



How to change the glow
plugs on the **Ford Transit**
Mk7 van – replacement
guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

FORD MONDEO III Estate (BWY) 2.2 TDCi, FORD TRANSIT Bus (FD_-, FB_-, FS_-, FZ_-, FC_-) 2.4 DI RWD (F_B_, F_C_, F_A_), FORD TRANSIT Bus (FD_-, FB_-, FS_-, FZ_-, FC_-) 2.4 DI, FORD TRANSIT Box (FA_-) 2.4 DI, FORD TRANSIT Box (FA_-) 2.4 DI RWD (FAA_, FAB_, FAC_, FAD_), FORD TRANSIT Platform/Chassis (FM_-, FN_-) 2.4 DI, FORD TRANSIT Bus (FD_-, FB_-, FS_-, FZ_-, FC_-) 2.4 DI RWD (F_B_, F_C_), FORD MONDEO III Saloon (B4Y) 2.0 16V DI / TDDi / TDCi, FORD MONDEO III Saloon (B4Y) 2.0 16V TDDi / TDCi, FORD MONDEO III (B5Y) 2.0 16V DI / TDDi / TDCi, FORD MONDEO III Estate (BWY) 2.0 16V DI / TDDi / TDCi, FORD MONDEO III (B5Y) 2.0 16V TDDi / TDCi, FORD MONDEO III Estate (BWY) 2.0 16V TDDi / TDCi, FORD TRANSIT Bus (FD_-, FB_-, FS_-, FZ_-, FC_-) 2.0 DI, FORD TRANSIT Box (FA_-) 2.0 DI, (+ 29)

The steps may slightly vary depending on the car design.

REPLACEMENT: GLOW PLUGS – FORD TRANSIT MK7
VAN. TOOLS YOU'LL NEED:



- Wire brush
- Nylon brush
- WD-40 spray
- All-purpose cleaning spray
- Electronic spray
- Ceramic grease
- Torque wrench
- 7 mm socket
- 8 mm socket
- 10 mm socket
- 13 mm socket
- 10 mm glow plug socket
- Ratchet wrench
- U-joint socket extension
- Clip removal tool
- Gasket scraper
- Microfibre towel
- Paper towels
- Fender cover

BUY TOOLS

Replacement: glow plugs – Ford Transit Mk7 van. AUTODOC experts recommend:

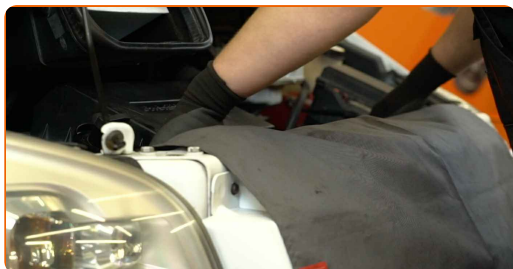
- The replacement procedure is identical for all glow plugs.
- All the work should be carried out with the ignition switched off.

CARRY OUT THE REPLACEMENT STEPS AS FOLLOWS:

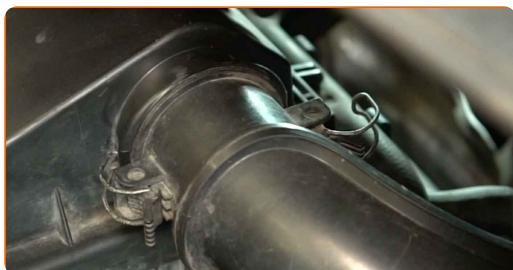
1 Open the bonnet.



2 Use a fender protection cover to avoid damaging the paintwork and plastic parts of the car.



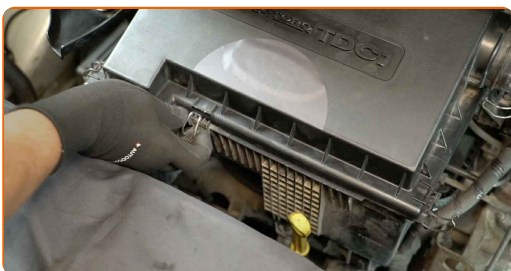
3 Unsnap the air intake hose clips.



4 Disconnect the air intake hose from the air filter housing.



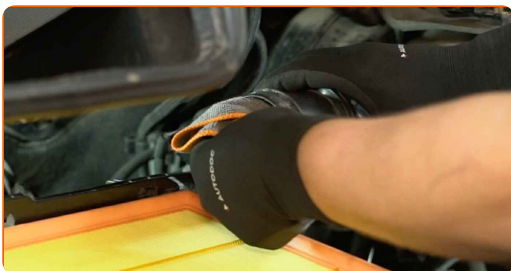
5 Unsnap the air filter cover clips.



