



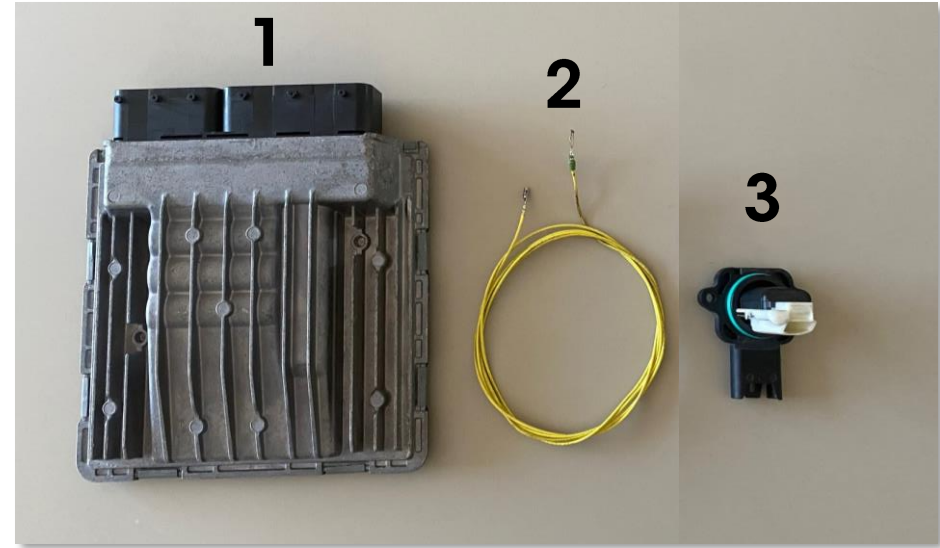
Bulleten XXX

BaTCC 325CUP ECU MSV80->MSV70 SWAP GUIDELINES



NEEDED INVENTORY

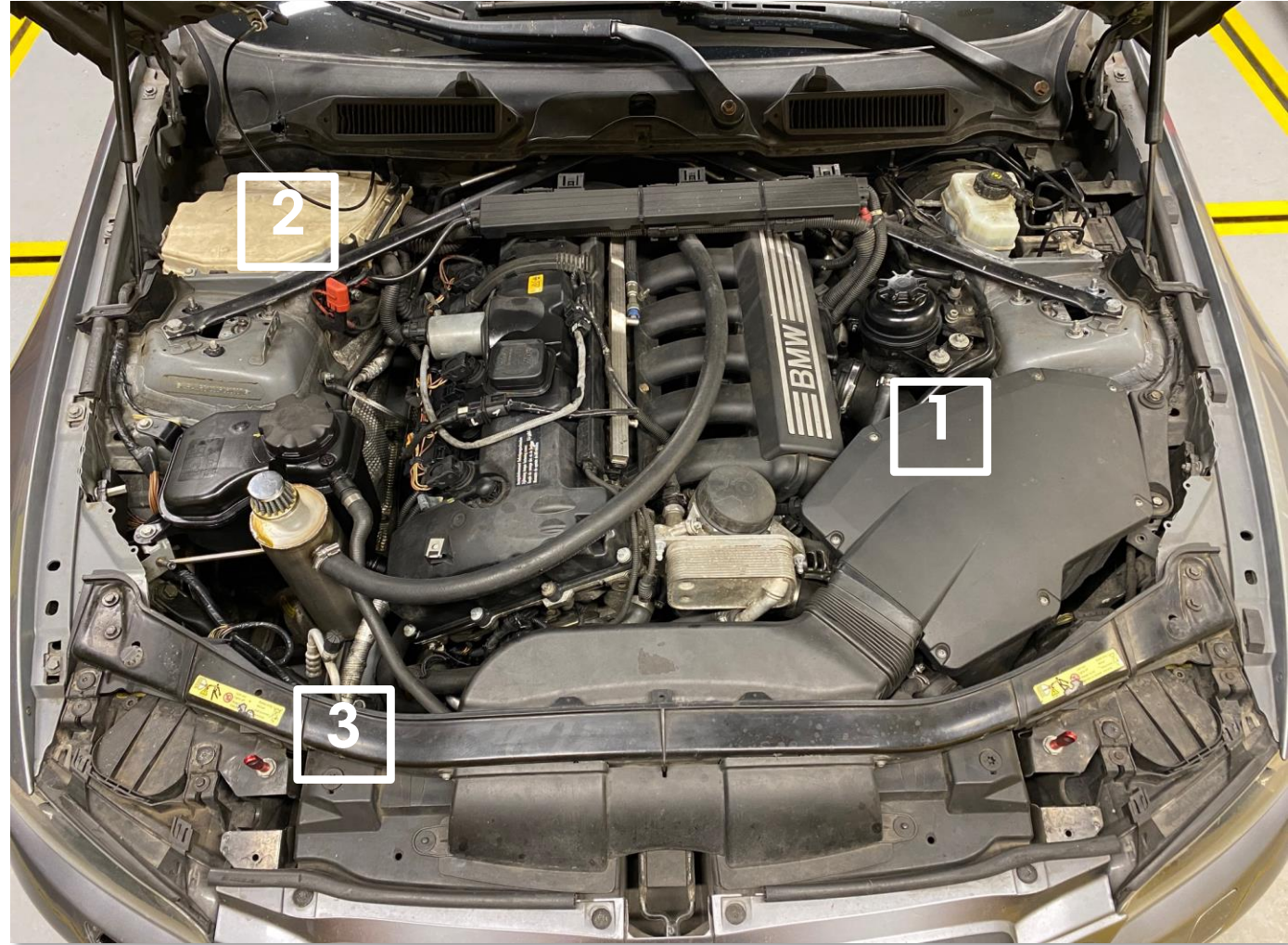
1. MSV70 ECU
2. Air flow meter 7520519
3. 1x wire from Air flow meter to ECU
4. *Coolant hose with temp sensor 7532493
5. *2x wires from temp sensor to ECU



