CCS OIL CATCH CAN KIT FOR DODGE DURANGO SRT HELLCAT & JEEP CHEROKEE TRACKHAWK

PART NO. CCS-CH-104

MADE IN USA



Important: Read these instructions in their entirety prior to installation.

For contact information, visit www.improvedracing.com

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Rev 260812

VEHICLE APPLICATIONS

- 2021 and 2023-2025 Dodge Durango SRT Hellcat.
- 2018-2021 Jeep Grand Cherokee Trackhawk.

PARTS CHECK

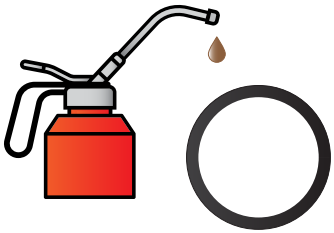
- Visit the website product page for technical data and to confirm all parts have arrived by checking the images.

BEFORE YOU BEGIN

⚠ **WARNING: This product should be installed by a qualified mechanic.**

⚠ **WARNING: Improper installation could result in severe engine damage.**

- Lubricate all quick connect fitting barbs before connecting the hoses.
- Lubricate all visible O-rings prior to installation to prevent damage and ensure a leak-free seal.
- Use aluminum tools to avoid damaging the aluminum fittings.
- Read through this manual, in addition to the general CCS product manual, prior to installation.



INSTALLATION INSTRUCTIONS

WARNING: Confirm the vehicle is not hot prior to installation.

PREPARING THE VEHICLE FOR INSTALL

1. Open the hood to access the engine compartment.
2. Remove the HEMI faceplate from the passenger side valve cover, orange arrow in **Figure 2**.
3. Locate and remove the factory PCV hose as shown in **Figure 1**. It connects the passenger side valve cover to the supercharger.

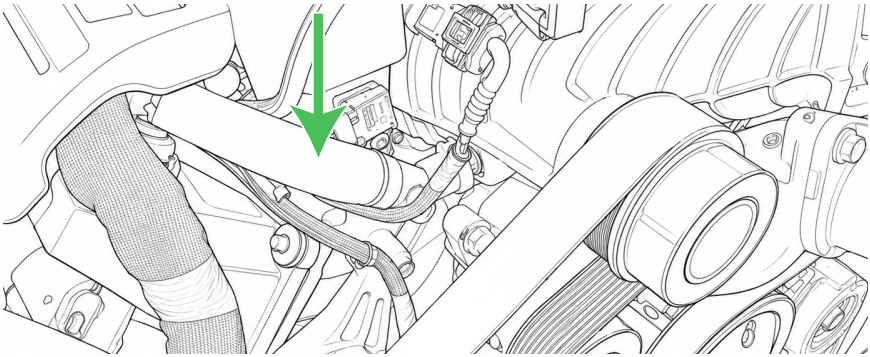


Figure 1 - Factory PCV Hose Location

4. Locate the ECU on the passenger side of the engine bay, green arrow in **Figure 2**.
5. If present, remove the plastic shroud covering the electrical connectors.

The shroud is present on the Dodge Durango. It is not present on the Jeep Grand Cherokee Trackhawk. It is not reinstalled.

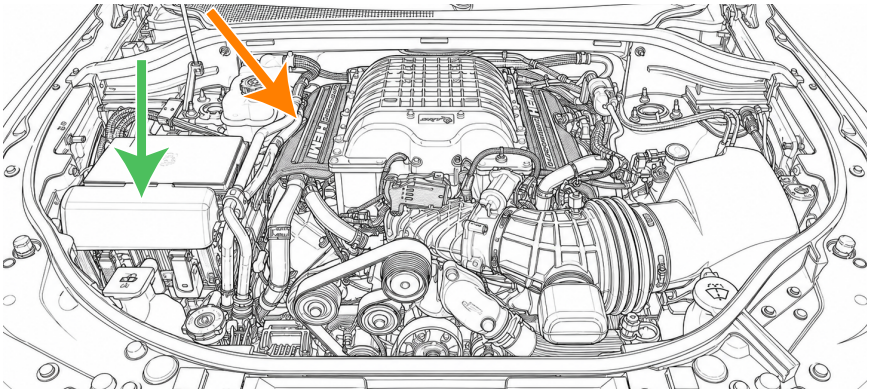


Figure 2 - ECU Shroud and HEMI Faceplate Locations

6. Remove the factory screws from the ECU bracket shown in **Figure 3** using a 10mm socket. The supplied M6 screws will replace them.