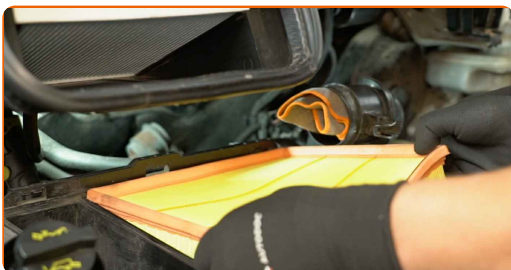
6 Remove the air filter cover.



7 Plug the air intake hose with a microfibre towel to prevent dust and dirt from getting into the system.

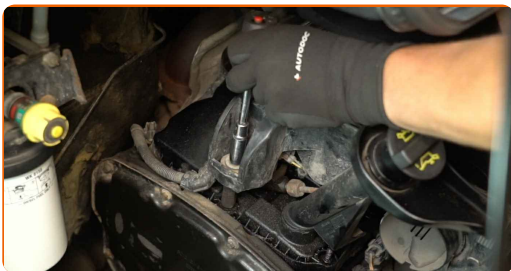


8 Remove the filter element from the filter housing.



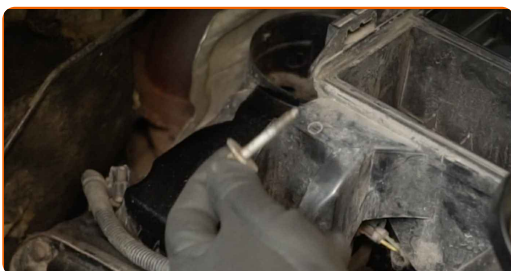
9

Unscrew the fasteners of the air filter housing. Use a 10 mm socket. Use a ratchet wrench.



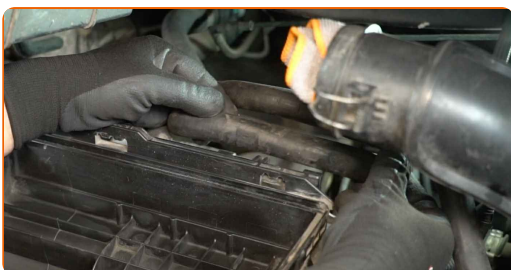
10

Remove the fastening bolts.



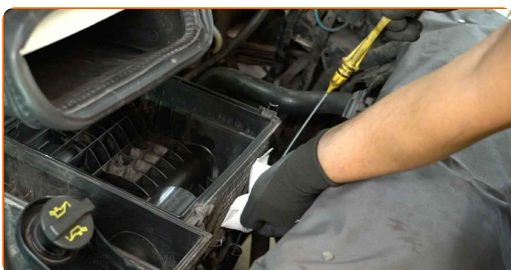
11

Detach the rubber hoses from the air filter housing.



12

Remove the oil dipstick.

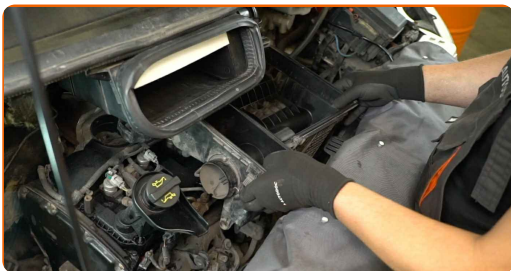


13

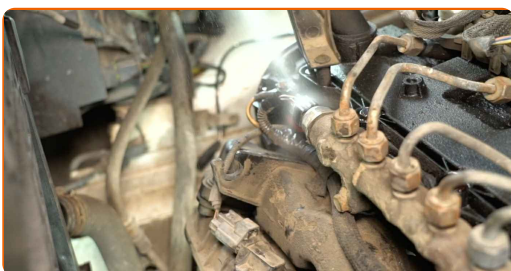
Plug the oil dipstick hole with a paper towel to prevent dirt from entering the system.



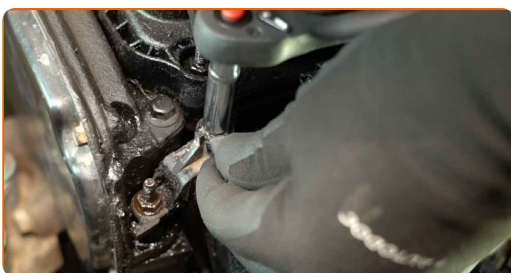
14 Remove the air filter housing.



