



Equilibrium Tuning Coil Grounding Kit Installation Instructions

First and foremost, Thank you for your purchase! We hope this kit finds you well and provides a quality solution to a common problem many MQB vehicles are plagued with. Let's get right to it!

Kit Contents:

- 1 x Precision Made Coil Grounding Harness
- 4 x M6 x 1.0 x 8mm Stainless Steel Hex Cap Screws
- 4 x M6 x 1.0 Stainless Steel Flat Washers

***The photographs may not match the product you have in front of you as they are from the original beta test product. The beta test product used flexible braided sleeving which is not as durable as the product you have in front of you which is constructed from M22759/32 Tefzel wire and Raychem DR-25 protective sleeving.*

Installation Difficulty Scale: 1 / 5

Any customer with basic hand tools should be able to accommodate this install within 15-20m on a cold vehicle.

Tools:

- | | |
|------------------------------|------------------------------|
| 1/4" Socket Wrench / Ratchet | 10mm 1/4" drive short socket |
| Side Cutters / Cutting tool | Depin Tool (*Pro kit Only) |
| 5mm Hex Allen / T-Handle | 10mm Wrench |
| Assortment of Picks | Flat Blade Screw Driver |

Safety Disclosure:

Always allow the vehicle to cool down prior to installation or any repairs. Wear appropriate PPE and maintain proper vehicle safety awareness at all times. Failure to do so may result in personal injury.



Step 1 - Ensure you have all of the kit contents and all of the required tools for installation. See above for requirements



Step 2 - Remove plastic engine cover by gently pulling up around the 4 ball tabs that secure it to the cam cover.

Step 3 - Locate the Ignition Coil Harness

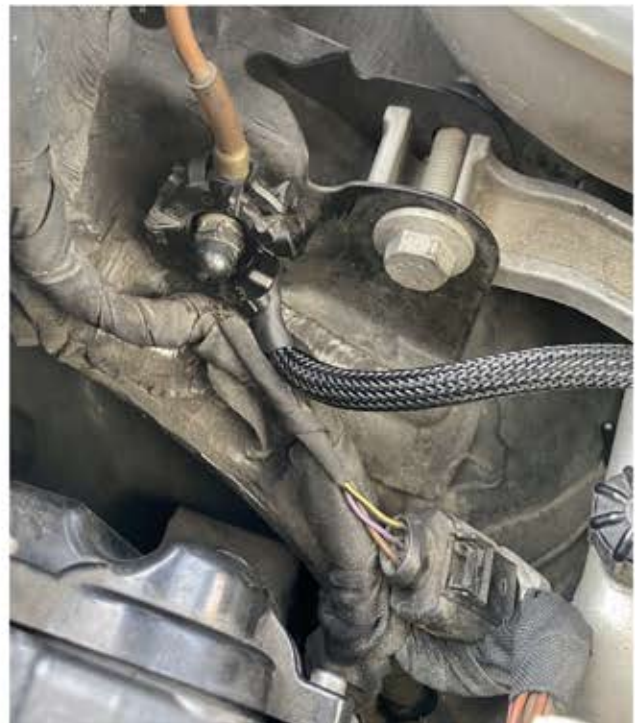


Step 4 - Using your 10mm wrench, hold the bottom 10mm stud and use a 10mm socket to remove the nut holding the existing coil ground wire. Then using your pick or flat blade screwdriver carefully release the tab on either side of the coil pack connector to expose the wires underneath



Orient the existing ground wires towards the passenger side of the vehicle as shown above.

Step 5 - Locate the grounding lug behind the passenger side headlight and remove it with a 10mm socket. Once removed, use your pick tool to unlock the plastic connector to allow you to slide your new ground wire in. Then resecure the 10mm nut





Step 6 - Using the 10mm Flanged Nut you removed from the Original Coil pack ground, locate the M6 Hex Cap bolts provided with your kit, as well as the M6 Washer and orient in the position shown below. **Beta kit utilized 2 washers instead of 1. You will only have 1 washer*





Step 7 - Join the original ring terminal to the new ring terminal found on your Coil Grounding Kit orienting them in line with each other as seen below.



