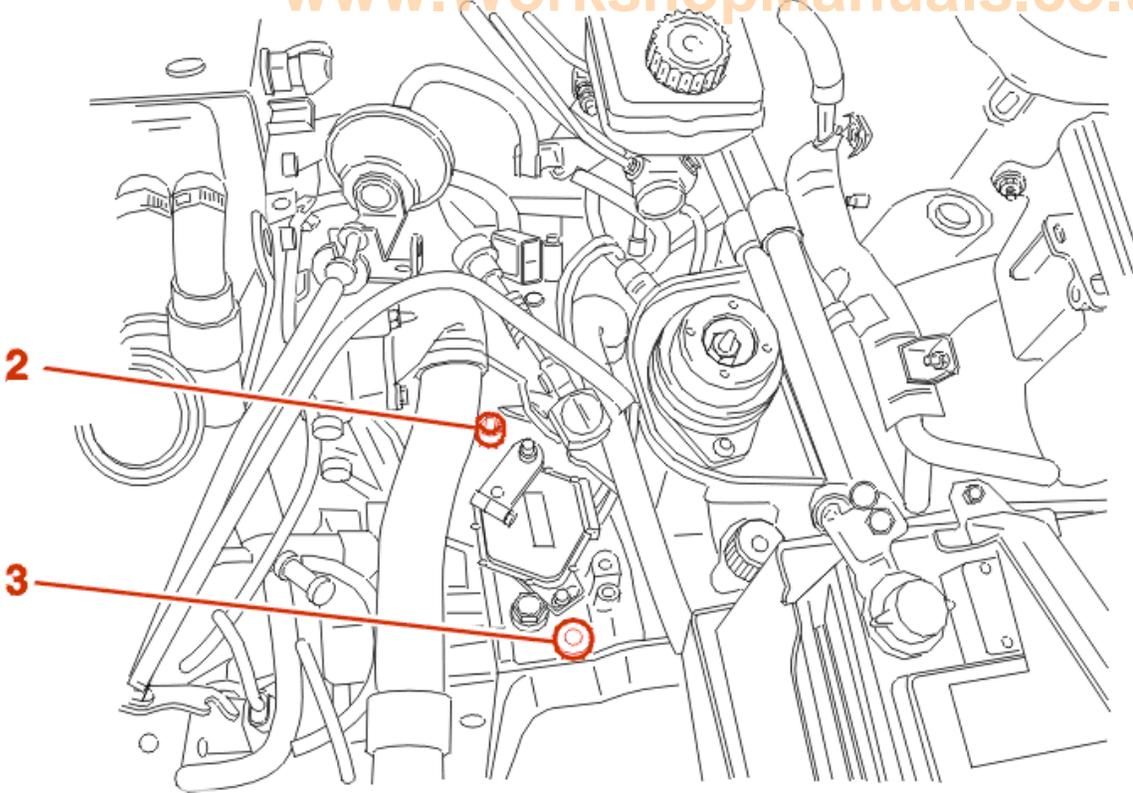
NOTE : gearbox in place ; partial oil change; about 4 litre(s) are removed .



Gearbox oil warm : Remove the bolt (1) (6 sides of 27 mm) .

3 - REFILLING

IMPERATIVE : use only ESSO LT 71141 fluid .



REMOVE THE CAP (2) USING THE TOOL [23] .

IMPERATIVE : do not remove the bolt (3) .

FILL THE GEARBOX USING THE EQUIPMENT [22] .

Quantity of oil to use :

- after draining and refilling : 4 litre(s)
- after removal/refitting of hydraulic block housing : 1,5 litre(s)
- after draining and replacement of hydraulic block : 4,5 litre(s)
- after draining and replacement of converter : 5 litre(s)

IMPERATIVE : for any operation requiring a top-up of at least 0,5 litre(s) of gearbox oil, update the oil wear counter by using the diagnostic equipment ; follow the oil level checking procedure .

4 - CHECK

IMPERATIVE : use only fluid ESSO LT 71141 .