*Only needed if temp sensor is not present in current car

MSV80->MSV70 SWAP PROCESS STEPS

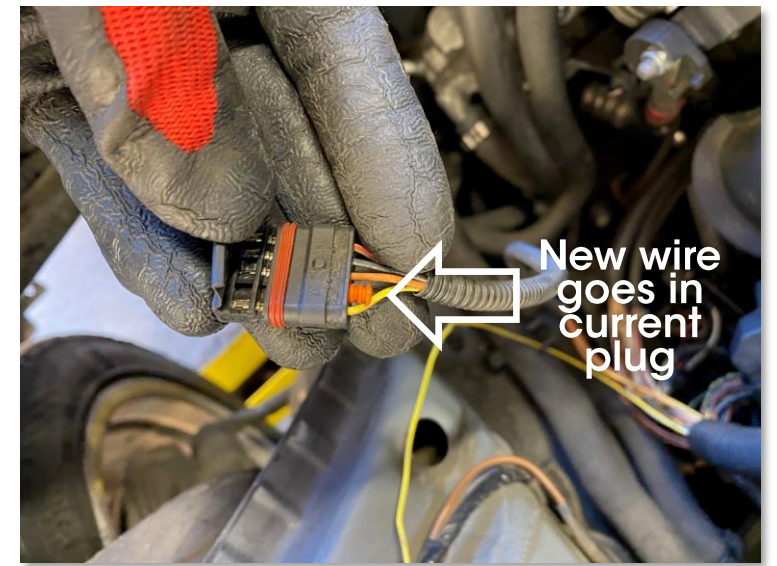
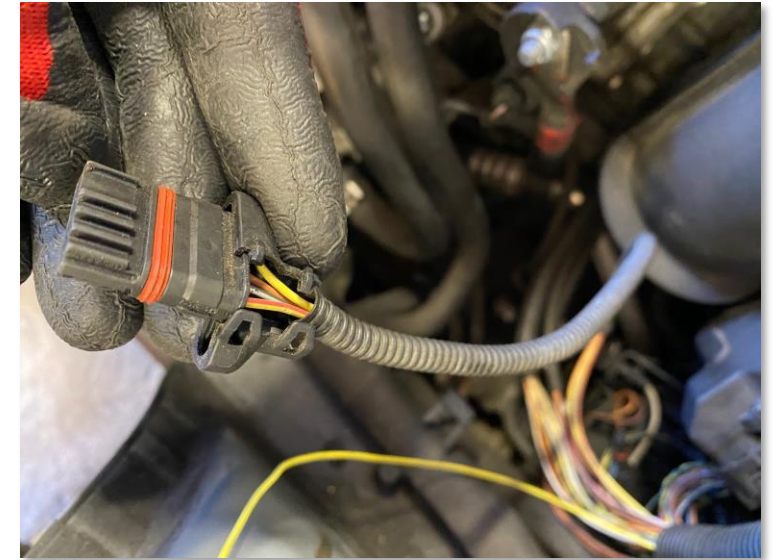
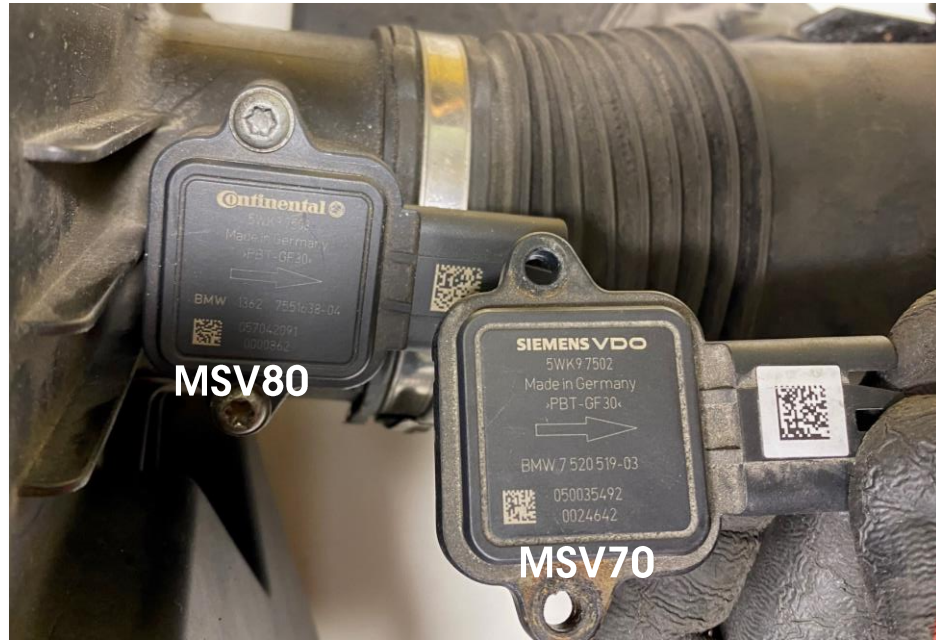
1. Air flow meter swap + new wire
2. Rewiring ECU
3. *Adding coolant hose with temp sensor



