

KMP Billet K20 Coil Bracket Installation Guide



For 1994-2005 Mazda Miata 1.8L

Important Note for Experienced Mechanics:

This installation guide assumes a certain level of mechanical proficiency. If you are not an experienced mechanic, it is strongly recommended to seek professional assistance or guidance. Handling the installation process requires familiarity with automotive systems and wiring.

Package Contents:

- KMP Billet K20 Coil Bracket
- Mounting Hardware
- Pigtail harness

Tools Required:

- Ratchet and Socket Set
- Screwdrivers
- Pliers
- Torque Wrench
- Allen Wrench Set
- Loctite (optional)
- Wiring Crimper and Connectors

Installation Steps:

Step 1: Preparation

Safety First: Ensure the vehicle is on a flat, stable surface, and the ignition is turned off.

Disconnect Battery: Disconnect the negative terminal of the battery to ensure safety during installation.

Step 2: Removal of Old Bracket (if applicable)

If your Miata has an existing coil bracket, remove it following the manufacturer's instructions.

Step 3: Mounting the KMP Billet K20 Coil Bracket



Positioning: Identify the appropriate location on the engine bay to mount the KMP Billet K20 Coil Bracket.

Secure Bracket: Use the provided mounting hardware to securely attach the KMP Billet K20 Coil Bracket to the designated location.

Torque Specifications: Tighten the bolts to 6ft/lbs

Use LocTite (Optional): Apply LocTite to the threads of the bolts if provided or recommended by the manufacturer.

Step 4: Wiring the Coils

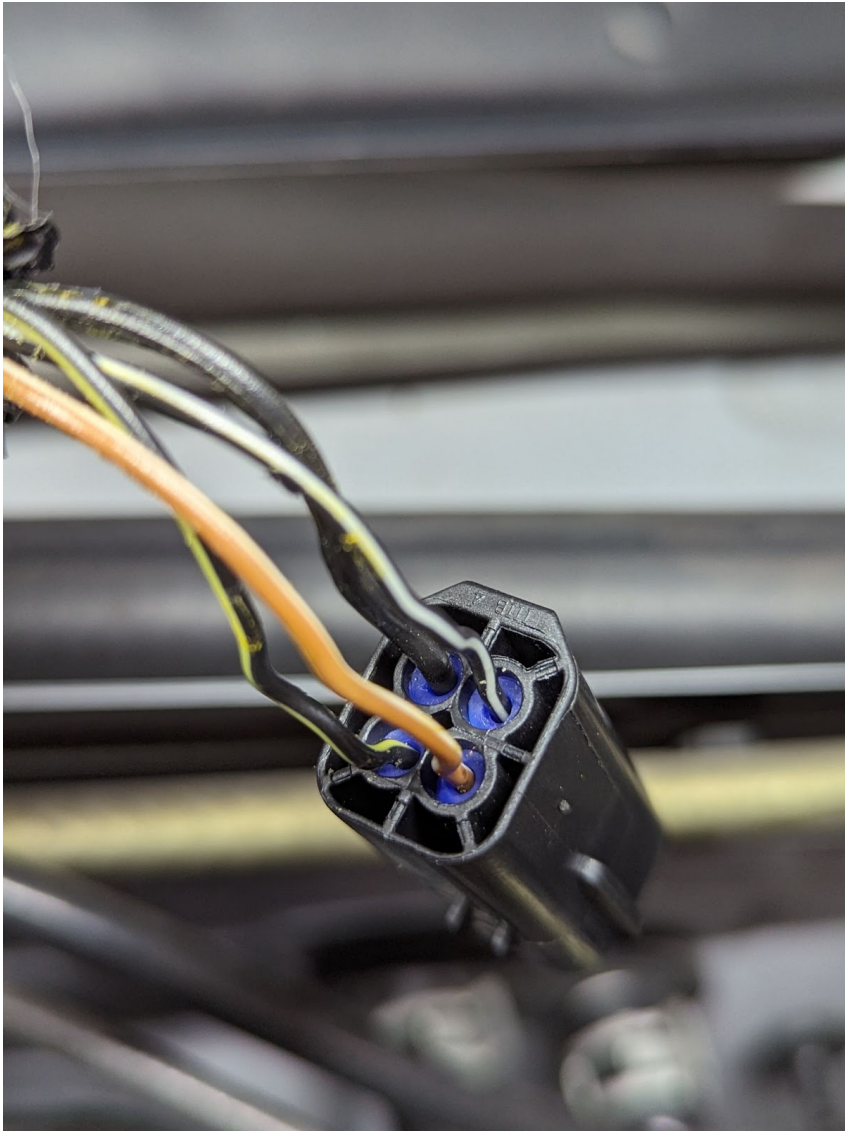


Wire Routing: Route the ignition coil wiring harness along the designated paths, ensuring it is secured and away from moving or hot engine parts.

This is the harness that comes with the bracket kit. Cut to length as desired.