4 - 1 - PRIOR CONDITIONS

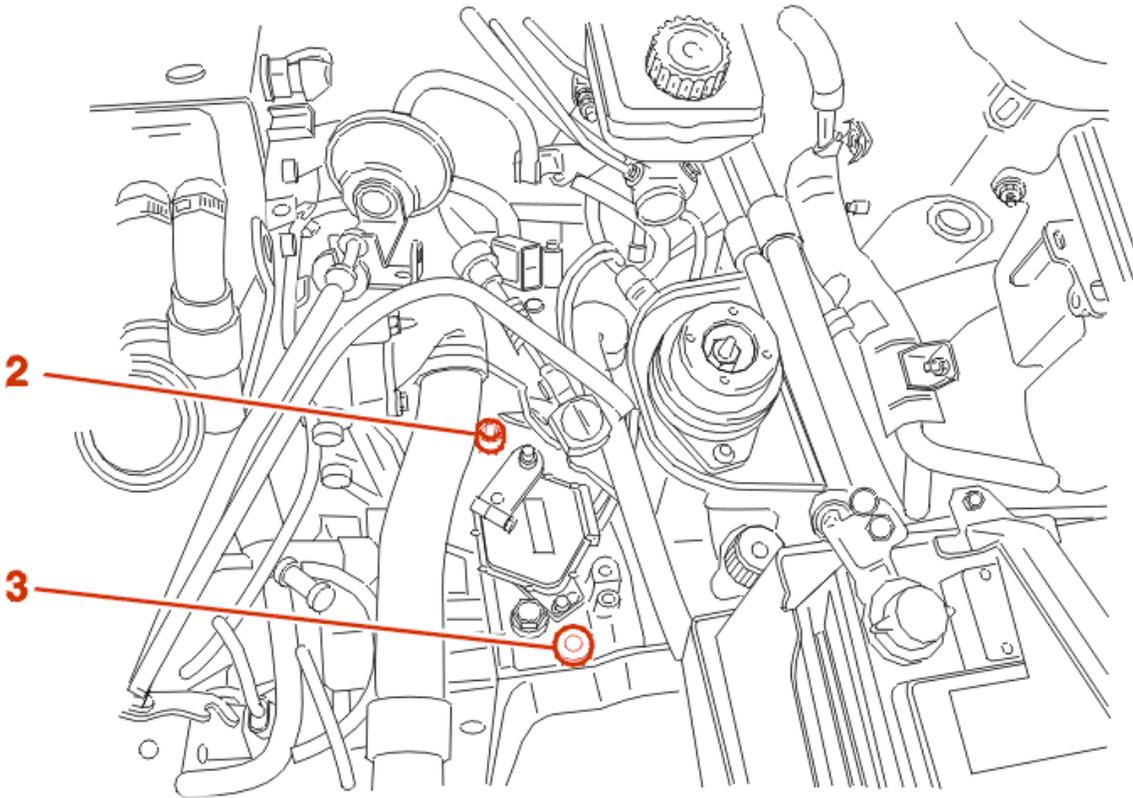
Check absence of faults using the diagnostic equipment .

Place the vehicle on a four-post lift .

Gear lever in position P (Without handbrake) .

Connect the diagnostic equipment .

Select the parameter measurement function .

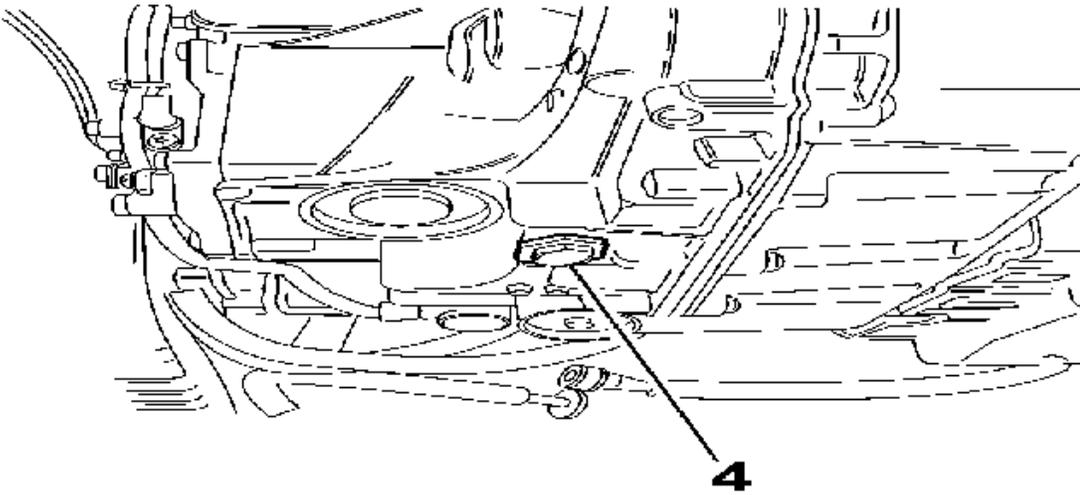


Remove the filler plug (2) .

IMPERATIVE : [ADD 0,5 LITRE\(S\) OF OIL USING THE EQUIPMENT \[22\]](#) .

WARNING : *do not remove the bolt (3) .*

Engine running : Warm the gearbox oil to a temperature between 58° C and 68 ° C .



Engine running : Remove the oil level plug (4) (6 sides of 19 mm) .

The oil runs in a trickle then drips, the level is correct .

IMPERATIVE : updating the oil wear counter .

The oil drips or does not flow at all :

- stop the engine
- allow it to cool
- add 0,5 litre(s) of oil
- start the operation again
- always renew : the seal
- tighten the bolt (4) to 2,4 da.Nm

IMPERATIVE : it is essential to add 0,5 litre(s) of oil before carrying out the procedure .