
Please read the instructions carefully before installing the product.

PEDALCONTROL

PedalBox Pro



PEDAL CONTROL - HIGH IDLE installation manual

Mercedes Benz - 3.0 V6 CDI Diesel (OM 642)

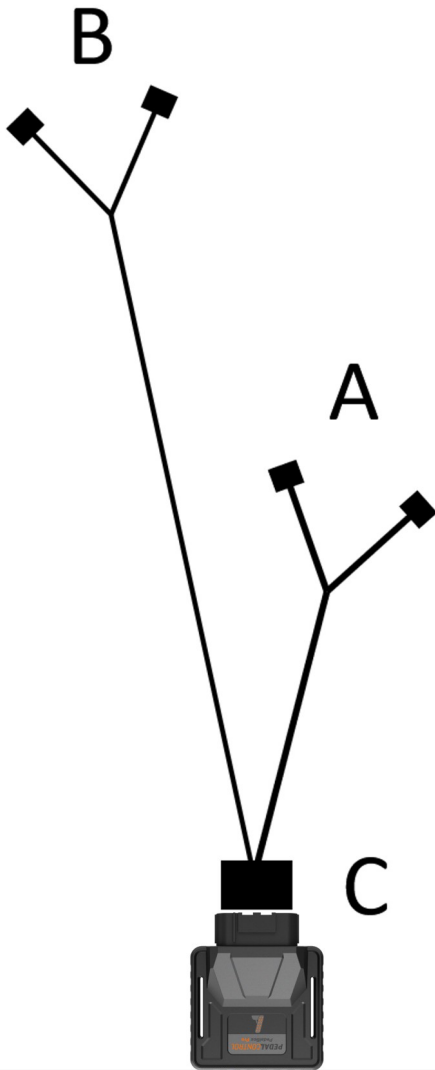
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Explanation of symbols

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Installation of the PEDAL CONTROL High Idle



This step-by-step guide describes the proper installation of the PEDAL CONTROL High Idle System and provides detailed instructions for routing and connecting the wiring harness to the designated connection points:

A – Accelerator pedal connector (6-pin),

B – Camshaft sensor (3-pin), and

C – PEDAL CONTROL module connection.

Carry out all installation steps with the utmost care and ensure that the ignition is completely switched off before starting the installation.

After switching off the ignition, wait at least 10 minutes before beginning the installation to ensure the system has fully powered down.

Use appropriate tools and avoid damaging connectors or cables.

Important Note:



In vehicles equipped with keyless entry, the accelerator pedal may be activated as soon as the key holder approaches the vehicle. In this case, ensure that the key is placed well out of range of the vehicle to prevent unintentional activation of the accelerator pedal.

Disconnect the accelerator pedal connector

First, release the safety lock on the accelerator pedal connector. Then fully disconnect the connector.





PEDAL CONTROL Connect the cable adapter

Connect the two 6-pin connectors of the supplied cable adapter to the corresponding vehicle connectors. Ensure that the locking mechanisms of the connectors engage securely with an audible and tactile click.



Important Note:



It is essential to ensure that the cable and the control unit (ECU) are mounted in such a way that they cannot fall into the footwell or interfere with the movement of the pedals or the steering column. This ensures a safe installation and prevents potential hazards while driving.

PEDAL CONTROL Connect the module

Insert the module connector of the cable adapter into the PEDAL CONTROL module and lock the connector in place.



