



POWER CONTROL UNIT



VW GTI 2022+

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APR PCU Mobile App

Download Instructions

This product requires a Mobile App to function correctly.

Scan this QR code or visit the link below to find download options for your smartphone. You can also find other useful information and instructions about the PCU on our website.



<https://www.goapr.com/qr/pcu>

Read Me

Safety Warning & Caution

Throughout this User Manual you will see important messages regarding your safety or the protection of your vehicle. These messages are designated by the words WARNING, CAUTION, or NOTICE.

WARNING

A *WARNING* indicates a hazardous situation which, if not avoided, will result in death or serious injury.

CAUTION

A *CAUTION* indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

A *NOTICE* indicates a condition that could cause damage to the product or your vehicle.

NOTE

A *NOTE* is a step or reminder that is important to remember when installing or using the product.

The product you have purchased is a high-performance product. As such, it does present some risks of which you should be fully aware. Do not use this product until you have carefully read the following safety information and the Owner Agreement.

 WARNING: *Prior to use, read the User Manual. Misuse of the device could result in traffic accidents, death or serious injury, and/or damage to your vehicle. HOLLEY IS NOT RESPONSIBLE FOR AND SHALL HAVE NO LIABILITY TO YOU FOR ANY CLAIMS ARISING OUT OF OR RELATING TO ANY MISAPPLICATION OF THE DEVICE, CUSTOM TUNES, IMPROPER USE OF CALIBRATIONS, MALFUNCTION OR LACK OF LEGAL COMPLIANCE FOR CUSTOM PROGRAMS CREATED BY THIRD PARTIES.*

Safety Guidelines



Before using device, read and understand the user manual, including these additional safety instructions. Failure to do so could result in DEATH or SERIOUS INJURY.

- Do not exceed legal speed limits on public roadways. Violating traffic laws is dangerous and could result in injury or vehicle damage or both.
- Use any enhanced speed capabilities of this product only in closed circuit, legally sanctioned racing environments expressly for this purpose. Violating traffic laws is dangerous and could result in injury or vehicle damage or both.
- Do not operate the device while driving. Distracted driving could result in traffic accidents, death or serious injury, and/or damage to your vehicle.
- Always perform all adjustments or changes while stopped. Changing a setting while driving can interfere with your attention to roadway conditions and could result in injury or vehicle damage or both.
- Do not stack products. “Stacking” performance-enhancing devices or other improper installation can cause power train failure on the road. Other products may have features incompatible with your device. Follow all installation and operating instructions.
- Some modifications may affect other parts of your vehicle. For example, if you remove/adjust the speed limiter in your vehicle, be sure your tires and other components are rated for the increased speeds they will have to withstand. Not doing so can lead to loss of vehicle control. Modify the speed limiter only for use in closed circuit, legally sanctioned racing environments, not for use on public roadways.

NOTE: The stickers included in some products apply to products that have recieved CARB exemption for emissions compliance.

This product may meet the emissions compliance requirements of the California Air Resources Board and Federal Environment Protection Agency. If so, it is legal for sale and use on pollution-controlled vehicles operated on public streets and highways. The device must be installed and operated according to the instruction provided in this user manual. Included with these compliant products is a sticker for you to keep in your vehicle. You can either adhere it somewhere on the vehicle (e.g., the inside end of driver’s door) or simply store it in your glove box. The purpose of these stickers is to inform anyone who may have questions regarding the use of this product and how it affects emissions. For example, it would be something to show an emissions technician if questioned when taking your vehicle in for an emissions check to let him/her know the product is CARB emissions compliant.