Step 8 - Using your 10mm Wrench and 5mm Hex tool, tighten the terminals together

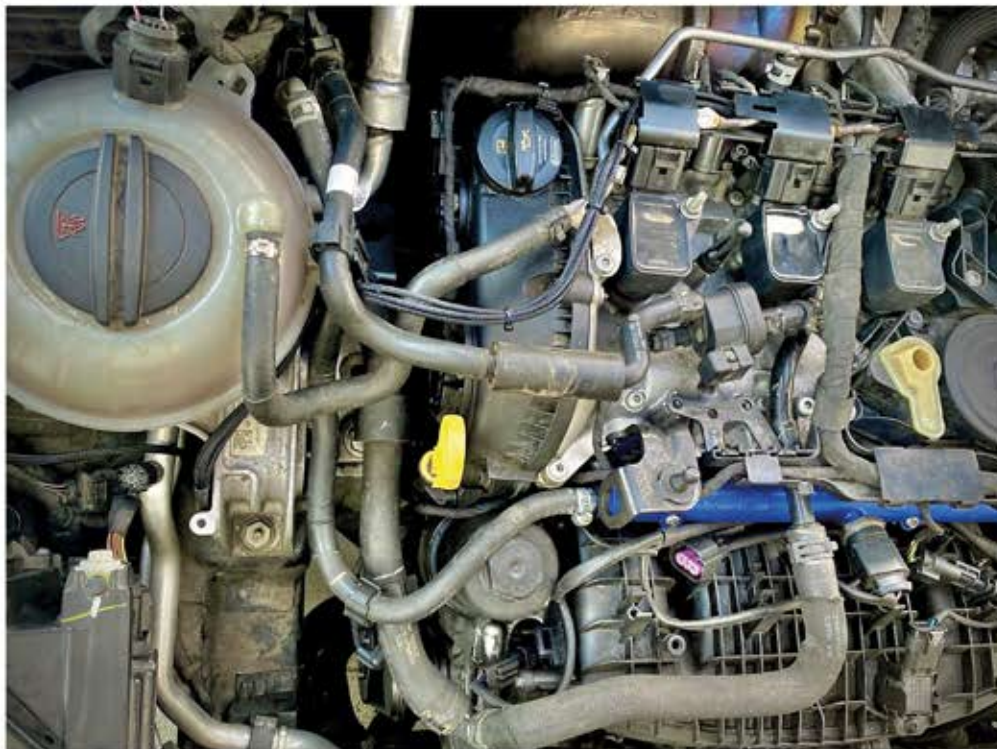




Step 9 - Repeat the process for all 4 coil pack connections and orient towards the passenger side of the vehicle to keep things tidy.



Step 10 - Wire tie any additional or loose cabling together and away from heat then cut off the remaining tails with your cutter tool