*Only needed if temp sensor is not present in current car

AIR FLOW METER SWAP + NEW WIRE

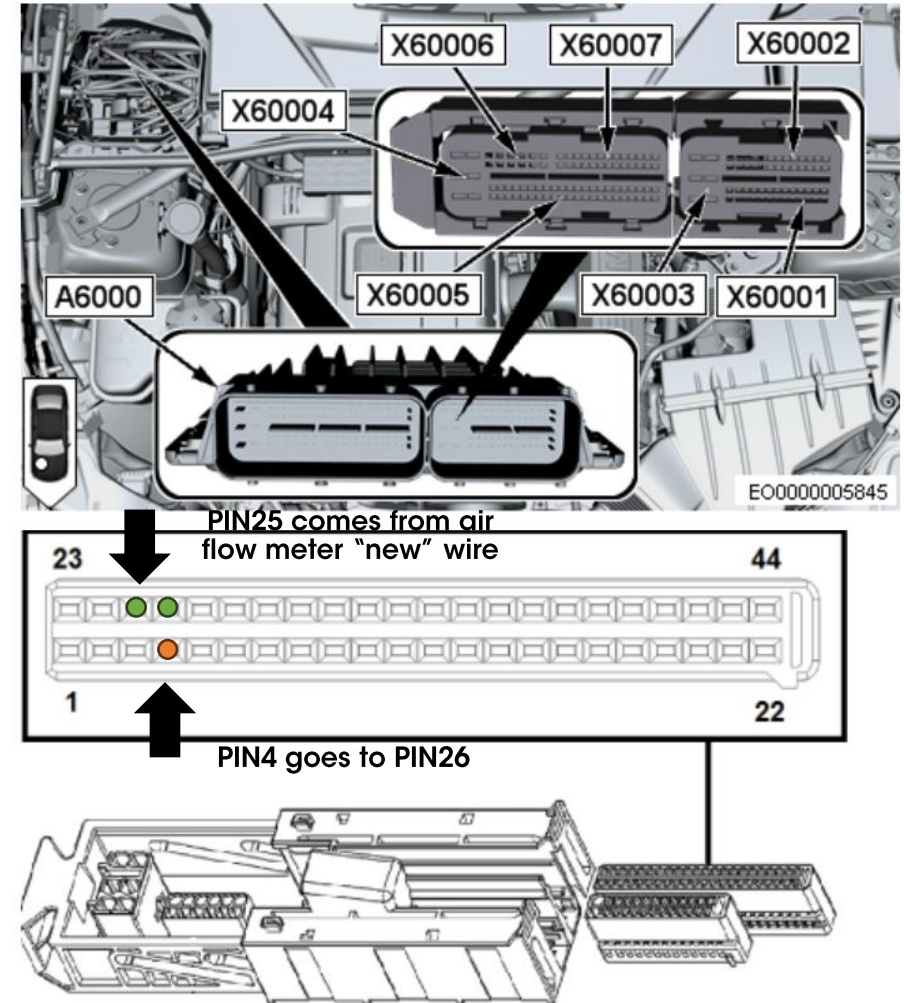
1. Swap air flow meter to 7520519
2. Bring 1x extra wire from ECU box to air flow meter
Preferred to use wire from donor engine harness. With original endings.
Extra wire goes to empty slot in current plug.



