

Power Control Module (PCM)

RS6-C8 4.0TFSI (EA835)

DJPB / DYGA Engines

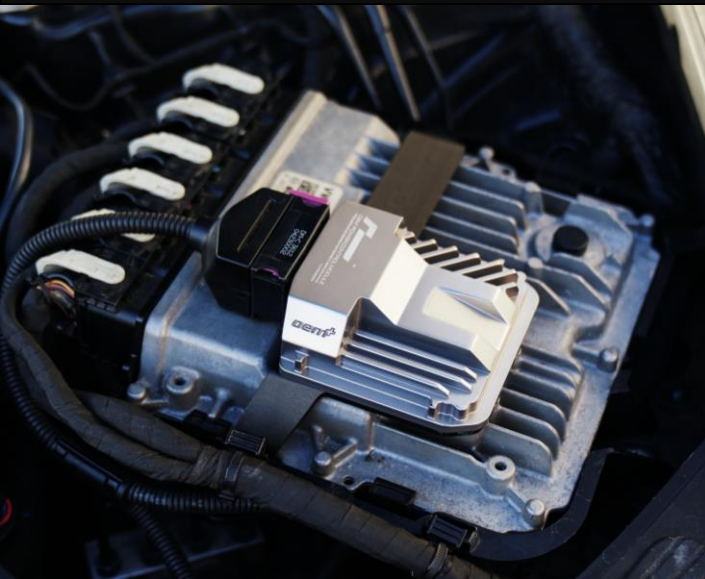
VWR030000-C8RS6

FITTING INSTRUCTIONS



WHAT'S IN THE KIT?

- ▷ 1 x Power Control Module (PCM)
- ▷ 1 x Mounting Bracket
- ▷ 1 x PCM Wiring Harness
- ▷ 1 x PCM Deactivation Plug



FITTING NOTES

- ▷ This is a complex install, and any mistakes can lead to vehicle warning lights & incorrect engine operation.
- ▷ Therefore, we highly recommend professional fitment of this PCM product.
- ▷ Prior to install, if the engine has been in operation, please wait until the engine cools down before performing installation to avoid potential flesh burns.
- ▷ Ensure all wiring harness connections have a solid CLICK, to confirm a positive connection.
- ▷ RacingLine Performance will not be liable for any damage caused by mis-installation.



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Vehicle preparation:

1. Unlock and open bonnet (Hood). Once the bonnet is open wait for 15 minutes until vehicle all electrical components have discharged.

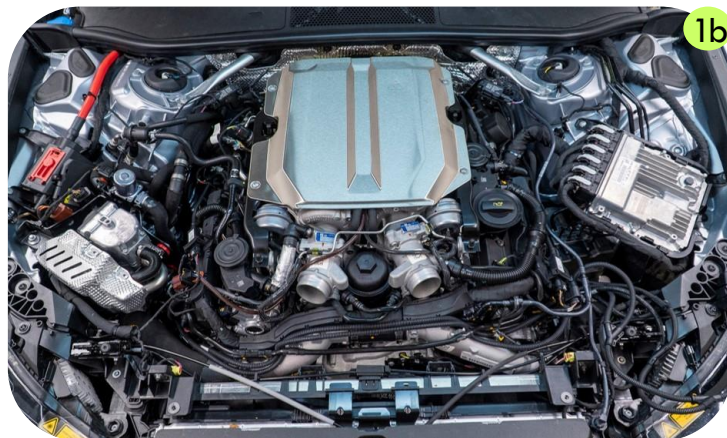
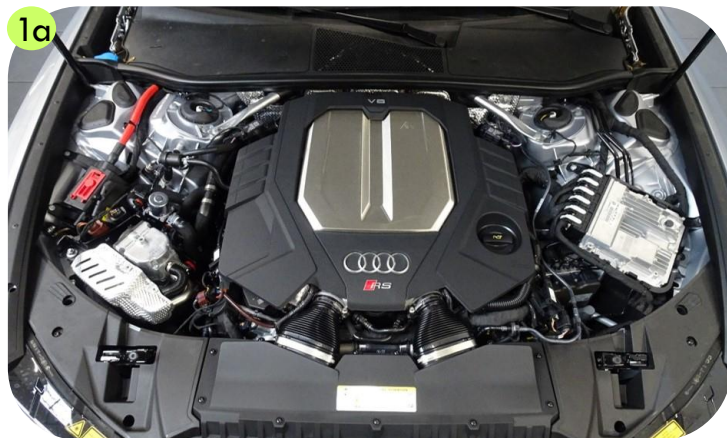
Vehicle Installation Notes:

1. Vehicles with 'Keyless Entry' place the key away from the vehicle, about 10-15m.
2. For vehicles with aftermarket alarms installed, the alarm must be disabled prior to starting any part of the PCM installation.