FCC & Industry Canada Compliance

MODEL: Parallax FCC ID: 2AA9B05 IC: 12208A-05

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Industry Canada

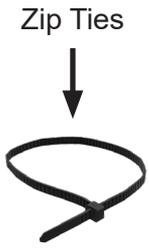
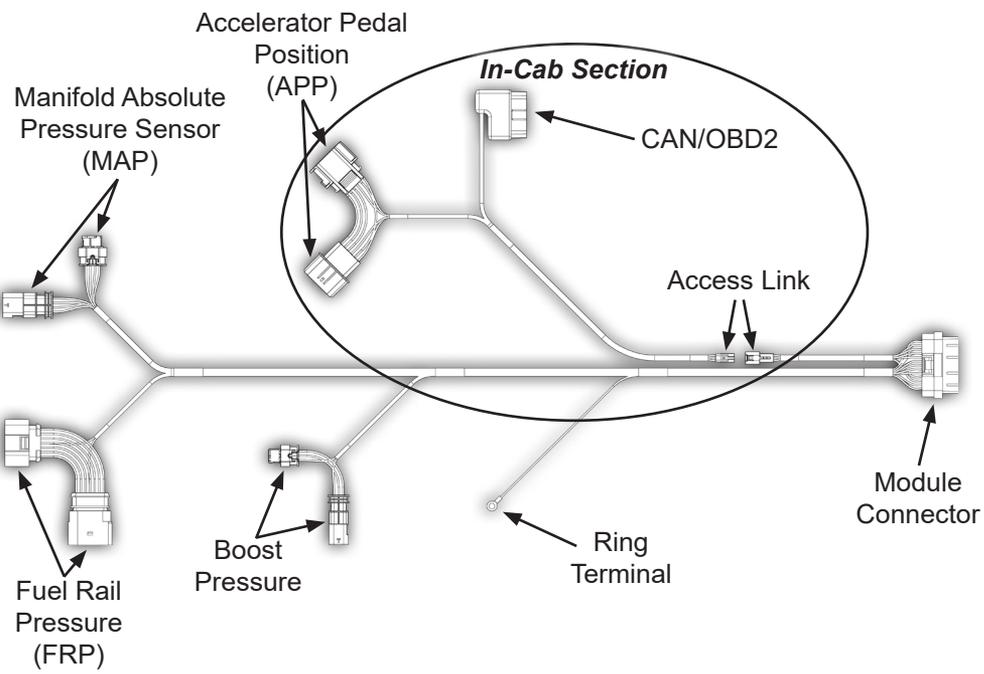
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnememnt.