REWIRING DME

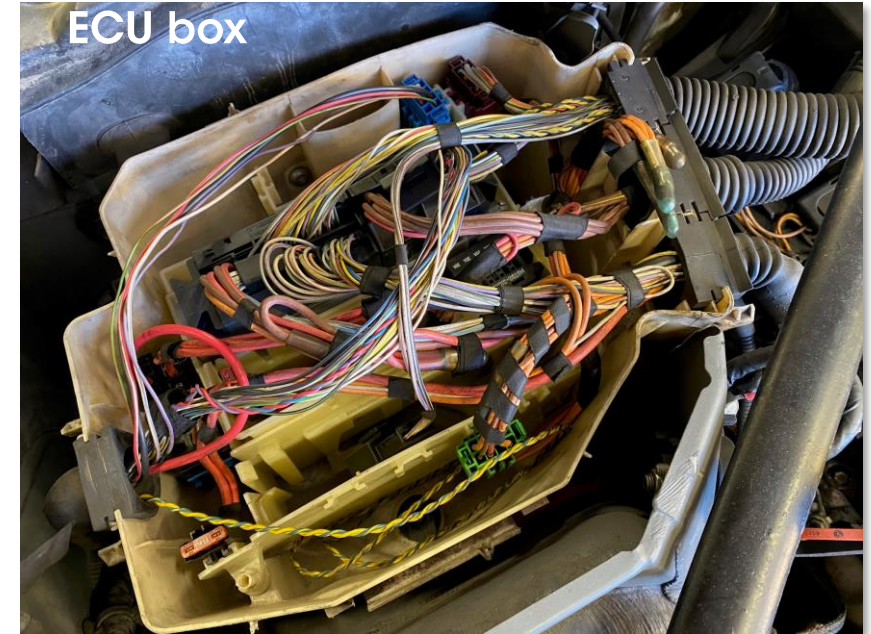
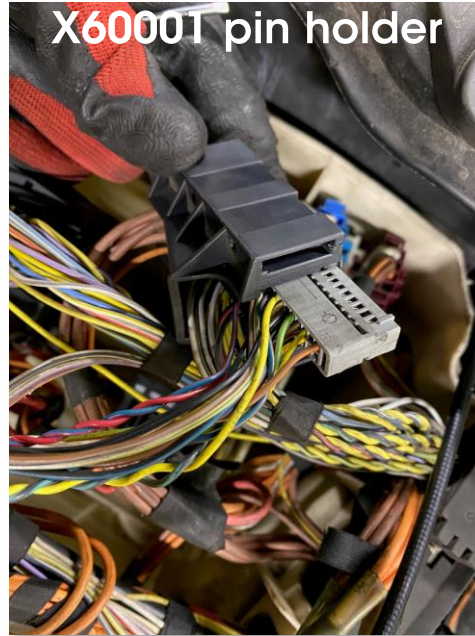
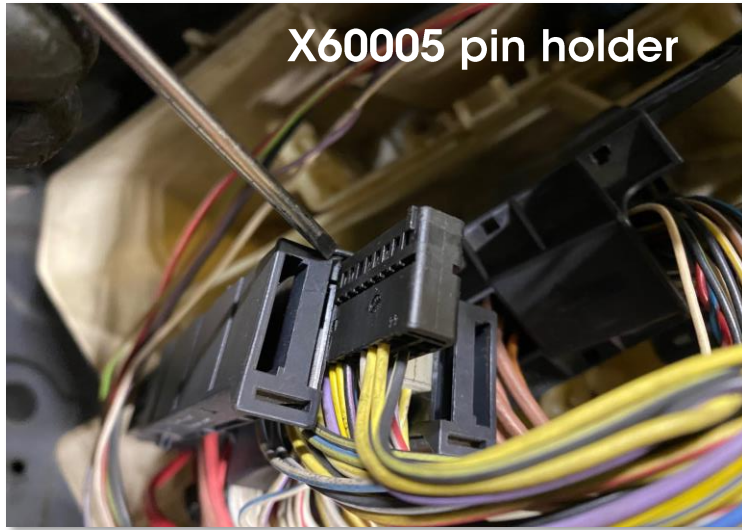
1. Disconnect battery
2. Disconnect ECU connectors and remove ECU
3. There are two connectors on the ECU, we'll be working with X60005 and X60001 pin holders.
4. Slide out the harness/pin holders to reach X60005.
5. Find PIN4, Yellow Wire. Remove the pin by pressing the small detent on the pin. Find PIN26 location, it should be open with no wire. Install the YELLOW wire into PIN4.
6. Install "new" wire from Air flow meter into PIN25
7. Slide out the harness/pin holders to reach X60001.
8. Find PIN 15 and remove the pin from connector plug. Isolate and leave in DME box.
9. *Install "new" wire from temp sensor PIN6
10. *Install "new" wire from temp sensor PIN19
11. Put everything back together and install the MSV70 ECU

FOTO below



*Only needed if temp sensor is not present in current car

REWIRING ECU



Pin assignments at plug connector X60001

Pin	Type	Description /Signal type
6	E	Signal Temperature sensor at radiator outlet
15	E	Signal, electronic vehicle immobilizer
19	E	Signal Temperature sensor at radiator outlet

Connection /Measuring notes

Temperature sensor at radiator outlet
Car access system
Temperature sensor at radiator outlet

Pin assignments at plug connector X60005

Pin	Type	Description /Signal type
4		Not used
25	A	Supply Hot-film air mass meter
26	E	Signal Hot-film air mass meter