You will need to splice these wires from the oem coil connector and connect them to the supplied harness.

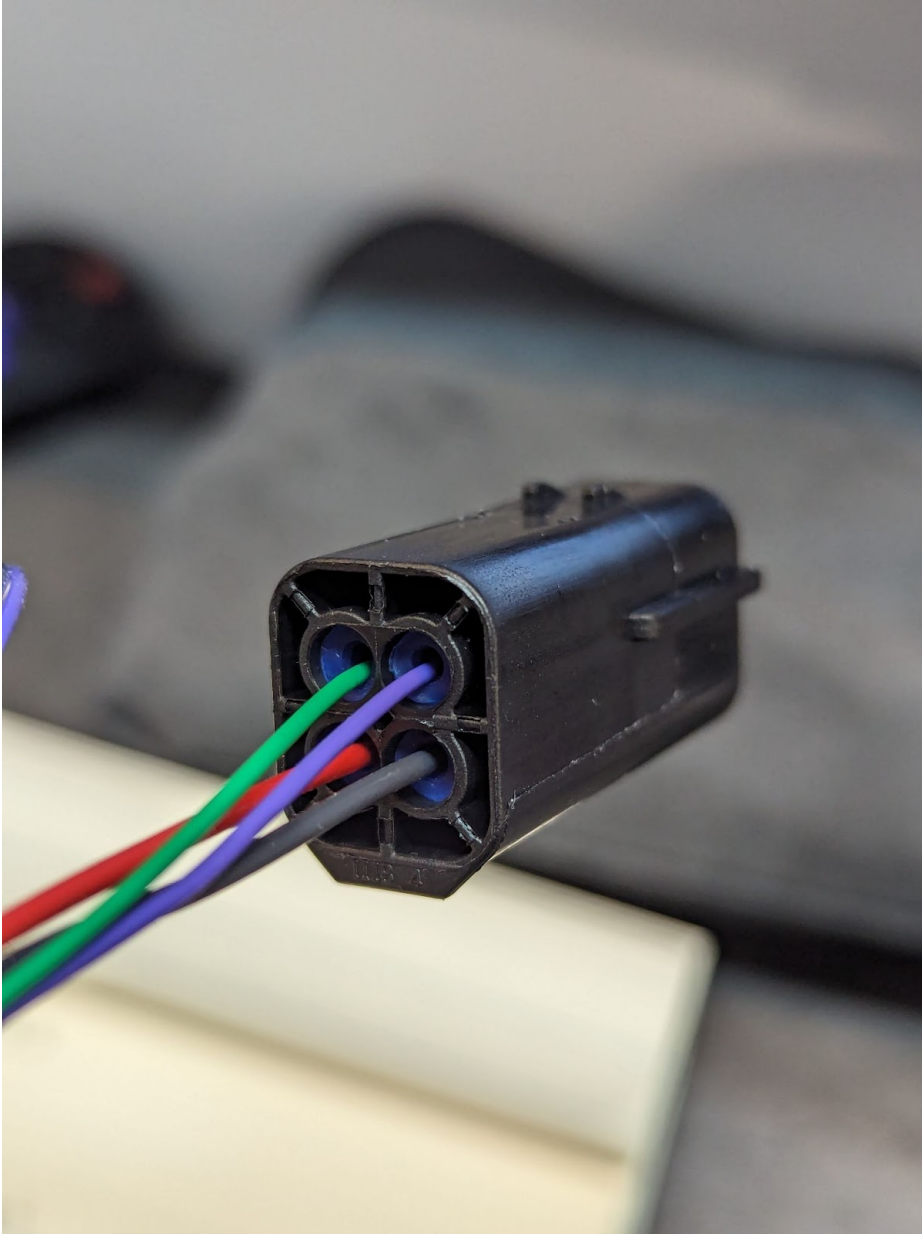


1- Brown/White

2- Black/Yellow

3- Black/White

4- Black



1- Green (coils 1-4)

2- Violet (coils 2-3)

3- Red (12V)

4- Black (Ground)

Secure Connections: Use wiring splicer tools and crimps to secure the connections between the wiring harness and the coils harness connector.

You will need to splice together and join wire colors below:

1- Brown/White with the Green wire

2- Black/Yellow with the Violet wire

3- Black/White with the Red wire

4- Black with the Black wire

Step 5: Final Checks

Double-check Connections: Ensure all bolts are tightened securely, and wiring connections are properly made.

Reconnect Battery: Reconnect the negative terminal of the battery.

Testing: Turn on the ignition and check for proper functioning of the coils.

Step 6: Post-Installation Inspection

Visual Inspection: Inspect the installation for any loose components or potential issues.

Test Drive: Take the vehicle for a short test drive to ensure the coils operate correctly.

Conclusion:

Congratulations! You have successfully installed the KMP Billet K20 Coil Bracket on your 1994-2005 Mazda Miata 1.8L. If you encounter any issues or have questions, refer to the manufacturer's support or seek professional assistance.