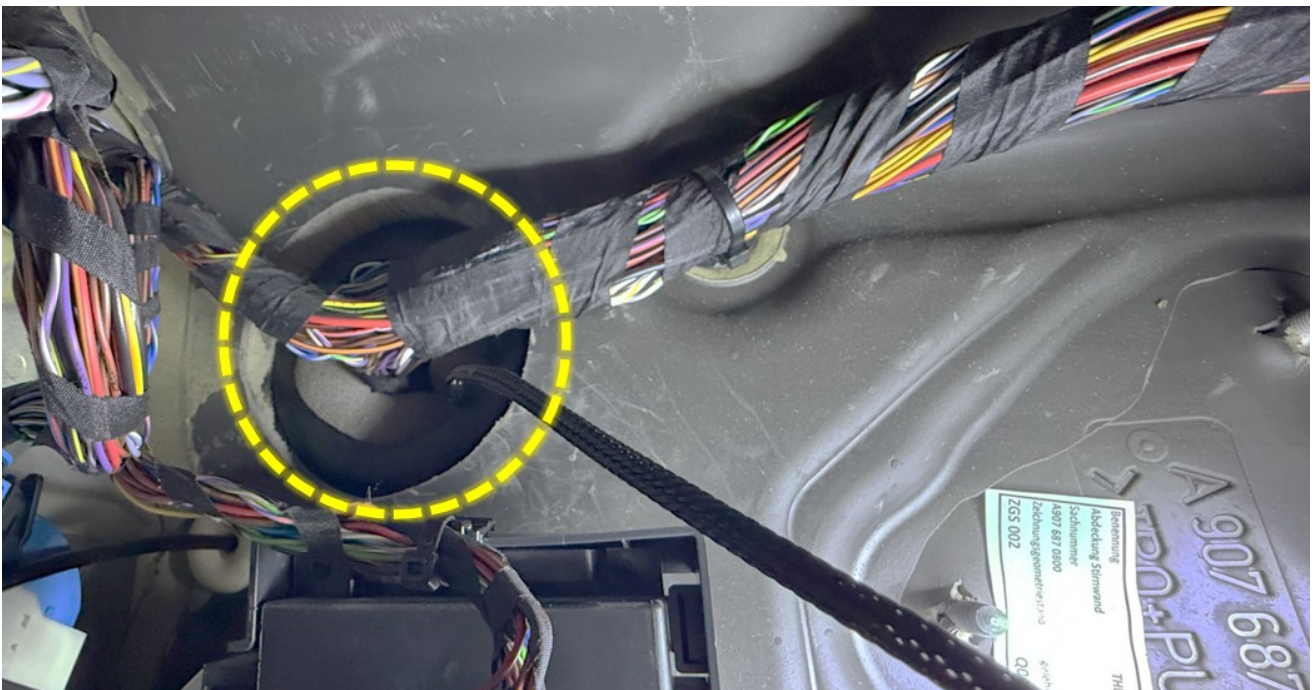
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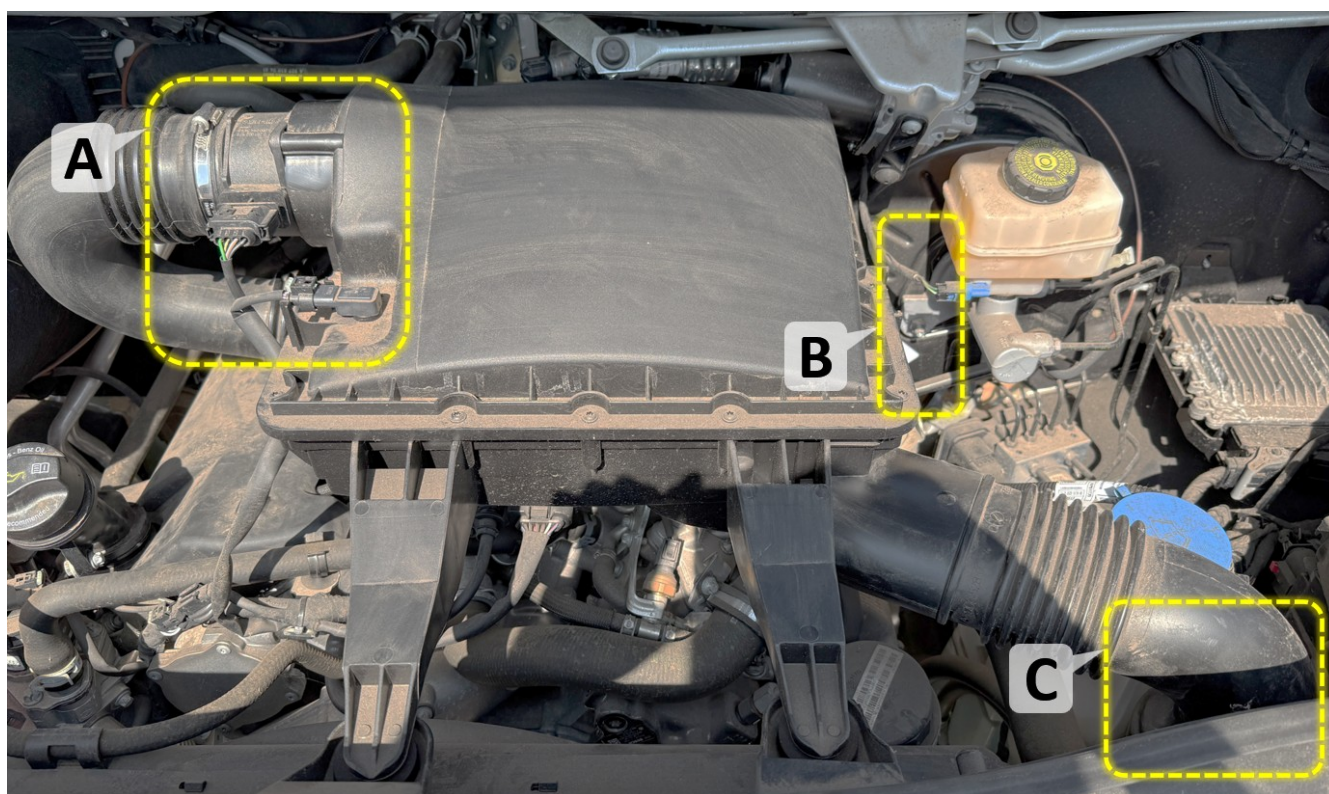
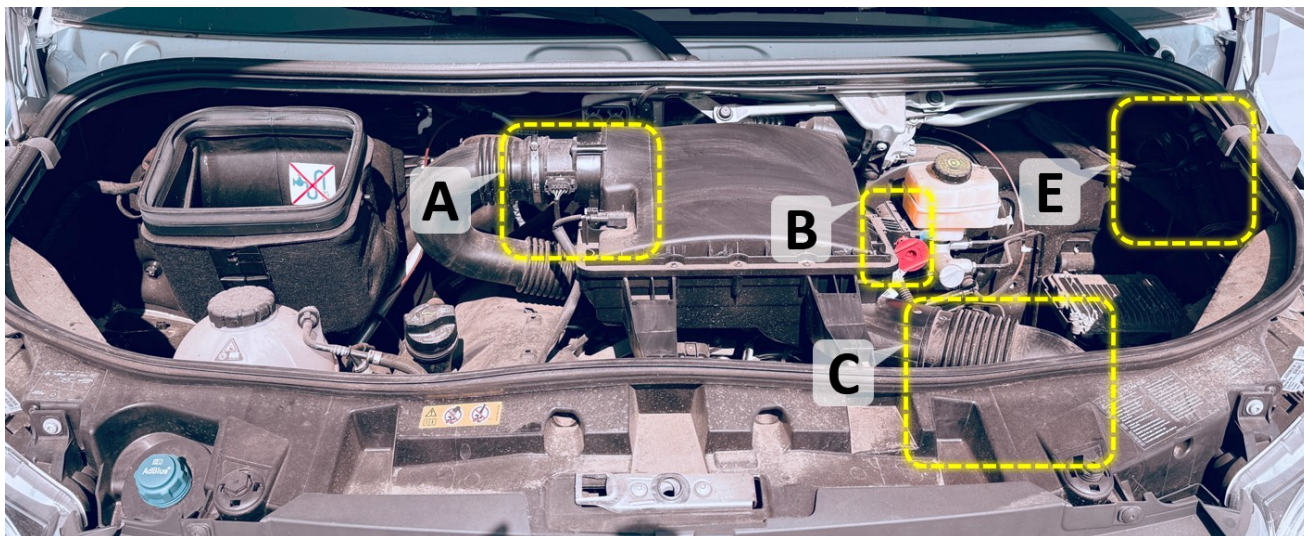
Locate the firewall grommet