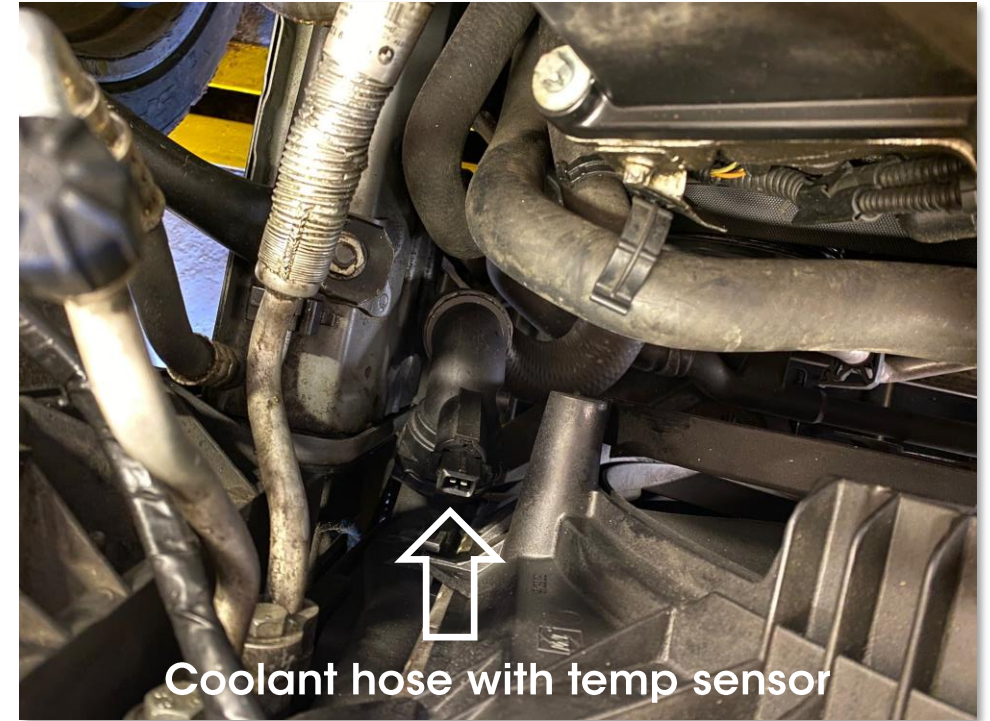
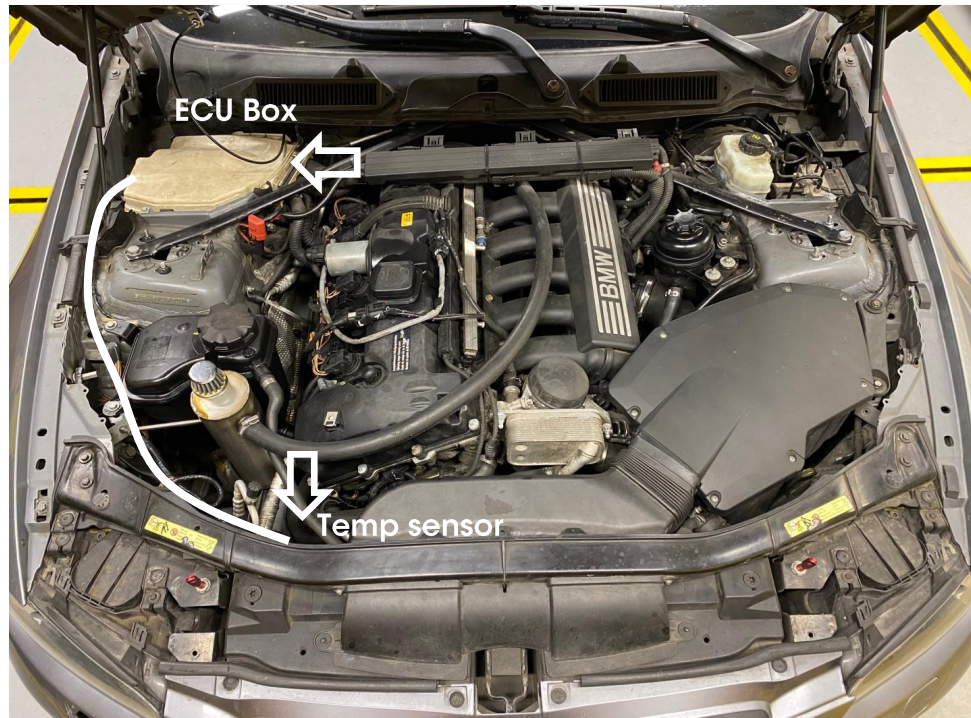
Connection /Measuring notes

Hot-film air mass meter
Hot-film air mass meter

* COOLANT HOSE WITH TEMP SENSOR

1. Install coolant hose with temp sensor 7532493
2. Bring 2x extra wire from ECU box to air flow meter (PIN6 and PIN19 in X60001 pin holder)

Preferred to use wire from donor engine harness.
Recommended route for new wires below:



*Only needed if temp sensor is not present in current car