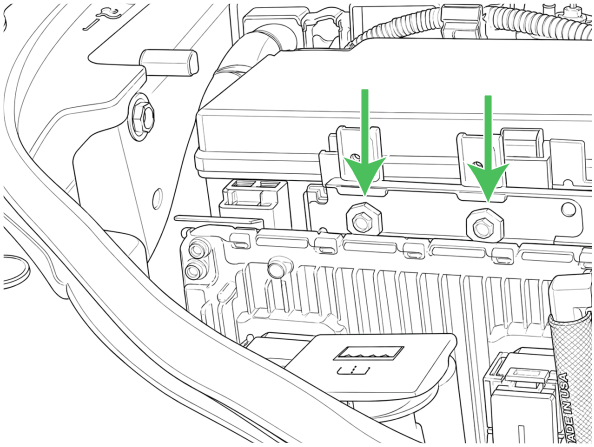


Figure 3 - ECU Bracket Screw Locations

Retain the factory PCV hose, factory screws and the shroud, if fitted, in case the vehicle is ever returned to stock.

INSTALLING THE ADAPTER BRACKET

1. Install the CCS-CH-104-40 adapter bracket as shown in **Figure 4**.

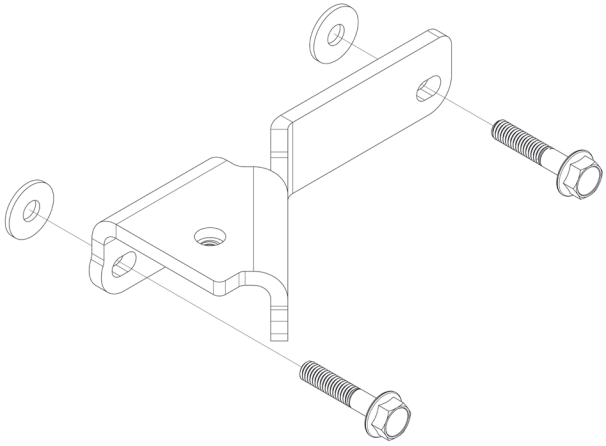


Figure 4 - Adapter Bracket and Hardware

a. Slide the lock clip lanyard eyelet onto one M6 flanged hex head screw. This screw installs in the left position as seen in **Figure 5**.

b. Space the adapter bracket off the ECU cover with the supplied M6 washers.

c. Using a 10mm socket and the supplied M6 flanged hex head screws, install the adapter bracket securely. Do not overtighten.

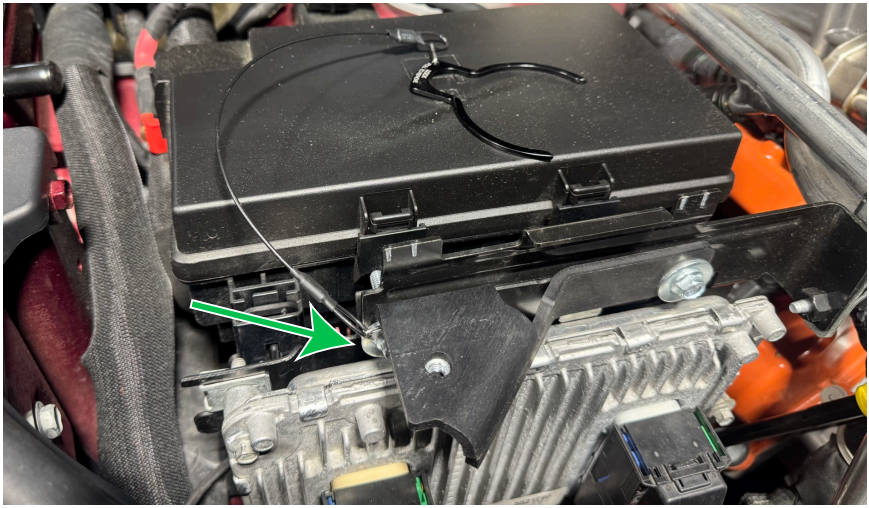


Figure 5 - Lock Clip Lanyard Mounting Location

INSTALLING THE CATCH CAN

1. Remove the bracket nut from the catch can.
2. Install the catch can onto the carrier bracket and position the catch can pin into the bracket hole shown in **Figure 6**.
   a. Confirm the pin is fully seated as shown in **Figure 7**.

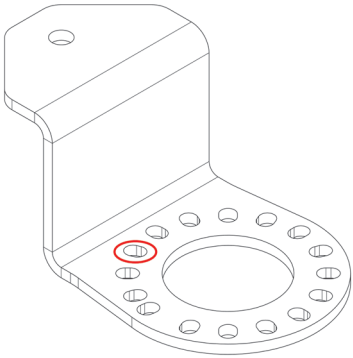


Figure 6 - Carrier Bracket Hole for the Catch Can Pin

Seating the pin in this hole clocks the IN and OUT ports so the pre-made lines route correctly. Any other hole will misalign the hoses.

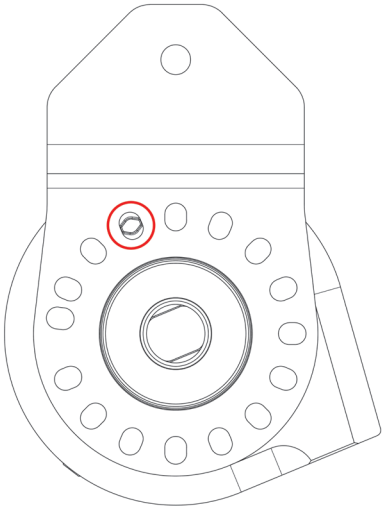


Figure 7 - Catch Can Pin Correctly Seated

3. Thread the bracket nut onto the catch can and tighten with a 16mm (⅝”) wrench.

   When hand tightening, smear a dab of anti-seize around the threads to guarantee the nut is properly tightened.