Installation of PCU for 2022+ VW GTI

Materials

PCU Harness

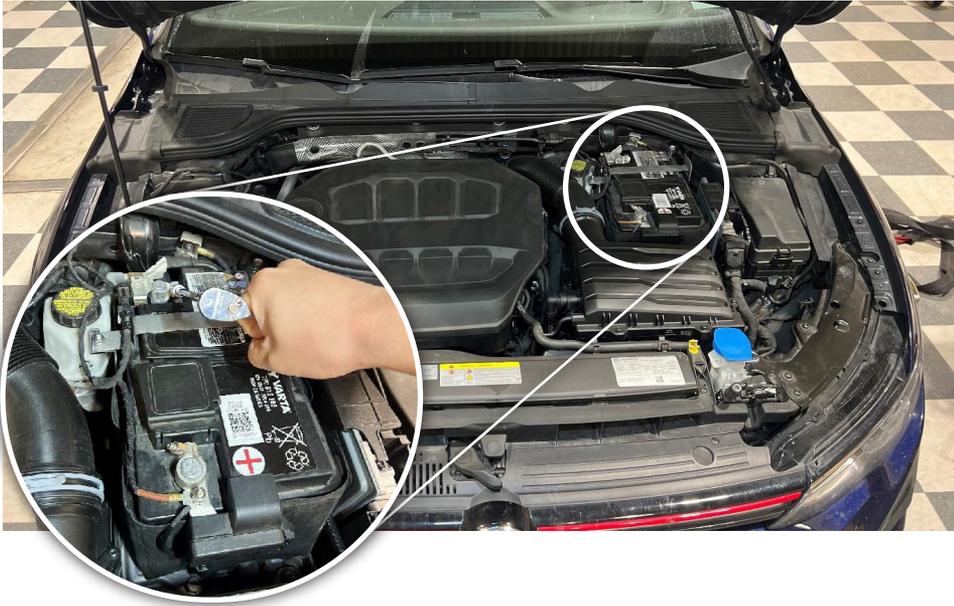


Required Tools

- 10mm, 13mm Sockets and Wrench
- T-25 Torx
- Precision Knife
- Pick Tool

PCU Installation

STEP 1 - Disconnect negative terminal on the battery, this is to prevent getting trouble codes from disconnecting sensors. Then remove the engine cover and set aside.

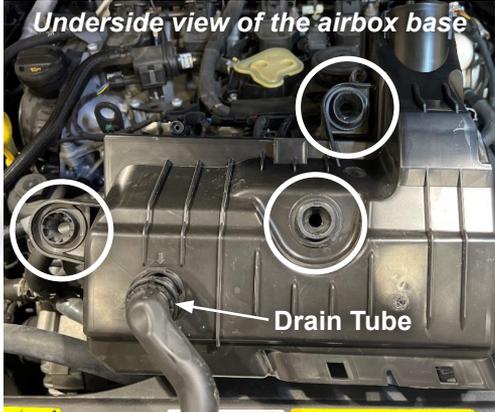


STEP 2 - Remove the eight T-25 Torx screws and hose clamp from the airbox lid. Then disconnect the vacuum line and secondary air tube from the airbox lid. The secondary air tube can be removed by pressing in both sides of the connector then pulling off the airbox.

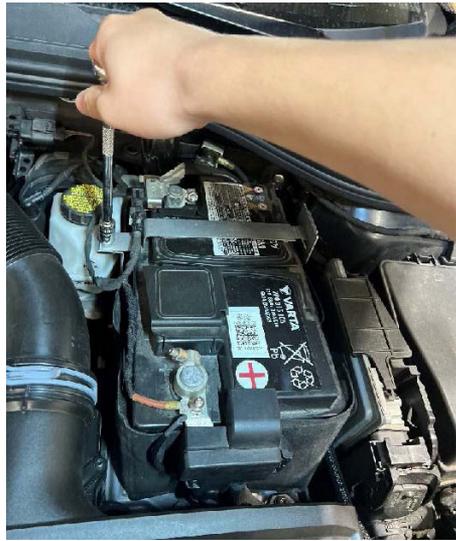


PCU Installation Cont'd

STEP 3 - With the lid removed pull up on the airbox base to remove it, there are three grommets that hold it in place. Be sure that the drain tube stays with the base when removing the airbox.



STEP 4 - Remove the 10mm nut holding the top battery bracket and the 13mm bolt holding the bottom battery bracket. Then remove both brackets and the positive battery terminal. Once everything is disconnected/removed, slide the battery forward then lift up to remove the battery.



PCU Installation Cont'd

STEP 5 - Moving to the interior, unscrew the two carpet clips and pull the carpet back enough to tuck the interior harness behind it. The Accelerator Pedal Position (APP) connector side of the harness should face the throttle pedal.



STEP 6 - Locate the APP connector on the throttle pedal. Then, pull up on the red locking tab and squeeze/press it to disconnect the connector. Plug the PCU harness inline of the throttle pedal and throttle pedal harness.



PCU Installation Cont'd

NOTE: Step 7 is split into 2 different sections based on whether your vehicle comes equipped with a manual transmission or DSG. Please follow the applicable instructions for your vehicle.

Manual Transmission

STEP 7 - Pull the foam insulation above the clutch pedal down to reveal the bulkhead grommet on the firewall. Locate the small opening below the bulkhead harness and carefully cut an opening in it with a precision knife so the Access Link connector can be passed through the firewall.



⚠ CAUTION: Please be careful when cutting an opening in the grommet, as the vehicle's electrical harnesses are only a few inches away from the grommet location.