The cable grommet for the camshaft sensor is located, as shown in the picture, at the upper left of the driver's footwell. Carefully route the corresponding connector through the grommet into the engine compartment.



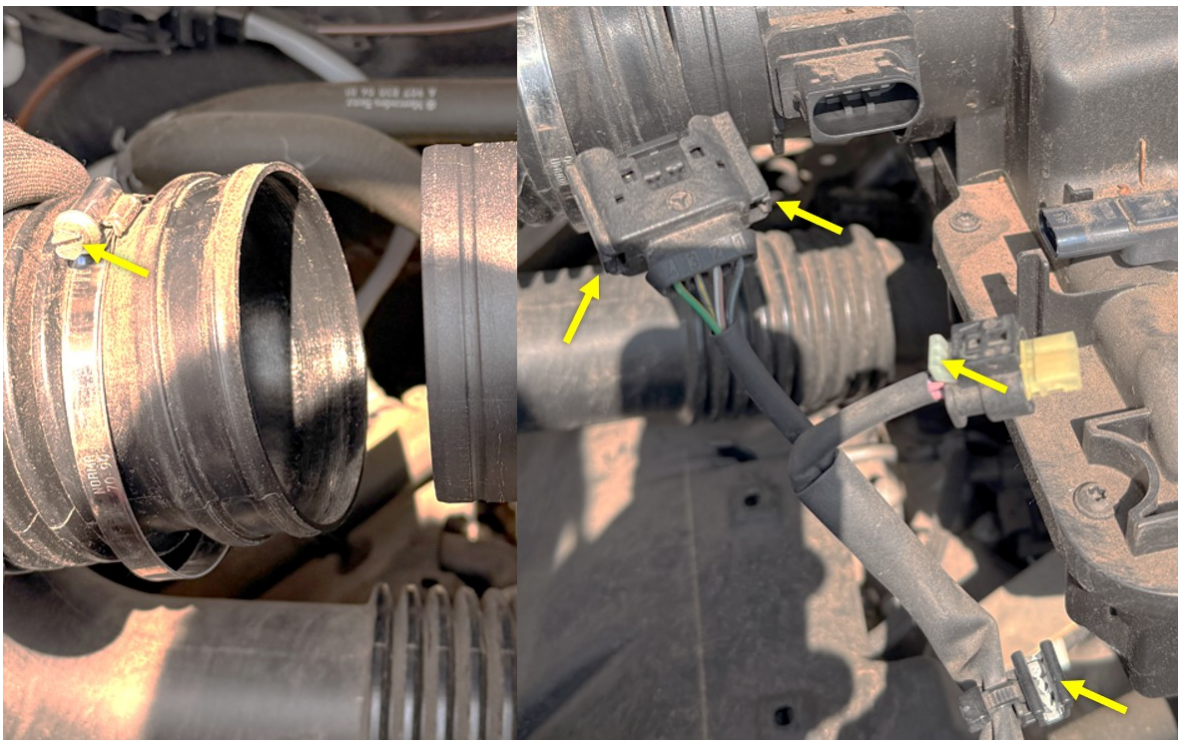
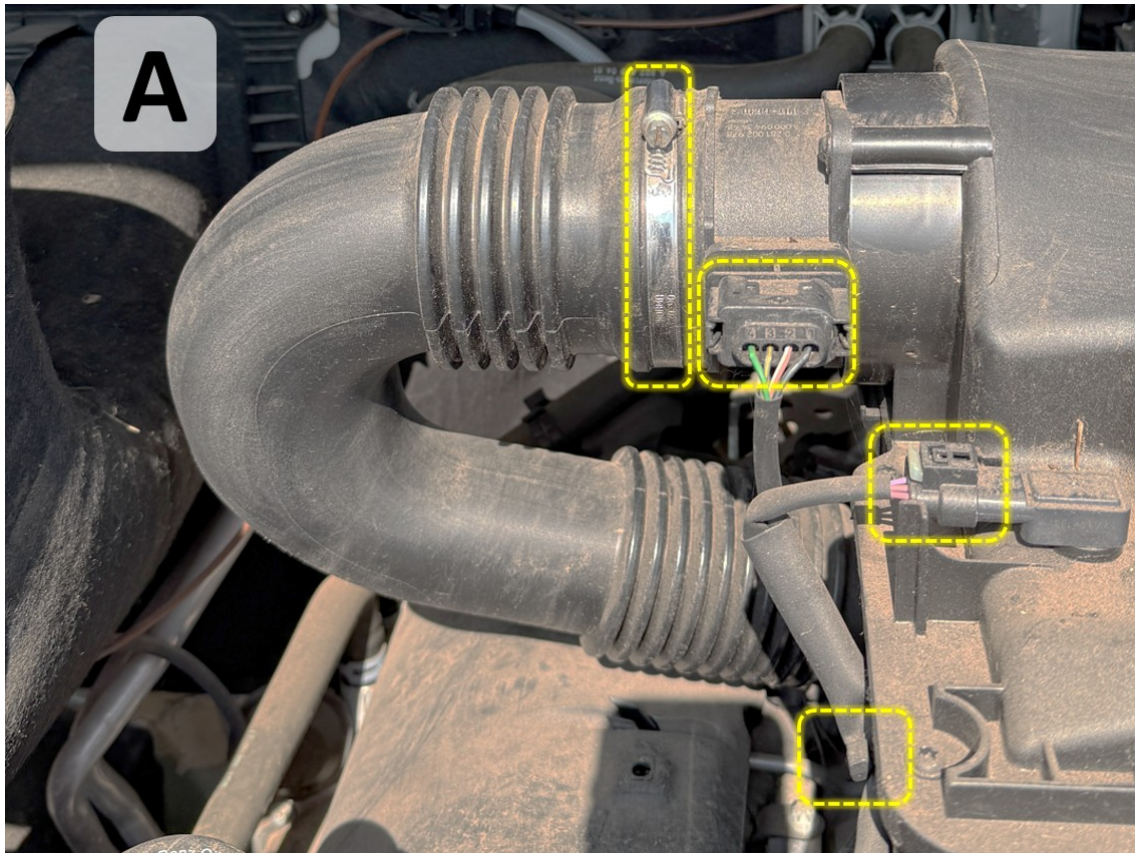
Prepare access to the camshaft sensor (engine compartment / air filter housing)