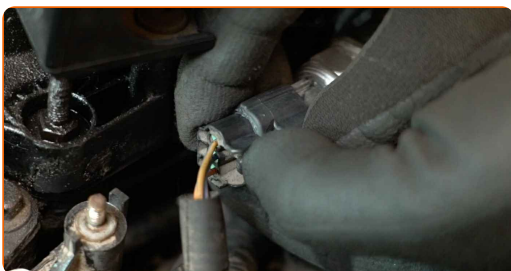
15 Clean the connectors of the fuel pressure, MAP and camshaft position sensors. Use an all-purpose cleaning spray.



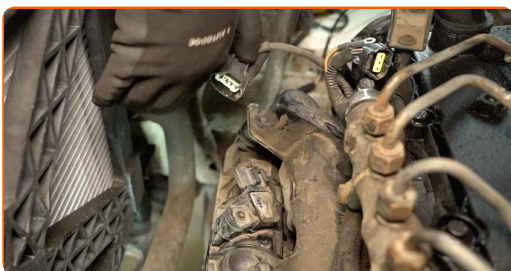
16 Unscrew the nut that secures the glow plugs power cable terminal. Use an 8 mm socket. Use a ratchet wrench.



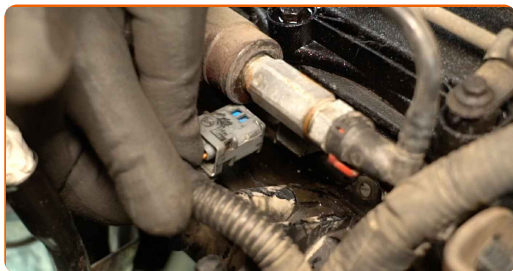
17 Detach the fuel pressure sensor connector.



18 Detach the MAP sensor connector.



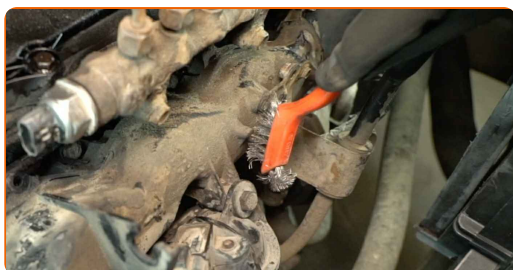
19 Detach the camshaft position sensor connector.



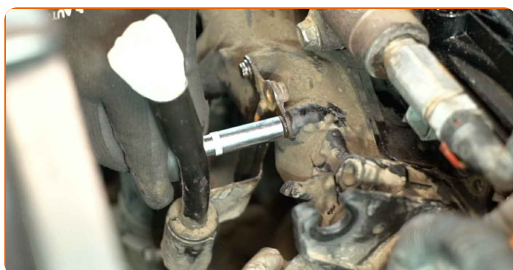
20 Detach the wiring harness fastener and move the harness aside. Use a clip removal tool.



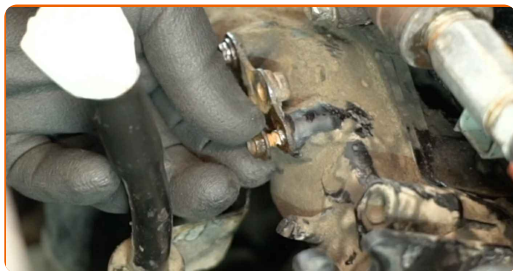
21 Clean the fasteners of the oil dipstick tube bracket. Use a wire brush. Use WD-40 spray.



22 Unscrew the fasteners of the oil dipstick tube bracket. Use an 8 mm socket. Use a ratchet wrench.



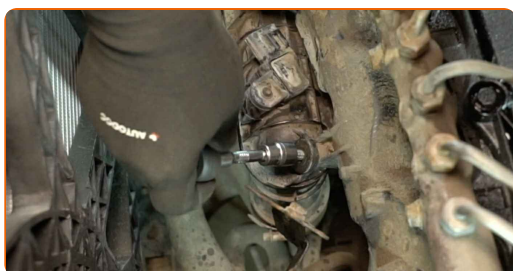
23 Remove the fastening bolts.



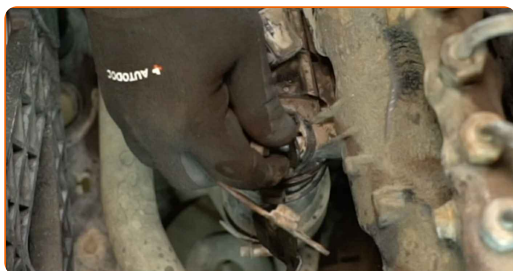
24 Clean the intake manifold fasteners. Use a wire brush. Use WD-40 spray.