PCU Installation Cont'd

Automatic Transmission (DSG)

STEP 7 - Lift the foam insulation and carefully cut an opening in the rubber grommet behind it so the Access Link connector can be passed through the firewall.



⚠ CAUTION: Please be careful when cutting an opening in the grommet, as the vehicle's electrical harnesses are only a few inches away from the grommet location.

PCU Installation Cont'd

Both

STEP 8 - Connect the OBDII plug from the PCU harness into the vehicle to wrap up the interior portion of the install.

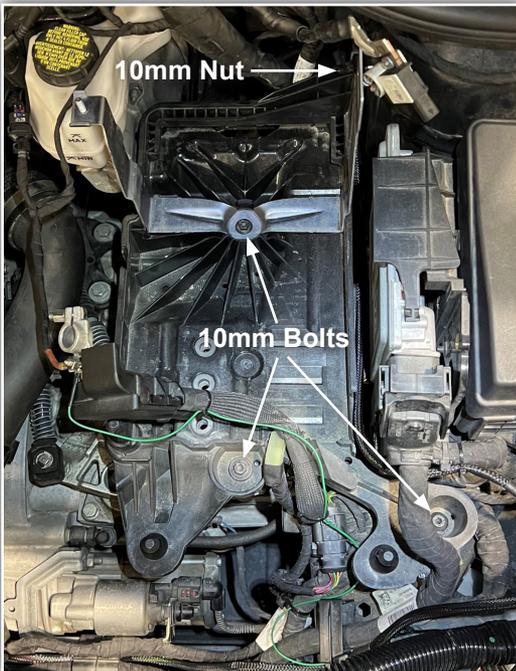


STEP 9 - Locate the Access Link connector under the engine bay and route the harness so it lays between the battery tray and DME.



PCU Installation Cont'd

NOTE: When routing the Access Link connector through the firewall, it may be easier to remove the battery tray in order to gain better access. Remove three 10mm bolts holding down the base and one 10mm nut on the back of the tray, then disconnect the clips holding the battery cable to the tray. Be sure not to pinch the PCU harness when reinstalling the battery tray.



PCU Installation Cont'd

STEP 10 - Locate the lower engine harness connector below the intake manifold on the drivers side of the engine. It will be the larger of the two.