To access the camshaft sensor, the air filter housing must be removed. Remove the following components in the order specified:



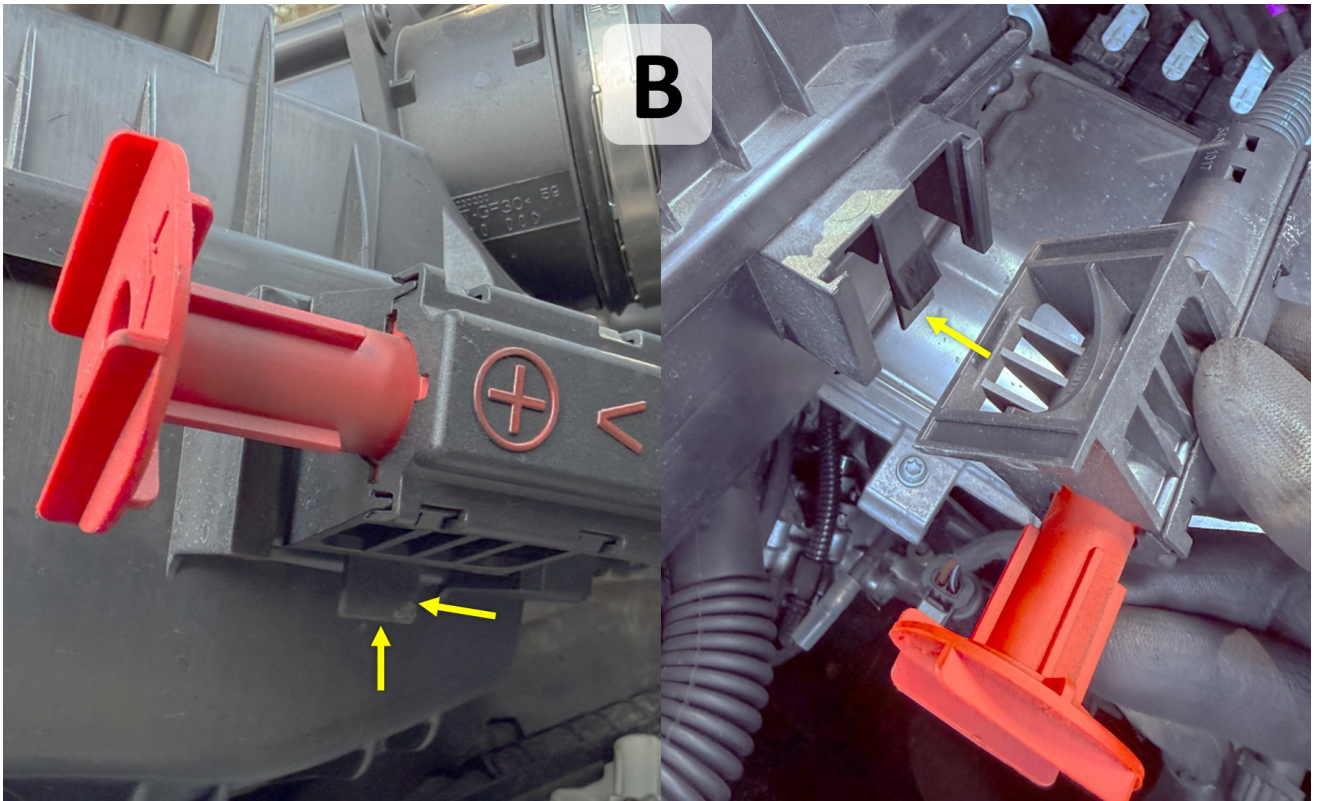
Air intake & mass air flow sensor

Loosen the hose clamp and disconnect the connector.



12-Volt Connection

Release the clip lock and pull straight out.

