



## **Assembly instruction** **Volvo S40/V50 T5 2004>**

### **Read this before assembly!**

Carfully check for dirt and particles in all pipes and hoses. Also check for dirt inside the filter. At smallest hesitation, clean and wipe everything thoroughly before assembly!

Check hoses for deformations, cracks or other leakage. The clamps should be in good condition or to be replaced. Please note, when fitting BSR air filter, do not tighten the air filter to hard, be gentle. Check before and after testdrive that everything are tight and firm.



# Assembly instruction

## Volvo S40/V50 T5 2004>

### Proposal of tools:

- ¼ Catch, Extender, socket 7, 8, 10 mm
- ½ Catch, Extender, socket 15 mm
- Phillips screw driver
- Wrench 8 mm
- Torx 25, 30
- Wire cutter
- Car jack



1. Material overview.



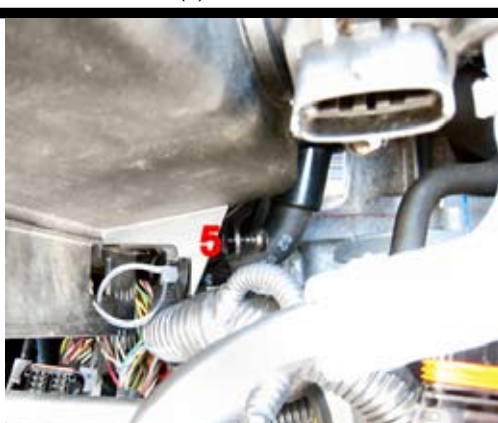
2. Remove the plastic cover (1) above the ECU by pulling. Remove the inlet tubing (2). Remove screws and turn pipe 45° clockwise. Remove the inlet pipe (3) from the inlet by pushing the red ring and at the same time pulling the pipe. Remove the hose (4) from the air mass meter.



3. Disconnect the battery. Release the connector from the air mass meter.



4. Remove the connectors from the ECU. Loosen both of the red clips and pull the connectors.



5. Remove the cable harness from the air filter box. Cut of the tie wrap holding the harness. Remove screw (5).



6. Remove the cable harness from the air filter box.



7. Remove the two bolts from the right hand side engine mounting. Remove the protective cover from under the engine. Put the car jack under the oil pan and lift up the engine slightly, max 10-15mm. Push the engine backwards.



8. Pull the airfilter box straight up until lets go of the rubber bushing. Then pull the box to the left and turn it at the same time upwards to release it. Remove the ECU and the air mass meter from the air filter box.



9. Cars with automatic gear box: Open the electrical harness cover.





# Assembly instruction

## Volvo S40/V50 T5 2004>

### Proposal of tools:

- 1/4 Catch, Extender, socket 7, 8, 10 mm
- 1/2 Catch, Extender, socket 15 mm
- Phillips screw driver
- Wrench 8 mm
- Torx 25, 30
- Wire cutter
- Car jack



**10.** Assemble the 6 plastic clips to the plate (8). Assemble the air mass meter and the ECU to the OptiFlow heat shield. Assemble the rod (9). (as picture shows)



**11.** Assemble the plastic "washer" to the rubber-bushings (7).



**12.** Assemble the OptiFlow heat shield to the car, slide it down from right to left. Fit the steering pin under the OptiFlow heat shield to the rubber bushing (See pic 11 point 6).



**13.** Tighten the heat shield, start with the two attach points to the left, leave the third for later



**14.** Assemble the harness connector and the air hose to the air mass meter. Assemble the two harness connectors to the ECU. Snap on the red locks. Assemble the vacuum pipe to the inlet.



**15.** Assemble BSR air hose (10) and performance air filter(11). Assemble the rod(13) as picture. Lower the engine and assemble the bolts to the engine mounting. Assemble the inlet tubing (12) and reconnect the battery.