

B2CA0LK1 - 406D9 AL4 AUTOMATIC GEARBOX

FUNCTION : OIL WEAR COUNTER (AL4) AUTOADAPTIVE AUTOMATIC GEARBOX

1 - PRINCIPLES OF OPERATION

The (AL4) autoadaptive automatic gearbox ECU is fitted with an oil wear counter .

The counter starts as soon as the ECU receives an ignition positive supply .

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

The counter has 32958 units (of wear) which correspond to 6000 hours of operation at an oil temperature below 95°C .

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, in parameter measurement mode, the operator checks whether the gearbox oil needs changing .

Using the diagnostic equipment, the operator can also change the value of the oil wear counter (If necessary) .

2 - WHEN SHOULD THE VALUE OF THE OIL WEAR COUNTER BE CHANGED?

On replacement of :

- gearbox
- automatic gearbox ECU

When 0.5 litre(s) of new oil are added to the gearbox .

3 - TO WHAT VALUE SHOULD THE OIL WEAR COUNTER VALUE BE CHANGED?

3 - 1 - REPLACEMENT OF THE AUTOMATIC GEARBOX

Reset the counter to zero .

3 - 2 - CONTROL UNIT REPLACEMENT (AUTOMATIC GEARBOX)

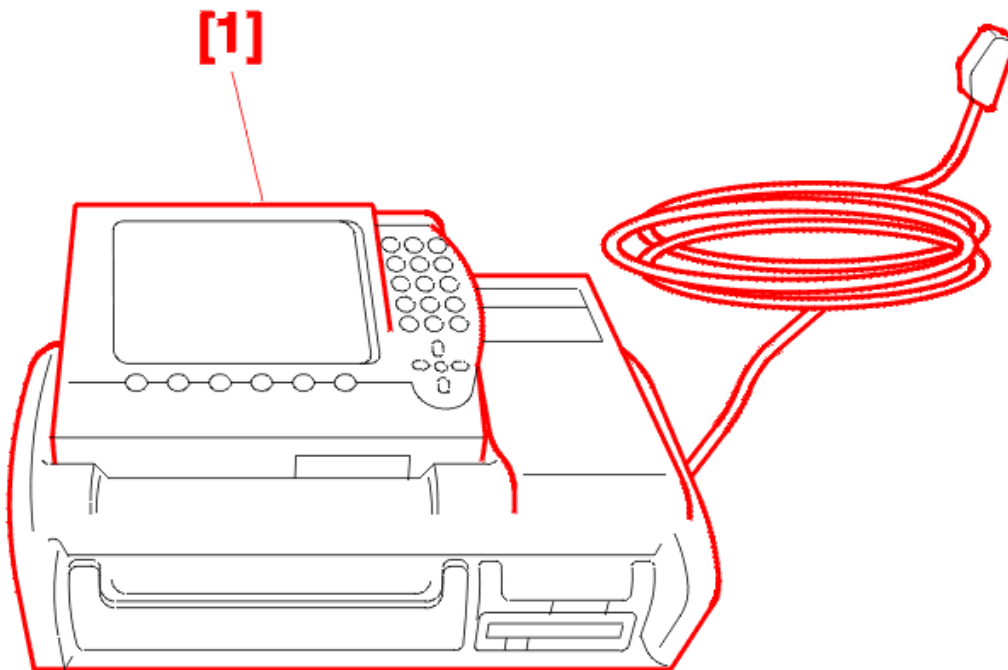
Note the value of the counter on the old ECU and transfer it to the new one .

3 - 3 - ADDITION OF NEW OIL TO THE GEARBOX

For each addition of 0.5 litre(s) of new oil to the gearbox, reduce the counter value by 2750 units .

4 - HOW IS THE OIL WEAR COUNTER VALUE CHANGED?

4 - 1 - SPECIAL TOOLS



[1] DIAG 2000 .

4 - 2 - DIAG 2000 ACTIA

Select: Oil wear counter (In the Main Menu) .

The reading and entering are carried out on the same screen .

NOTE : the Oil Change to be Carried Out: YES/NO information is also present .

Calculate the new value to be entered into the counter .

Enter the new value using the numerical keypad .