PRO KIT SPECIFIC INSTRUCTIONS

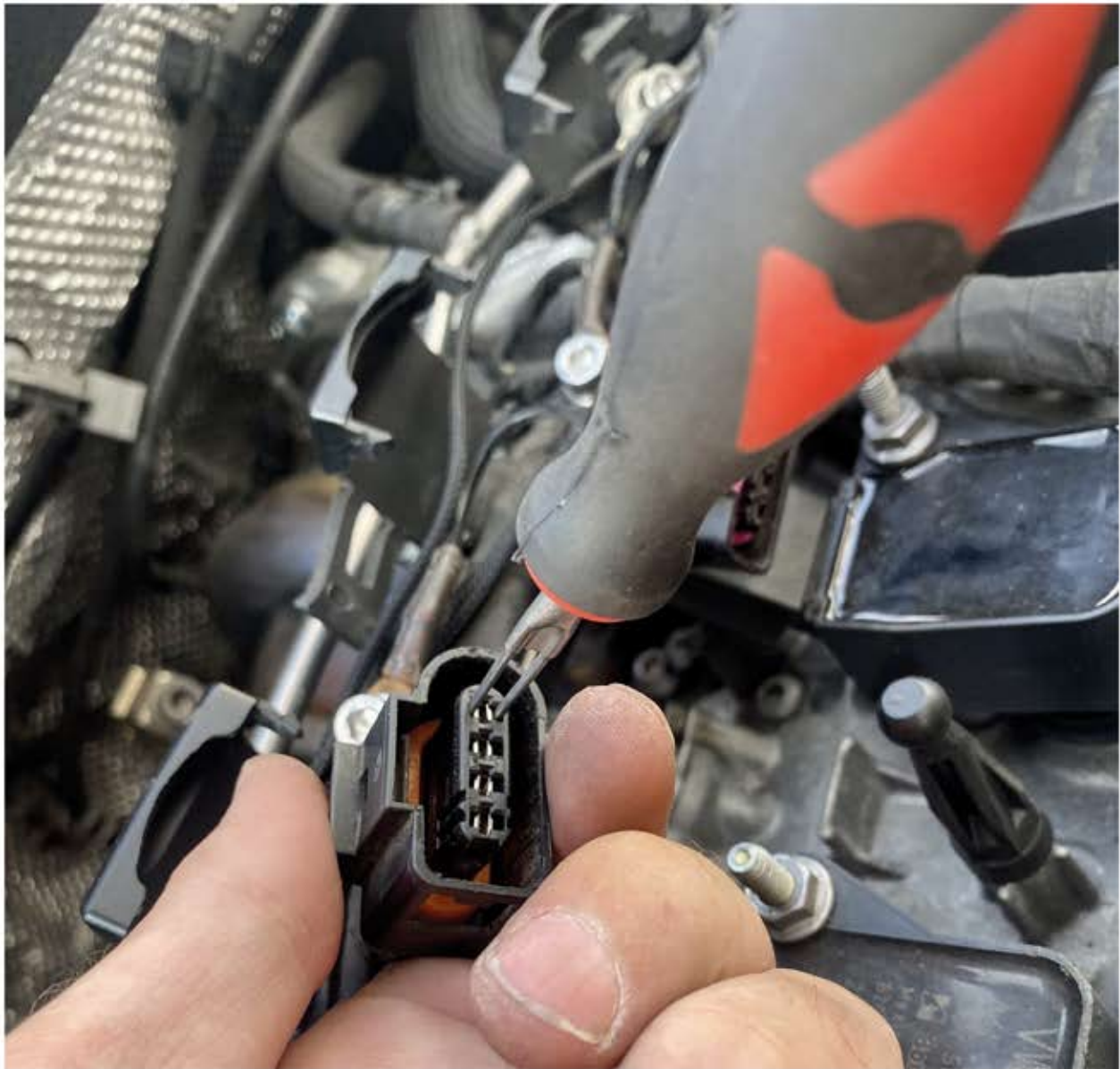
Step 1 - Locate the Purple locking tab and move to the open side of the connector body with a flat blade screwdriver or pick tool