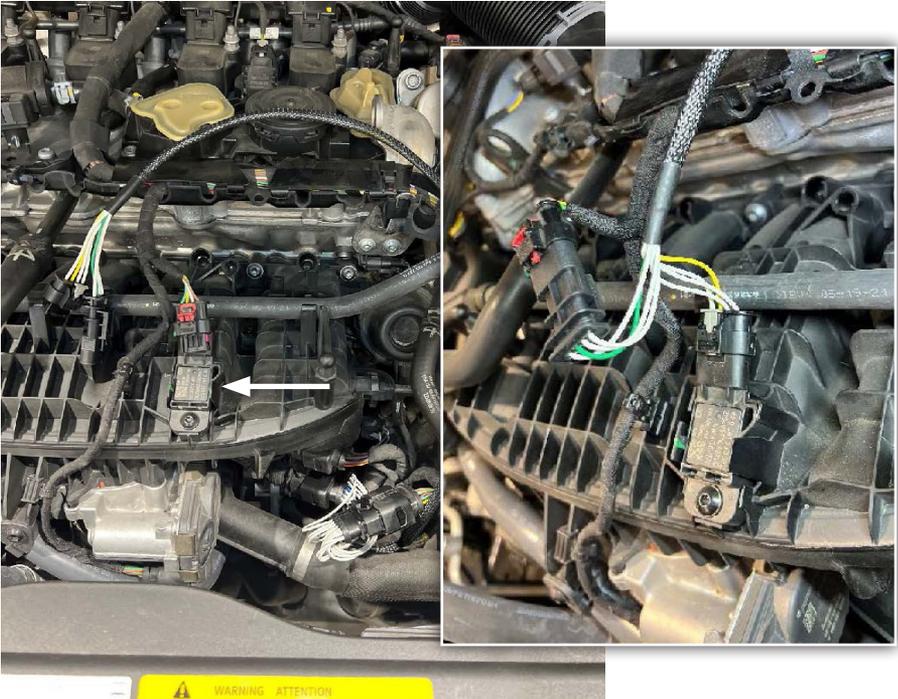


STEP 11 - Using a pick tool, pull the red lock tab out and squeeze the release tab to disconnect the connector. Then plug the PCU harness inline of the engine harness.

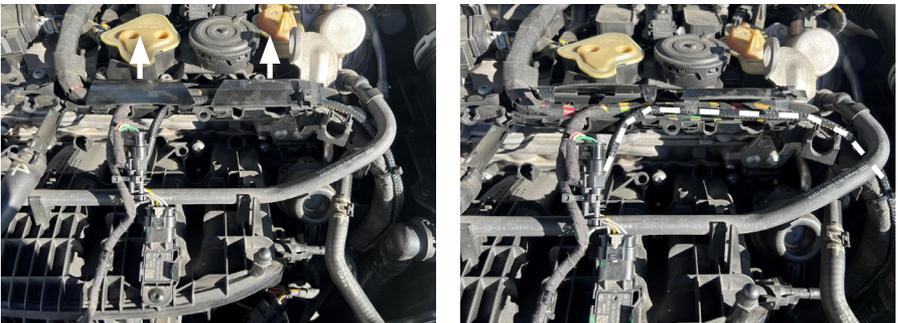


PCU Installation Cont'd

STEP 12 - Locate the Manifold Absolute Pressure (MAP) sensor on top of the intake manifold. Route the PCU MAP sensor harness so that it follows the factory engine harness. Pull the red lock tab out and squeeze the release tab to disconnect the sensor. Then plug the PCU harness inline of the MAP sensor and MAP sensor harness.

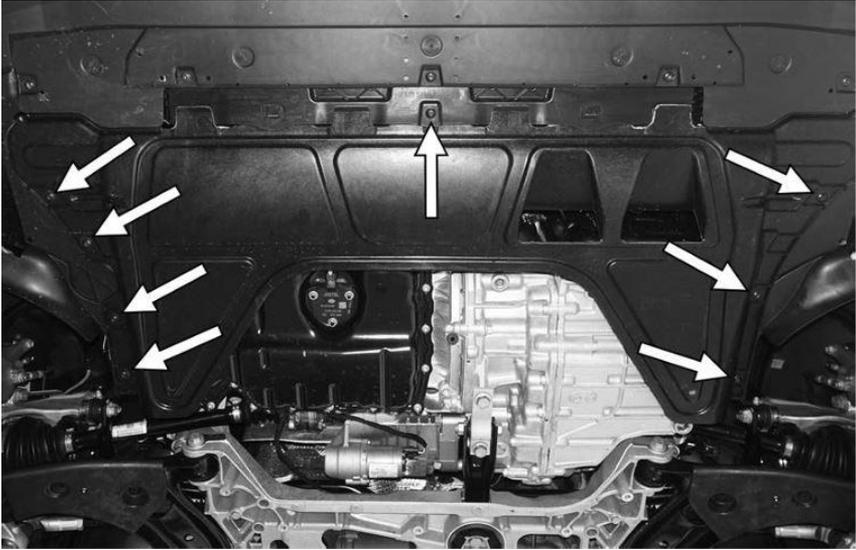


NOTE: We recommend running the MAP sensor harness through the vehicle's engine harness cover.



PCU Installation Cont'd

STEP 13 - Remove the eight T-25 Torx screws holding the center belly pan to the bottom of the car, then remove the belly pan.



STEP 14 - Route the Boost Pressure harness down between the transmission and engine harness from the engine bay.