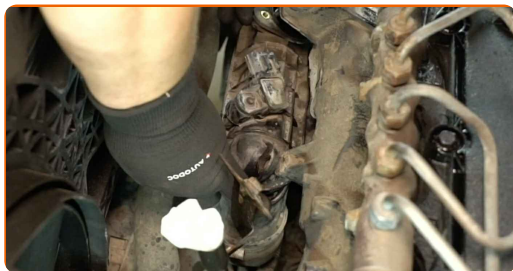
25 Unscrew the fasteners that connect the air intake hose to the intake manifold. Use a 13 mm socket. Use an 8 mm socket. Use a ratchet wrench. Use a U-joint socket extension.



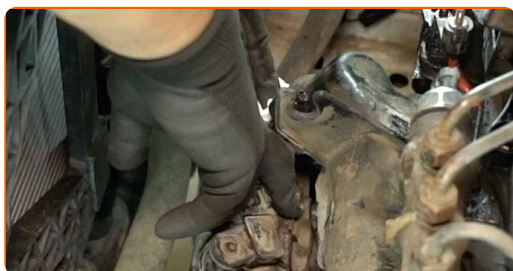
26 Remove the fastening bolts.



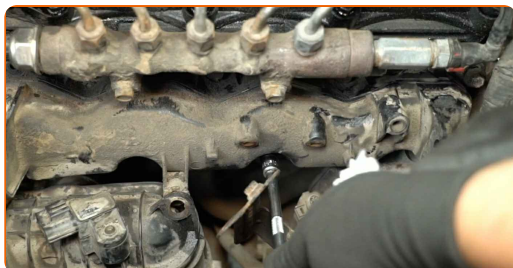
27 Detach the air intake hose from the intake manifold.



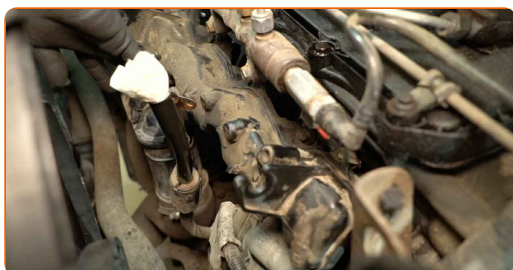
28 Plug the air intake hose with a paper towel to prevent dust and dirt from getting into the system.



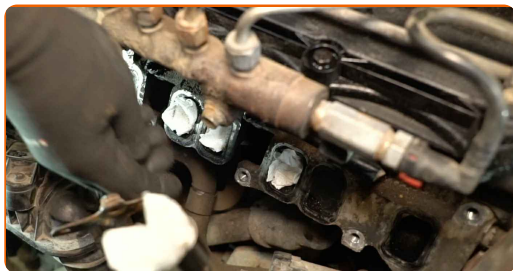
29 Unscrew the intake manifold fasteners. Use a 10 mm socket. Use a ratchet wrench.



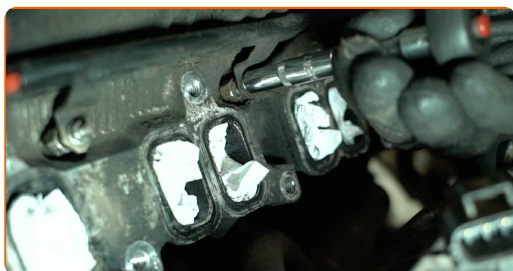
30 Remove the intake manifold.



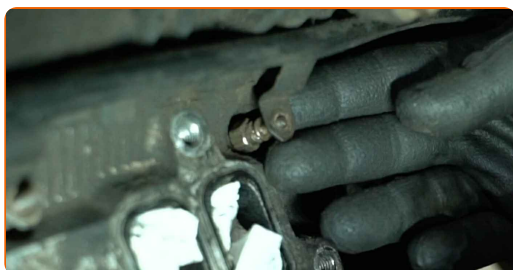
31 Plug the intake manifold openings with paper towels to prevent dust and dirt from getting into the system.



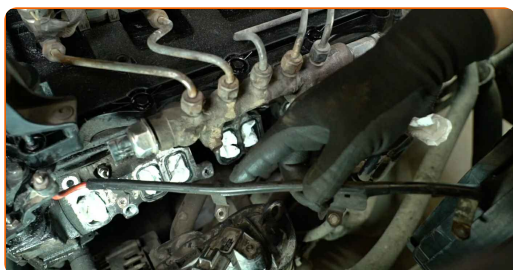
32 Unscrew the nuts that connect the power terminals to the glow plugs. Use a 7 mm socket. Use a ratchet wrench.



33 Remove the power terminal nuts.

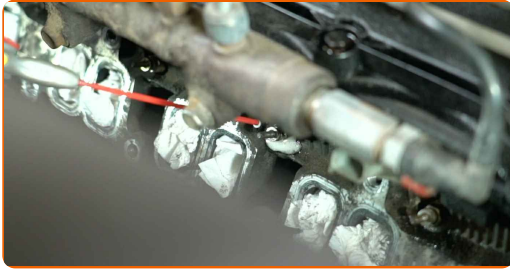


34 Remove the terminals and move the glow plug wire out of the way.



35

Clean around the glow plug wells to remove any dirt, dust or debris. Use a wire brush. Use WD-40 spray.