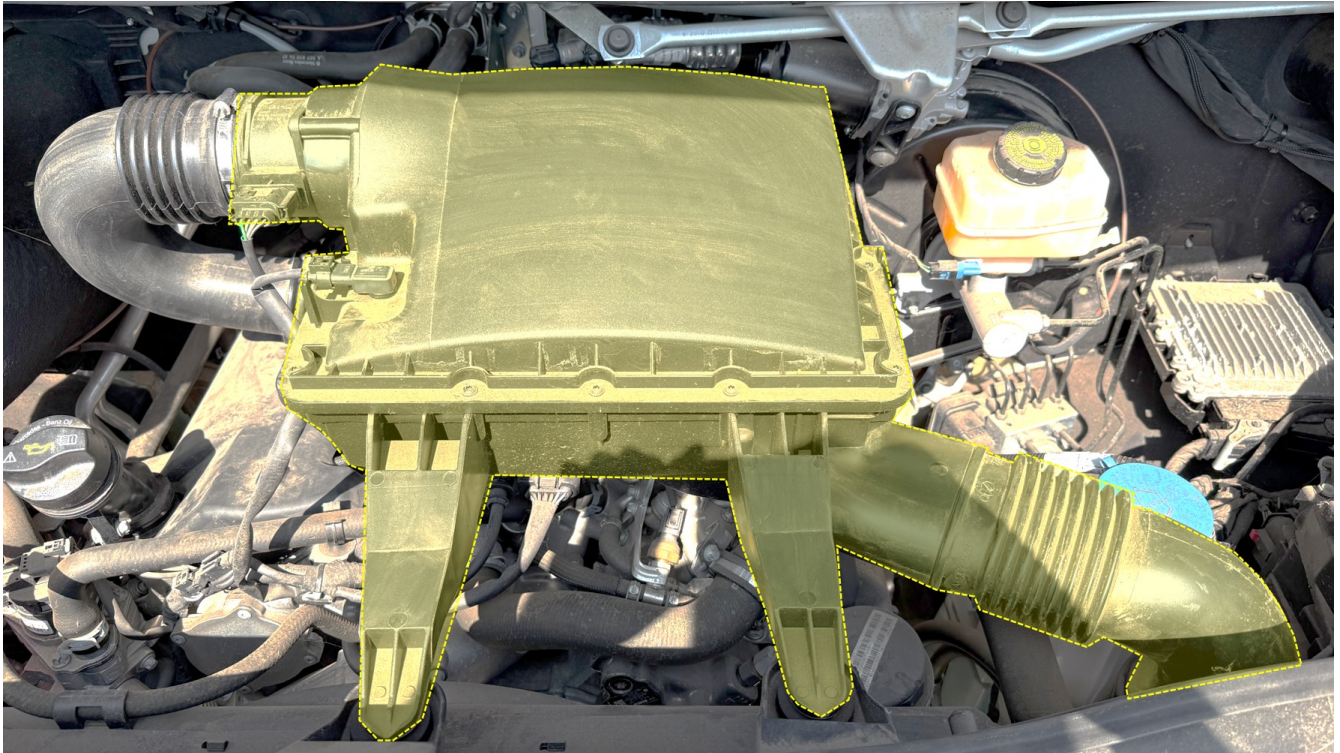


Loosen air nozzles



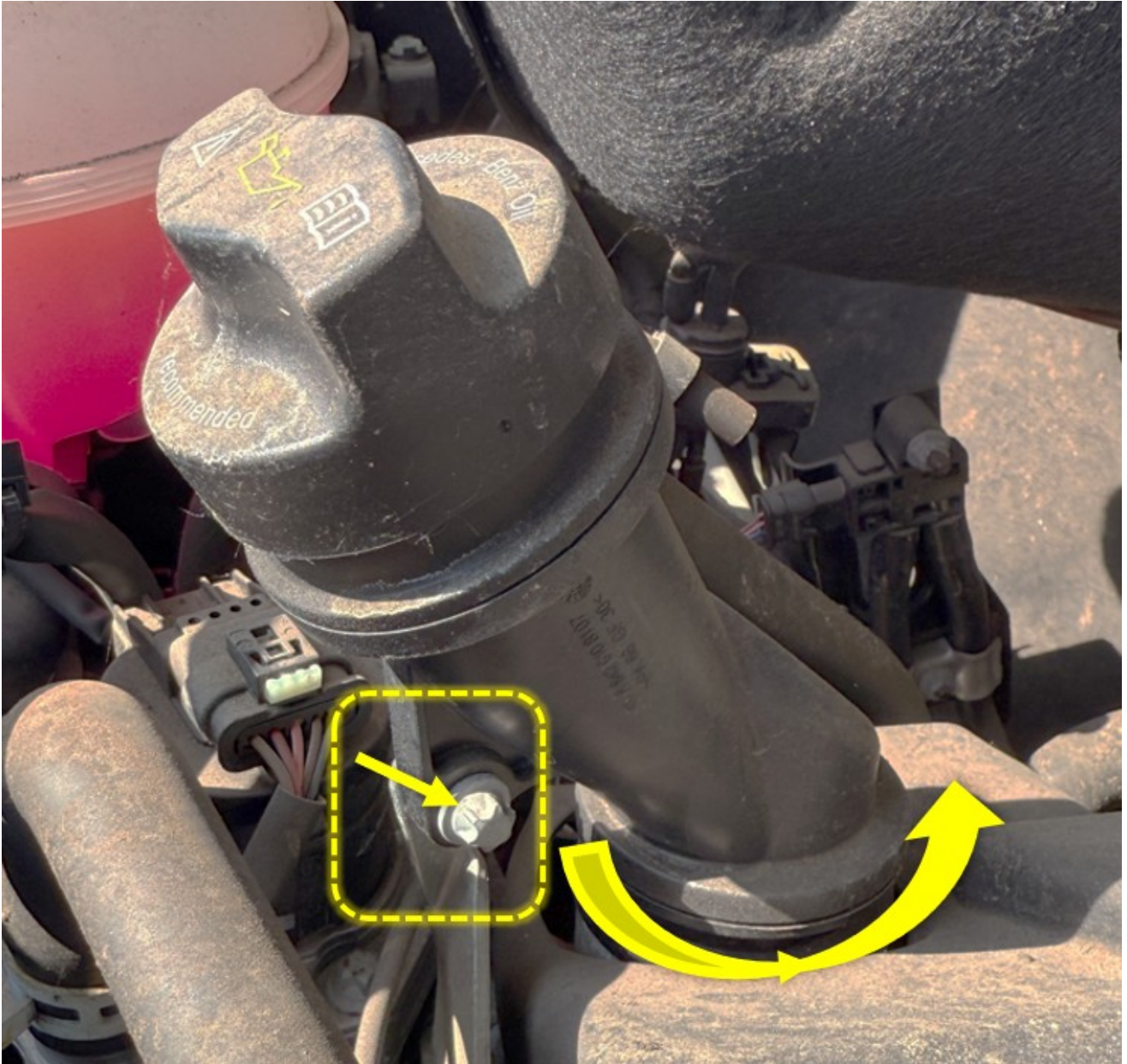
Remove the air filter box

Once these components have been removed, the air filter box can be carefully taken out.