PCU Installation Cont'd

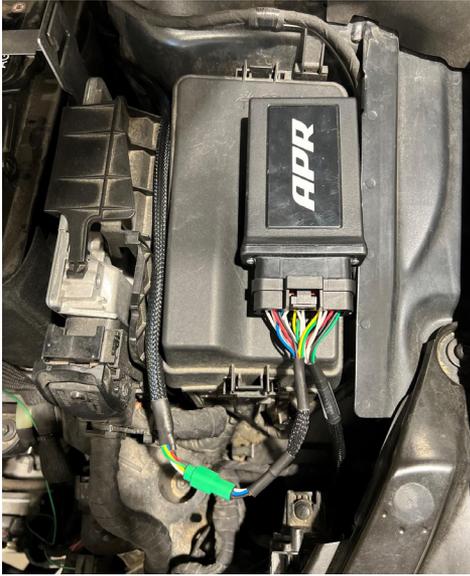
STEP 15 - Route the Boost Pressure sensor harness along the vehicle's lower engine harness then over the chargepipe. Pull the gray lock tab out from the Boost sensor and squeeze the release tab to disconnect the sensor. Then plug the PCU harness inline of the Boost sensor and Boost sensor harness.



STEP 16 - Remove the 10mm nut from the positive battery terminal and install the 12V power wire from the PCU harness onto the battery terminal before replacing the 10mm nut.



PCU Installation Cont'd



STEP 17 - Connect the PCU module to the PCU harness and mount it on top of the fuse box with the supplied Velcro pads.

STEP 18 - Secure the PCU harness away from any moving components or heat sources. Then replace the belly pan, battery, intake, vacuum lines, engine cover and anything else that may have been removed during the install.

Disconnecting Access Link Connector

During the installation process, or if removal of the device/harness is needed, you will need to disconnect the Access Link connector using these instructions. Failure to do so may result in damage to the harness.

STEP 1 - Take a pick tool and locate the small locking clip on the green/teal portion of the connector.



STEP 2 - Carefully insert the pick tool tip under the connector, and push the locking clip upward/outward to release the connector.



Disconnecting Access Link Connector Cont'd

STEP 3 - Pull the connector apart while holding the clip out.



Features

Bluetooth Switch Pairing (SOLD SEPARATELY)

STEP 1 - Turn the ignition/key to the on-position with the PCU installed.

STEP 2 - Remove the back-plate from the switch, install the three included batteries, reinstall the back-plate. The switch should immediately start scrolling which signifies that it is in the pairing mode. (Ensure the mobile App is Closed before pairing switch)

STEP 3 – While the LEDs on the switch are scrolling, place the switch directly on top of the PCU module towards the end furthest from the connector. Once paired to the module, the lights on the switch will display the current power level.

***TIP:** If the LEDs on the switch stop scrolling before being paired, press an arrow buttons on the switch to re-start pairing sequence and try again.*

***NOTE:** The switch cannot be used if the PCU app is open. The switch and the app will need to be used separately.*



***The switch is sold separately.**
On the goapr.com website, you can find it under SKU name: EM100070*

Using the Bluetooth Switch

Once paired, the switch will briefly display what level the module is currently in. Pushing the left arrow button will lower the current power level and the right arrow button will raise the current power level.

Power Levels:

- S - Stock
- 1 - Level 1
- 2 - Level 2
- 3 - Level 3
- 4 - Level 4
- 5 - Level 5



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FAQs

Frequently Asked Questions

Question: Why am I getting a bunch of errors and warnings saying that certain systems are not available after the install?

Answer: The vehicle will need to be reinitialized after the battery has been disconnected, a short drive should clear any errors or warnings.

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For additional questions not found in the user guide, call:

APR Technical Support: (800)-680-7921

Mon - Fri 8:00 am - 5:00 pm CST

**To expedite your support call, please have your Vehicle Information,
Part Number, and Serial Number ready prior to calling Technical Support.**

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