4. Install the safety lock clip (refer to the CCS Oil Catch Can Universal Instruction Manual for more information).
5. Thread each adapter fitting into the catch can.
   a. Confirm the O-ring is on the smooth part of the fitting.
   b. Apply a small amount of engine oil or assembly lube to the O-rings.
   c. Turn the free spinning nut down flush to the O-ring.
   d. Install the straight fitting into the IN port, confirming the nut remains flush and forces the O-ring completely inside the gland.
   e. Install the 90° fitting into the OUT port the same way, then clock the elbow in the direction shown in **Figure 8**.
   f. Torque each nut between 13 to 16 lb-ft (17 to 22 N-m).

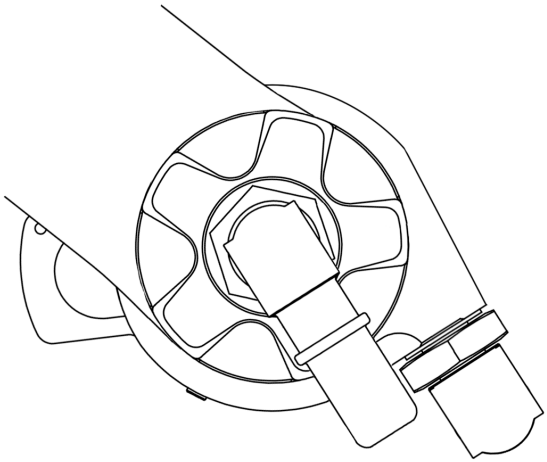


Figure 8 - Preparing the Adapter Fittings

6. Install the catch can and the carrier bracket onto the adapter bracket using the supplied thumb screw.

CONNECTING THE HOSES

1. Connect the crankcase hose (short hose).
    a. Connect the 90° fitting to the PCV outlet on the valve cover, green arrow in **Figure 9**.
    b. Connect the straight fitting to the catch can IN port.
2. Connect the intake hose (long hose).
    a. Connect the 45° fitting to the intake fitting on the supercharger, orange arrow in **Figure 9**.
    b. Connect the straight fitting to the catch can OUT port.

Pull back on each quick connect fitting to confirm it is locked.

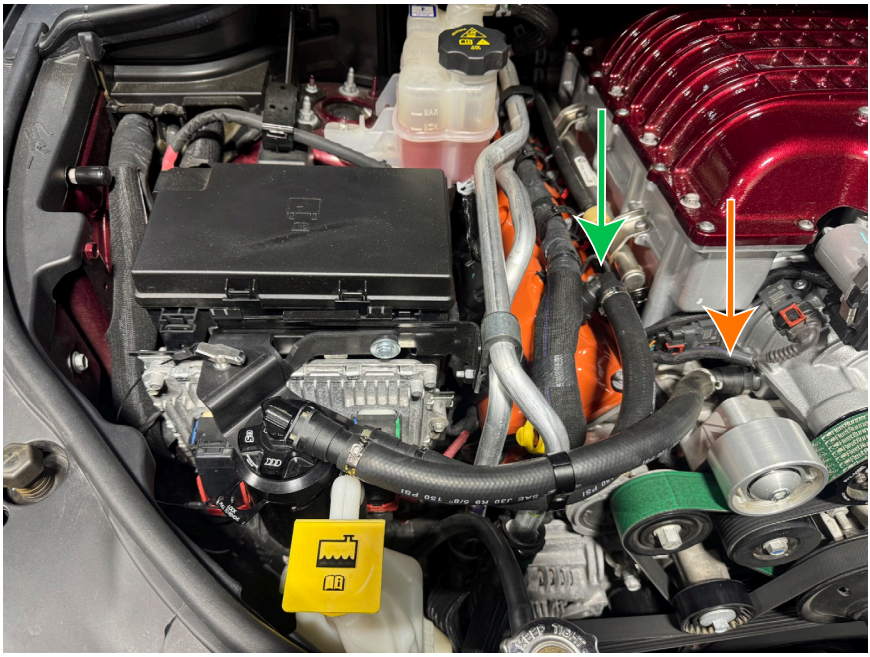


Figure 9 - Catch Can Installed and Hoses Connected

COMPLETING THE INSTALL

1. Confirm all mounting hardware is properly fastened.
2. Confirm all hoses are properly connected.
3. Start the vehicle and check for signs of a vacuum leak.
   a. Troubleshoot and check connections if necessary.
4. Reinstall the HEMI faceplate on the passenger side valve cover.
5. Confirm the safety lock clip is installed on the catch can before closing the hood.

Installation is now complete.

Thank you for purchasing an Improved Racing product!