Step 1:

Removal of engine :

To allow easy access to the 5 wiring harness connection points, we suggest the engine bay is striped down to a level that is shown in *Figure 1b*. Please ensure the airbox, inlet hoses, left-hand and right-hand plastic trim is removed and place aside. To allow the easiest access to all loom connection points.



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Step 2:

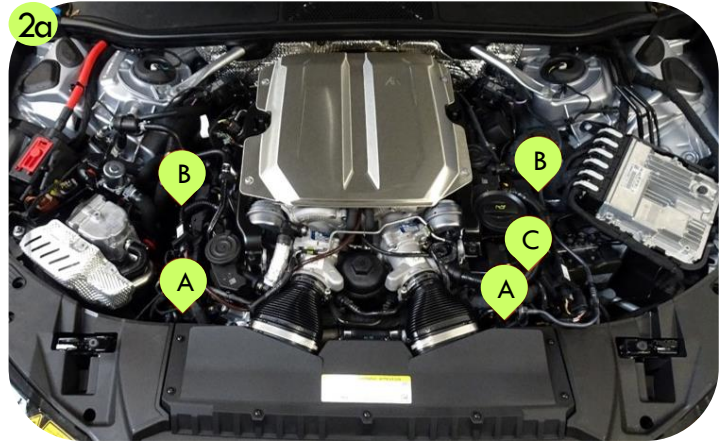
Once engine cover and undertray is removed all 5 wiring harness plug in points can be observed, please see below images for reference:

2 x Turbo Boost Pressure Sensor = A / 2 x Manifold Absolute Pressure Sensor = B / Camshaft Position Sensor = C

Step 3:

Wiring Harness Installation: Lay wiring harness over engine bay and route the labelled harness sections to their respective connection points, using Step 2's images for reference.

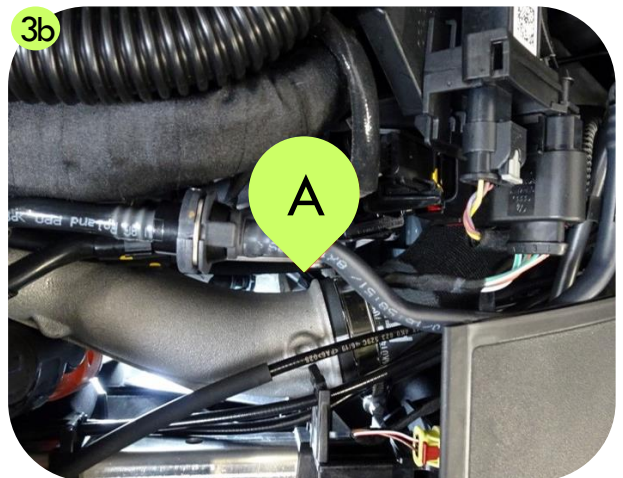
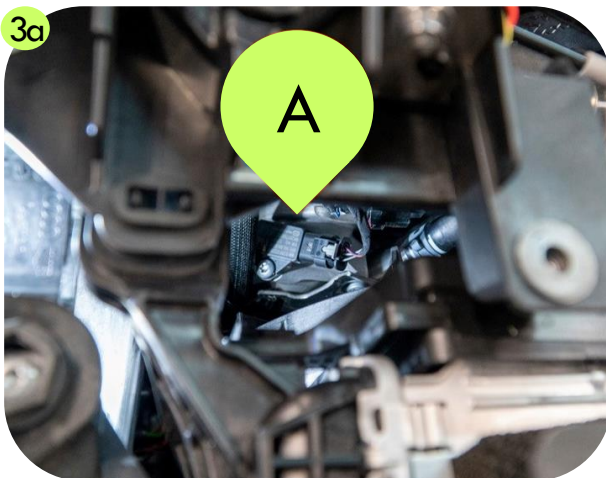
For each section of PCM wiring harness ensure an audible click is present when each fitting is connected with the OEM wiring loom. To ensure the PCM harness is routed securely, please use the provide zips ties where needed.