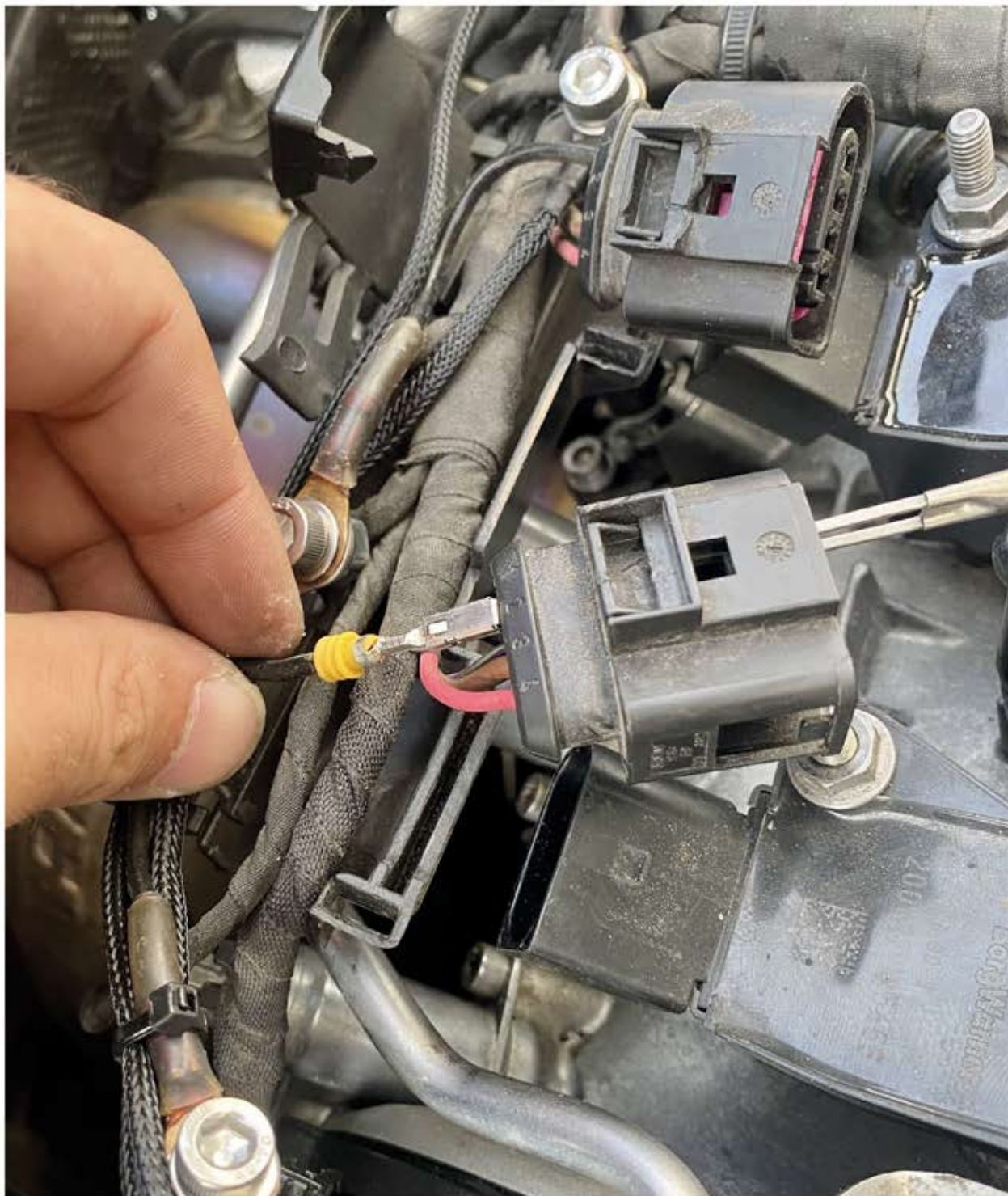
Step 2 - Remove the purple locking tab completely and put it in a safe place that it won't get lost or damaged



Step 3 - With the purple lock removed, properly insert your Depin tool or Improvised Depin tool on either side of the terminal/pin to release the connector. Pay close attention to where you insert the tool, you do not want to accidentally insert the tool down the center of the pin as it will NOT release the opposing lock. Tugging on the wire without the depin tool inserted correctly may damage the wire.



Step 5 - With the locks on either side of the terminal/pin removed gently tug on the back of the wire in order to remove it from the connector body.





COIL PACK CONNECTOR REPLACEMENT

If you are replacing your entire connector (OEM PN: 4D0 971 994) utilize the same steps as the Pro-Kit and repeat on each wire. In the event that you depin all the connectors and can't remember what goes where the following data is provided to guide you in pinning the connector correctly.

Pin Out

- Pin 1 - Black(Coil ground)
- Pin 2 - Purple w/ Tracer or Teal (Trigger)
- Pin 3 - Brown
- Pin 4 - Red (Power)

Individual Cylinder Trigger Wire

- Cylinder 4 - Purple w/ Yellow Tracer
- Cylinder 3 - Teal (Solid Color)
- Cylinder 2 - Purple w/ Blue Tracer
- Cylinder 1 - Purple w/ Green Tracer

Thank you again for your purchase. Please be sure to provide feedback on the product page.



A handwritten signature in black ink, appearing to read 'D. Fambro'.