Remove the oil filler neck

Loosen the screw indicated in the picture and unscrew the oil filler neck. For safety, cover the filler opening with a clean cotton cloth.



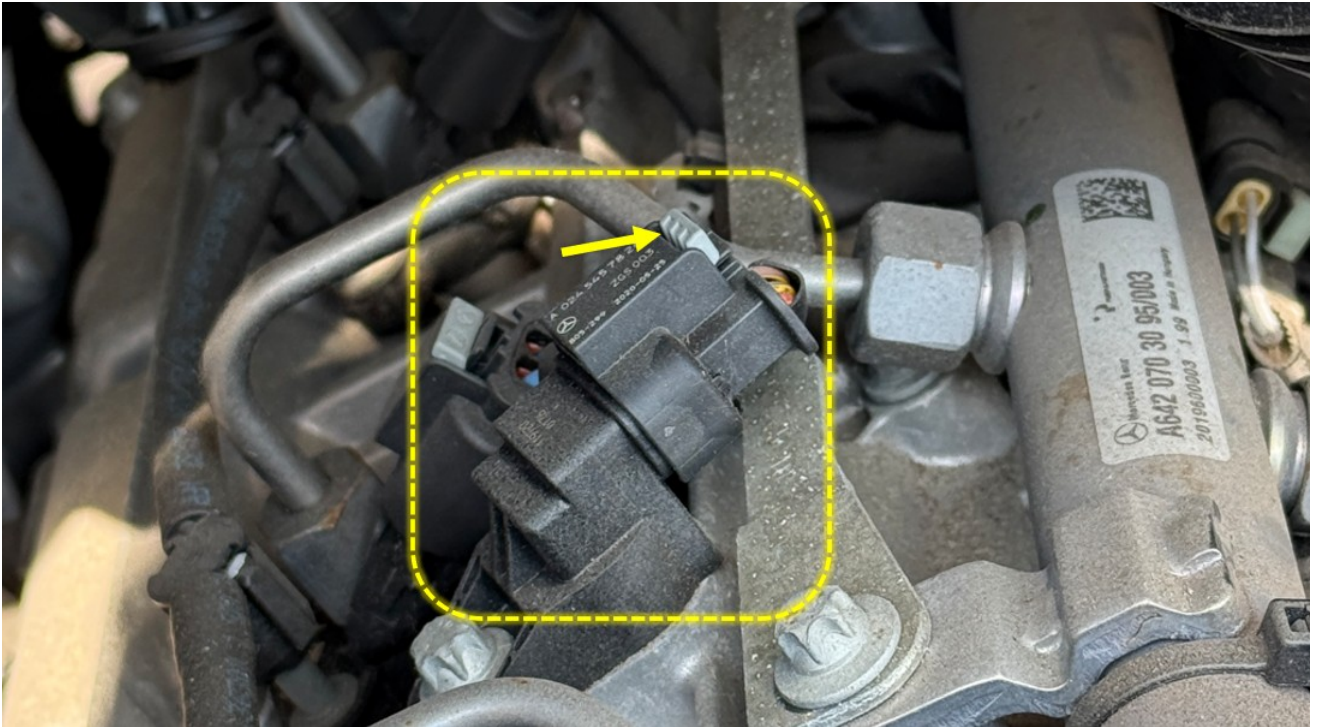
Locate the camshaft sensor

The camshaft sensor is located above the engine, beneath a plastic cover. Carefully lift the cover to gain access to the sensor.



Connect the camshaft sensor and route the cable

Release the locking mechanism on the camshaft sensor and disconnect the connector.