36

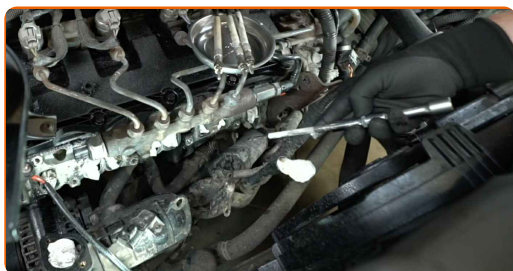
Unscrew the glow plugs. Use a 10 mm glow plug socket. Use a torque wrench.



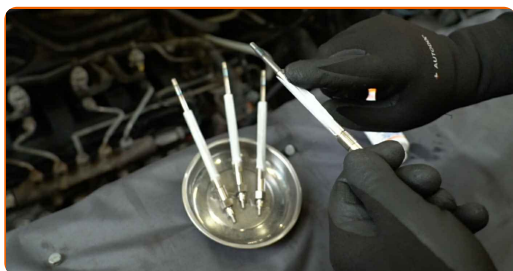
Replacement: glow plugs – Ford Transit Mk7 van. Professionals recommend:

- Glow plugs can get stuck over time and break apart when removed.
- Before unscrewing the parts, use a torque wrench to loosen them to avoid exceeding the breakaway torque specified by the car manufacturer.
- If you have reached the breakaway torque but the glow plugs still will not loosen up, you need to seek professional help: a glow plug fragment left inside the well or damage to the thread of the mounting seat can result in costly engine repairs.

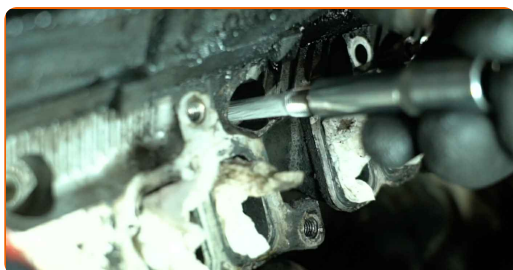
37 Remove the glow plugs.



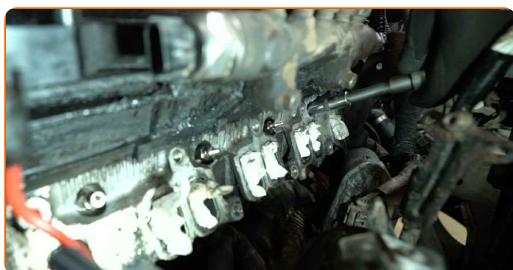
38 Treat the new glow plugs. Use ceramic grease.



39 Install the new glow plugs into their mounting seats.



40 Tighten the glow plugs. Use a 10 mm glow plug socket. Use a torque wrench. Tightening torque: 13 N·m.



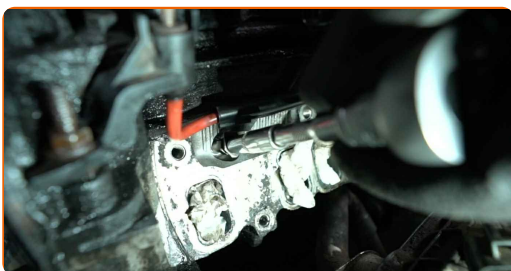
Caution!

- Don't use excessive force when tightening the glow plugs. Overtightening can damage the threaded connection.

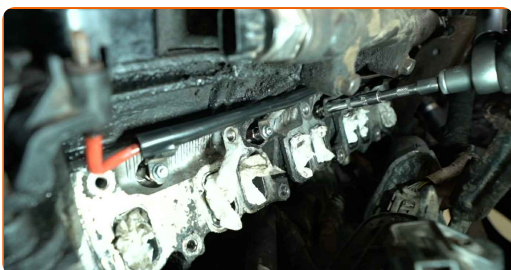
41 Install the glow plug wire.



42 Screw on the power terminal nuts.



43 Tighten the power terminal nuts. Use a 7 mm socket. Use a torque wrench. Tightening torque: 4 N·m.



44 Clean the intake manifold mounting seat. Use a gasket scraper. Use an all-purpose cleaning spray.



45 Remove the intake manifold gaskets.



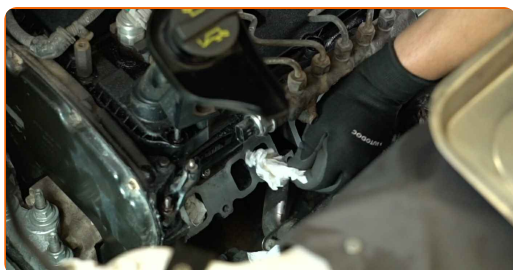
46 Clean the intake manifold. Use a nylon brush. Use an all-purpose cleaning spray.