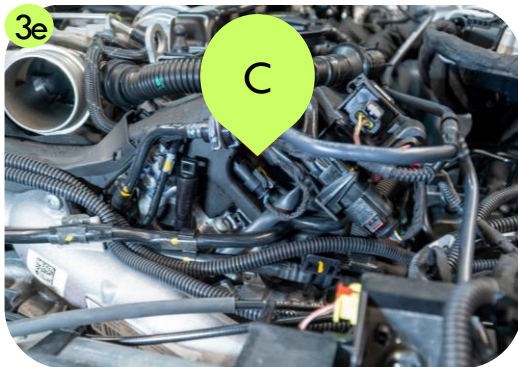
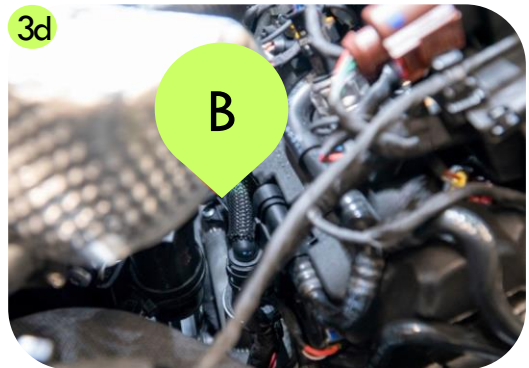
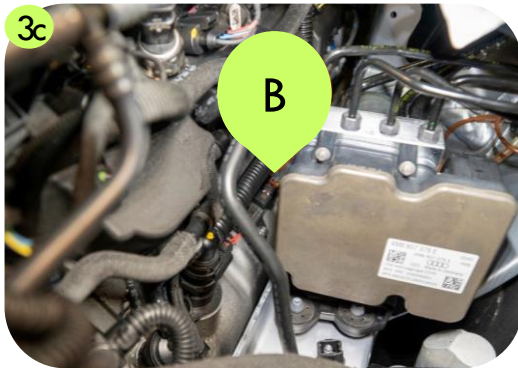


Harness Section A – Turbo Boost Pressure Sensor (Right-Left) – Route section A down towards the front of the engine on both the left and right hand of the engine. Disconnect the turbo boost pressure sensor connector and wire in series both the PCM wiring harness section labelled A. See figure 3a & 3b for assistance.

Harness Section B – Intake Pressure Sensor (Right-Left) – Route section B down each side of the engine towards the middle of the engine bay on both the left and right hand of the engine. Disconnect the intake pressure sensor connector and wire in series both the PCM wiring harness section labelled B. See figure 3c & 3d for assistance.

Harness Section C – Camshaft Position Sensor – Route section C towards the front right-hand side of the engine bay. Disconnect the camshaft position sensor connector and wire in series the PCM wiring harness section labelled C. See figure 3e for assistance.



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Step 4:
Installation of PCM:

- The PCM is pre-assembled and simply needs to be installed by clipping the 3D printed mount around the OEM ECU, to do this first release the OEM ECU from it's housing with the two retaining clips, once released, place the RacingLine mount around the ECU and reinstall the OEM ECU. Shown in figure 3f above.
- Finally connect PCM wiring harness to the PCM, this is completed by offering the connector to the PCM with the purple retaining clip pulled out. With the PCM and wiring harness connection contacting one another, push the clip inwards and this will result in the harness connector pulling itself onto the PCM connection.

Step 5:
Re-Installation of engine cover, air intake & undertray:

Now the PCM wiring harness is fully installed. The final step is to re-install the engine cover which is the reverse of Step 2.

Function test:

- Switch ignition on, **DO NOT** start the engine.
- Once ignition is on, ensure check engine light and EPC light appear and go out as normal. If this happens you may now start the engine, the vehicle should start as normal and will react to the throttle while idling as prior to installation.
- Switch off engine and Ignition.
- Your RacingLine Power Control Module is now fully installed and ready to be enjoyed.