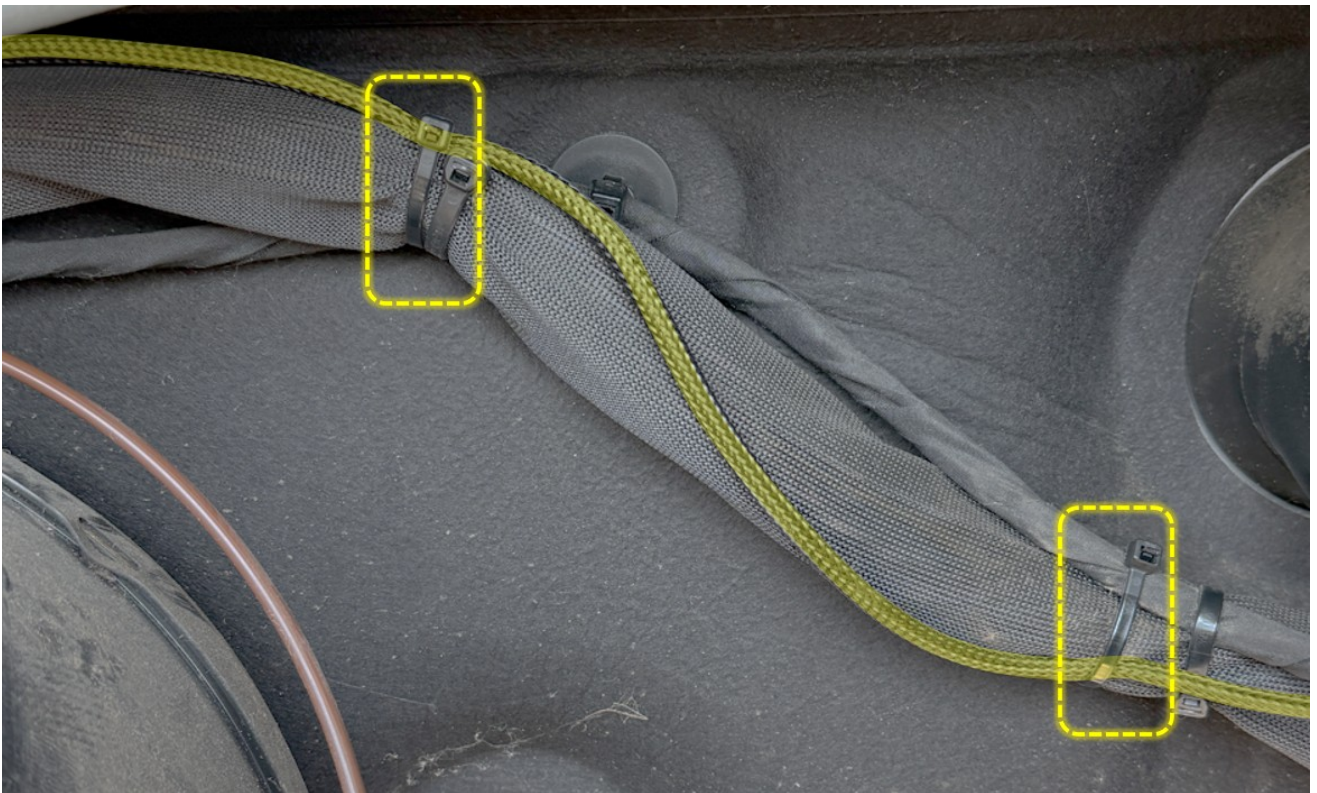
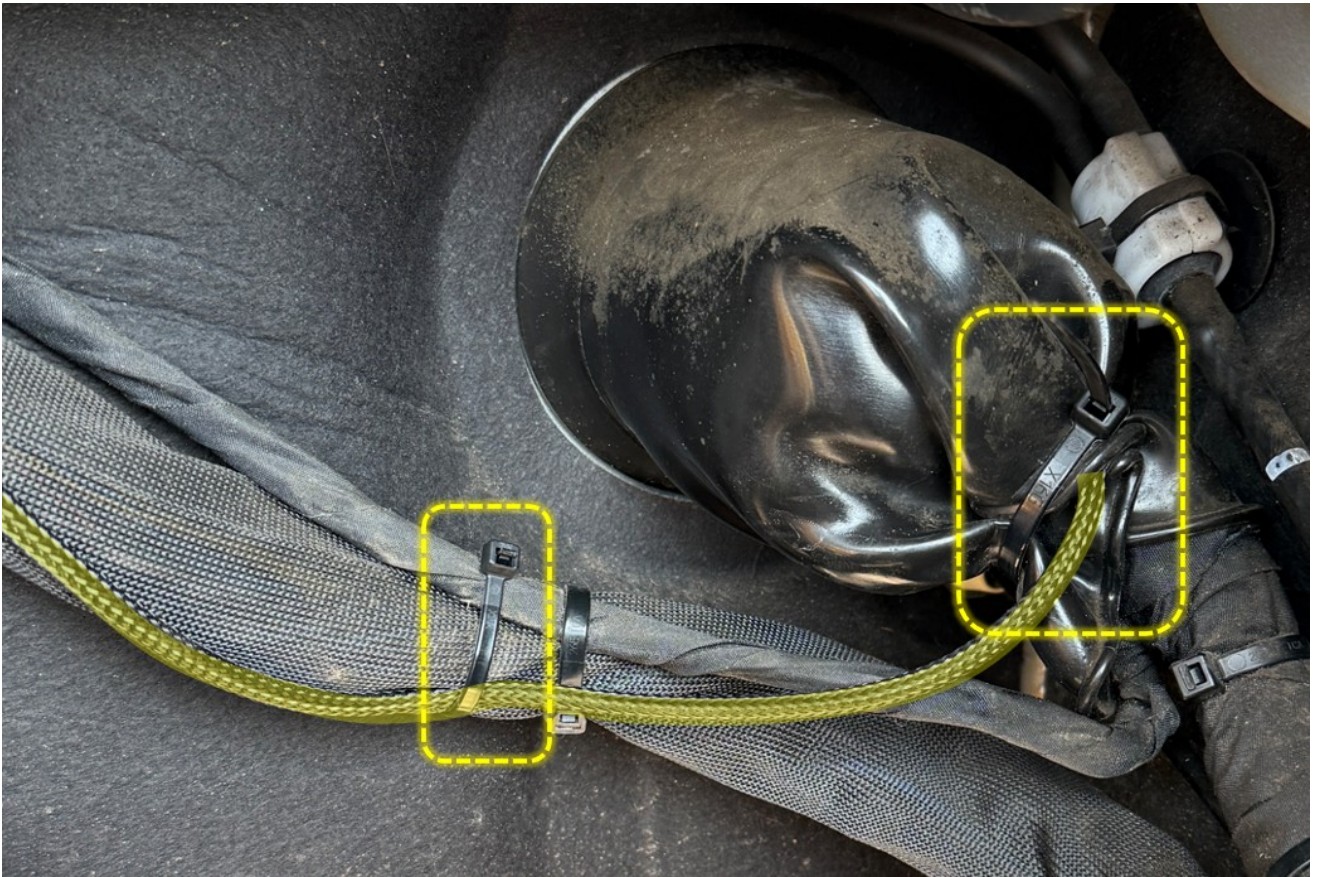




Route the camshaft sensor connector of the PEDAL CONTROL cable adapter from the bulkhead grommet along the bulkhead to the sensor.