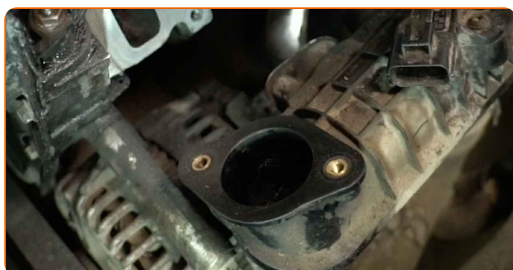
47 Install new intake manifold gaskets.



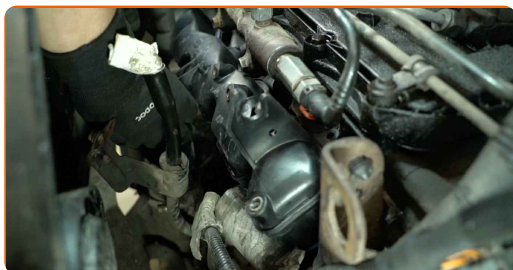
48 Remove the paper towels from the intake manifold openings.



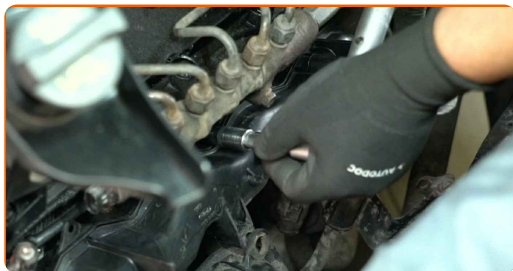
49 Remove the paper towel from the air intake hose.



50 Install the intake manifold.

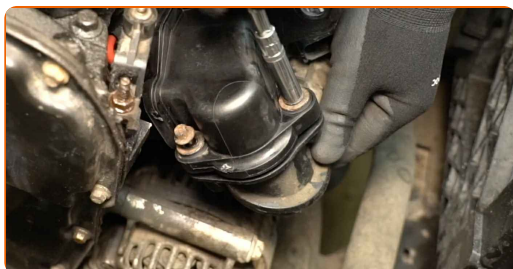


51 Tighten the intake manifold fasteners. Use a 10 mm socket. Use a torque wrench. Tightening torque: 25 N·m.

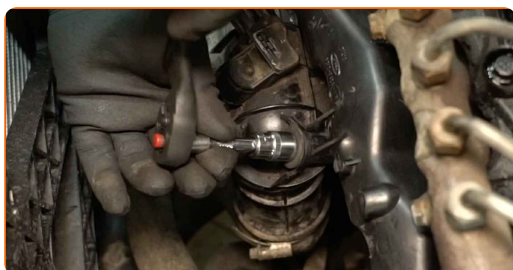


52 Attach the air intake hose to the intake manifold.

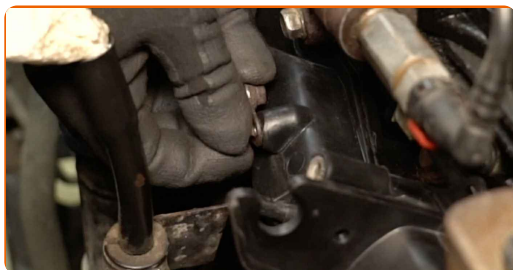
53 Install the fastening bolts.



54 Screw in the fasteners that connect the air intake hose to the intake manifold. Use a 13 mm socket. Use an 8 mm socket. Use a ratchet wrench. Use a U-joint socket extension.

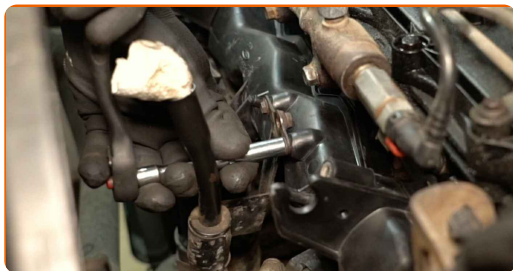


55 Install the fasteners of the oil dipstick tube bracket.



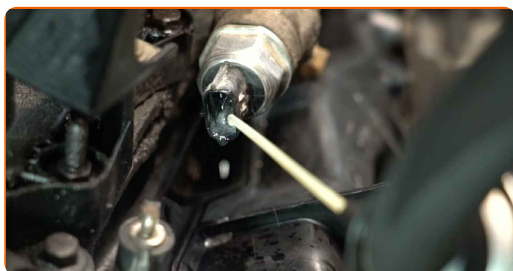
56

Screw in the fasteners of the oil dipstick tube bracket. Use an 8 mm socket. Use a ratchet wrench.