Secure the cable with cable ties, ensuring it does not come into contact with hot or moving components. Connect both plugs until the locking mechanism engages securely. Refer to the following example images for guidance.



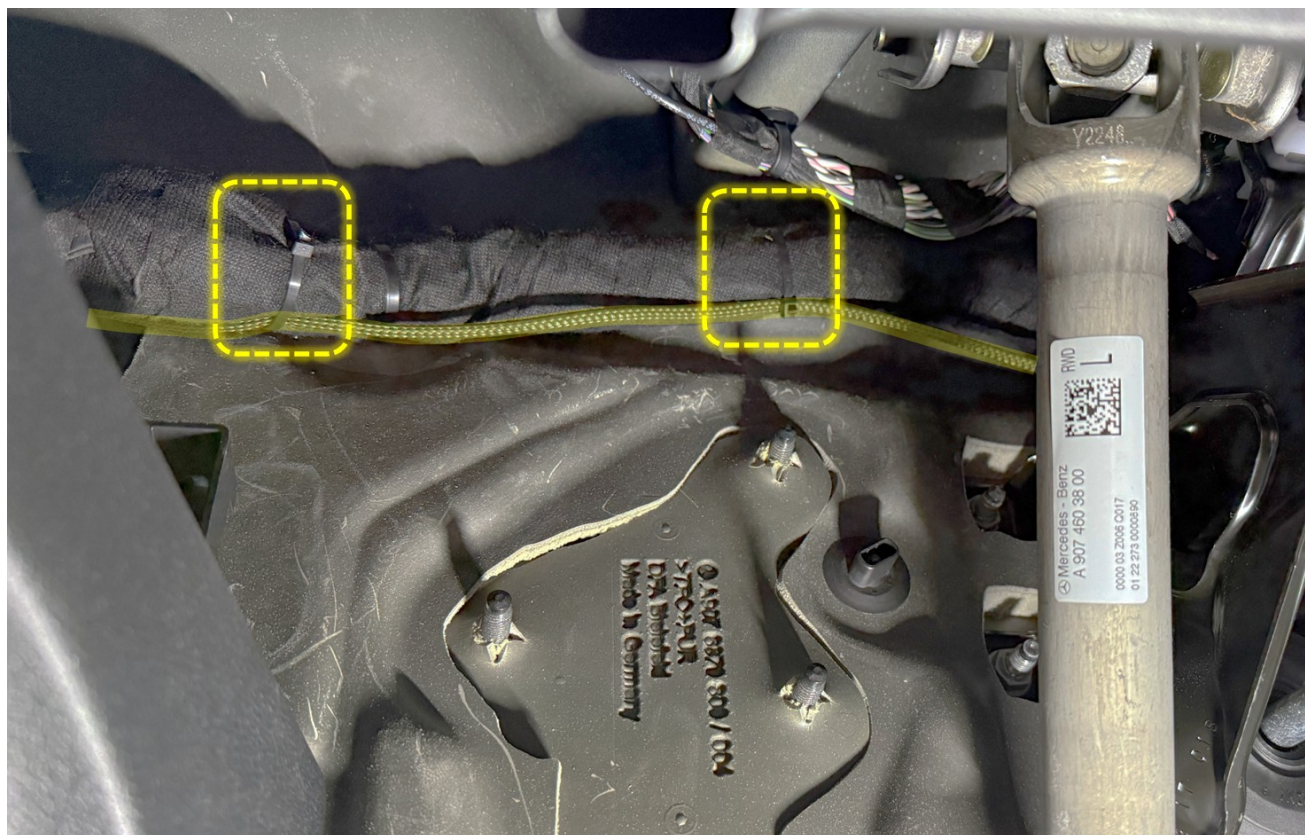




Securing the PEDAL CONTROL module and cable

Finally, securely fasten the PEDAL CONTROL module and the cable adapter inside the vehicle cabin. Use cable ties to ensure a firm and vibration-free installation. Make sure that neither the module nor the cable is mounted near moving parts such as the steering column or the pedals. Refer to the example photos for correct positioning.





Teaching the PEDAL CONTROL (Auto-Ranging Function)

First, make sure that the handbrake is engaged and the gear is in neutral or, for automatic transmissions in park position. Then switch on the ignition.



The PEDAL CONTROL automatically starts the Auto-Ranging mode during initial startup (ignition on/engine NOT running). In this mode, the system analyzes the signals from your accelerator pedal throughout its entire travel range and adjusts all driving modes in real time to match your vehicle's characteristics.



Procedure:

1. Ignition on / Engine NOT running.
2. Press the gas pedal slowly to the full-throttle position (including Kick-Down) and hold it for about 2 seconds.
3. Repeat this process twice.

The PEDAL CONTROL is now fully configured, and the installation is complete.

For detailed information on all other functions and settings of the PEDAL CONTROL, please refer to our general user manual: →

https://nothrottlelag.com/pedalbox/frequently-asked-questions/pedal_control_manual/

Contact

The PEDAL CONTROL support team is available during office hours.



Quick help or answers to your questions via phone:

+1 (714) 698-1373



Email-Support via sales@shorelinemotoring.com

For a fast and efficient support experience please add following information on first contact:

- Name, email, telephone number
- Sales invoice (PDF/picture)
- Vehicle make, type, engine and year
- PEDAL CONTROL, remote and wiring loom bar codes
- Accelerator pedal pictures and installation pictures
- Problem description

Legal notice

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