57

Treat the fuel pressure sensor connector. Use an electronic spray.



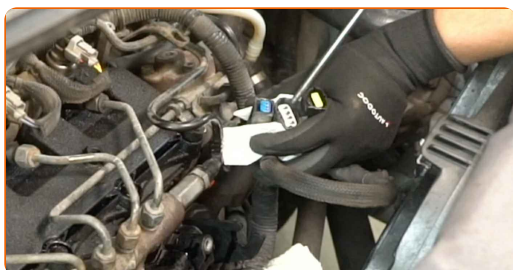
58

Treat the MAP sensor connector. Use an electronic spray.

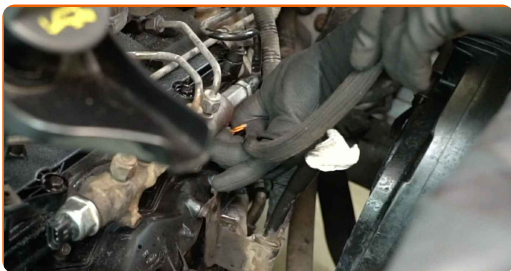


59

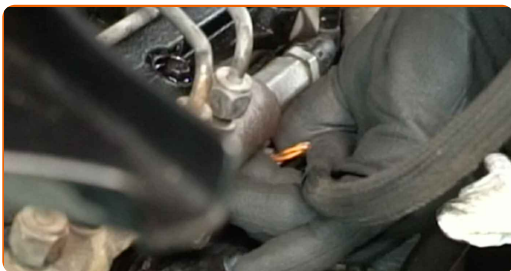
Treat the camshaft position sensor connector. Use an electronic spray.



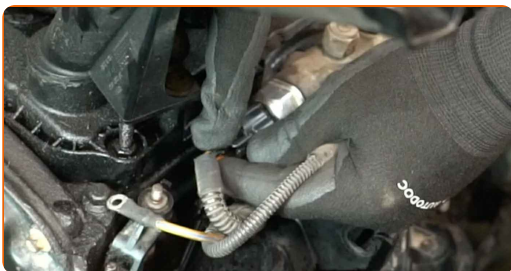
60 Install and secure the wiring harness.



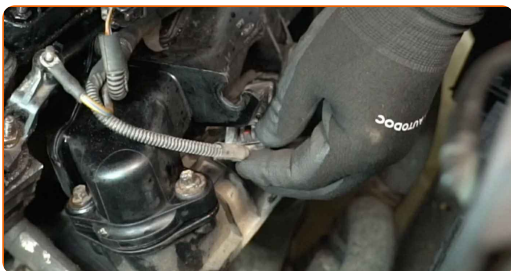
61 Attach the camshaft position sensor connector.



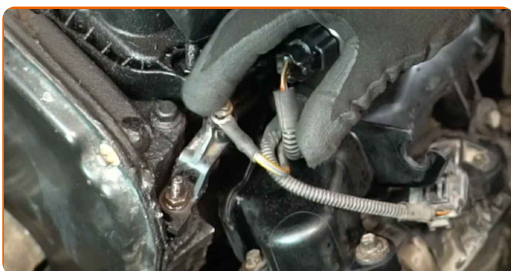
62 Attach the fuel pressure sensor connector.



63 Attach the MAP sensor connector.



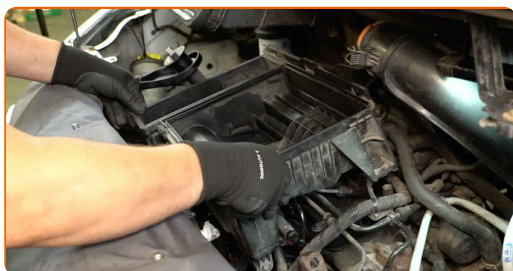
64 Attach the glow plugs power cable terminal and screw on the nut that secures it. Use an 8 mm socket. Use a ratchet wrench.



65 Clean the air filter cover and housing.



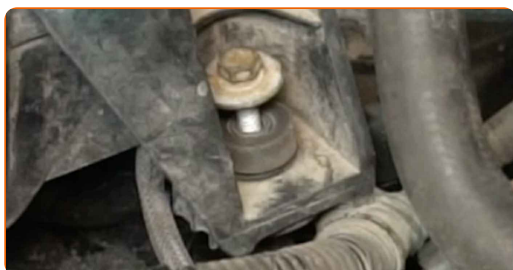
66 Install the air filter housing.



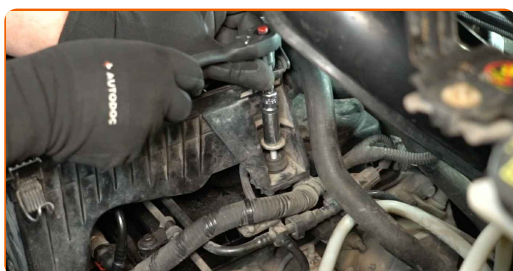
67 Secure the rubber hoses on the air filter housing.



68 Install the fastening bolts.



69 Screw in the fasteners of the air filter housing. Use a 10 mm socket. Use a ratchet wrench.



70 Install the filter element.



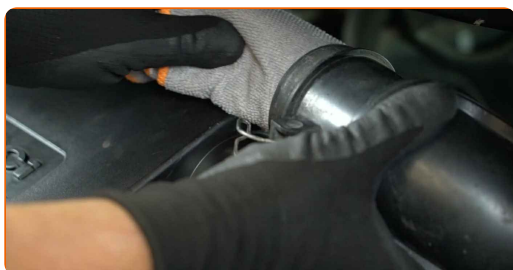
71 Install the air filter cover.



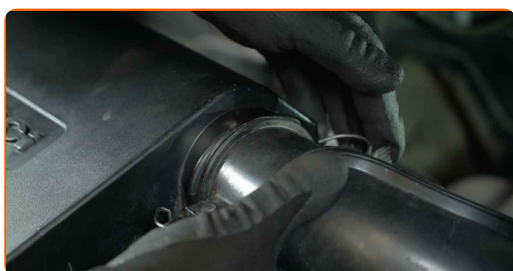
72 Snap the air filter cover clips into place.



73 Remove the microfibre towel from the air intake hose.



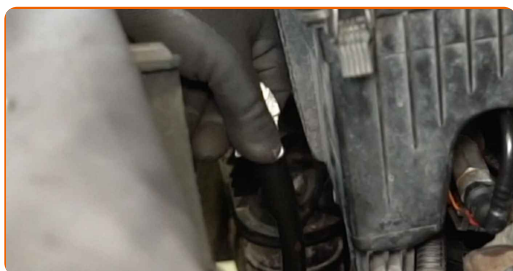
74 Connect the air intake hose to the air filter housing.



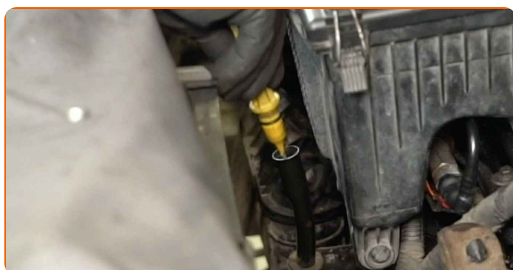
75 Snap the air intake hose clips into place.



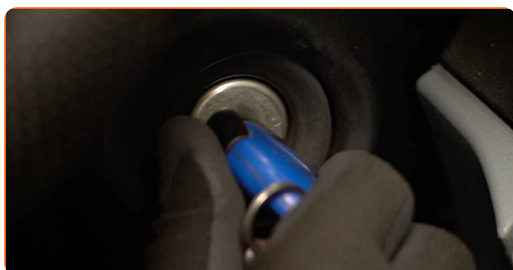
76 Remove the paper towel from the oil dipstick hole.



77 Insert the oil dipstick.



78 Run the engine for a few minutes. This is necessary to ensure that the components work properly.

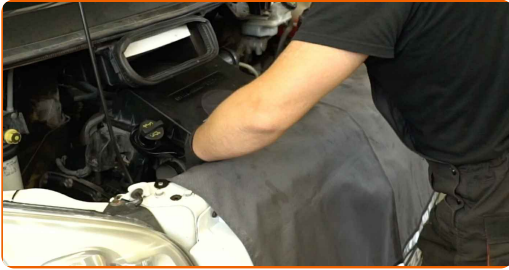


79 Switch off the engine.



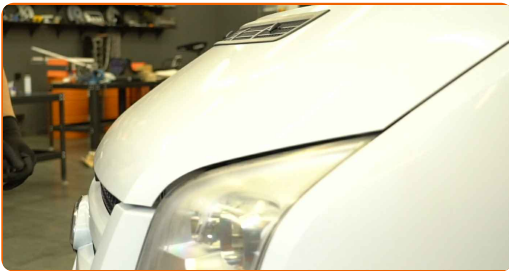
80

Remove the fender cover.



81

Close the bonnet.



WELL DONE! 

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