CCS OIL CATCH CAN KIT FOR GEN 10-11 HONDA CIVIC & ACCORD, GEN 5 INTEGRA

PART NO. CCS-HN-100

MADE IN USA



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

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Rev 260721

PARTS CHECK

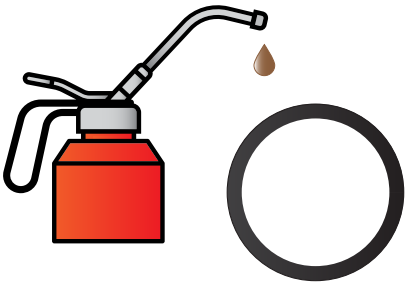
- Visit the website product page to confirm vehicle application and confirm all parts have arrived by checking the images:

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.



- This kit is supplied with a custom bracket pad, 3D printed from robust, carbon-fiber-infused nylon plastic. This polymer withstands temperatures up to 293 °F (145 °C) and is more than suitable for engine bays.

INSTALLATION INSTRUCTIONS

⚠ **WARNING: Confirm the car is not hot prior to installation.**

REMOVING THE HONDA PCV HOSE

1. Open the hood to access the engine compartment.
2. Use needle-nose pliers to release the hose clamps from the PCV hose, as shown in **Figure 1**.

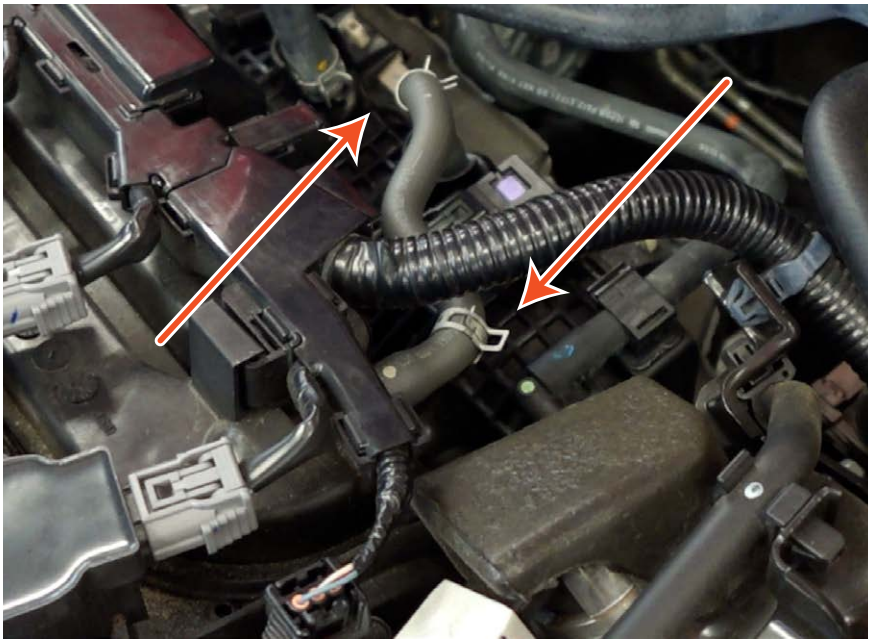


Figure 1 - PCV Tube Location on Engine

3. Remove the hose from the engine by gently pulling on each connection.

💡 Use a small flat screwdriver to push on the ends of the hose if stuck.

4. Set the hose aside: This part will no longer be used.

MOUNTING THE CATCH CAN BRACKET

1. Use a 10mm tool to remove the fuel line cover on the firewall:
   a. **Figure 2** shows 10th generation fuel line cover.
   b. **Figure 3** shows 11th generation fuel line cover.

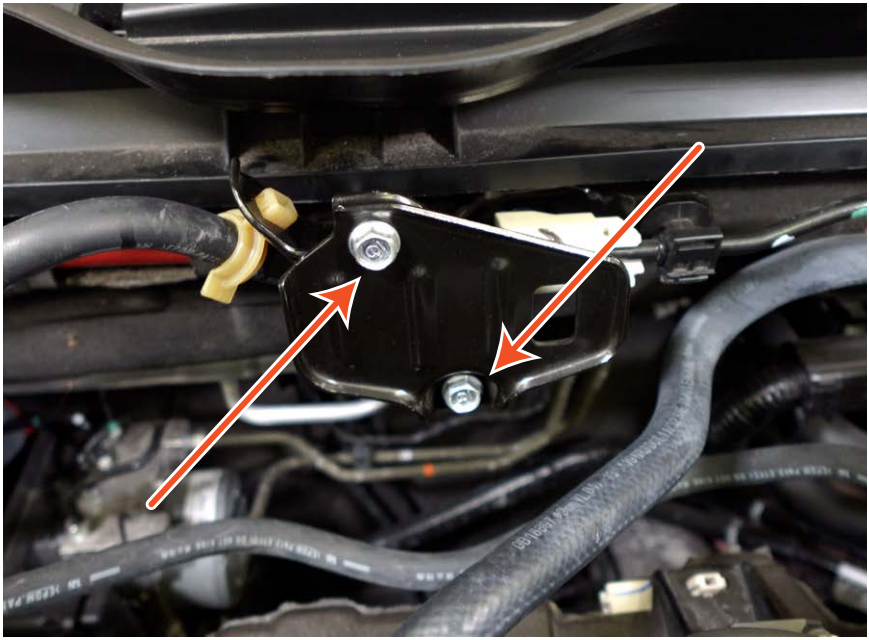


Figure 2 - 10th Gen Cover Plate

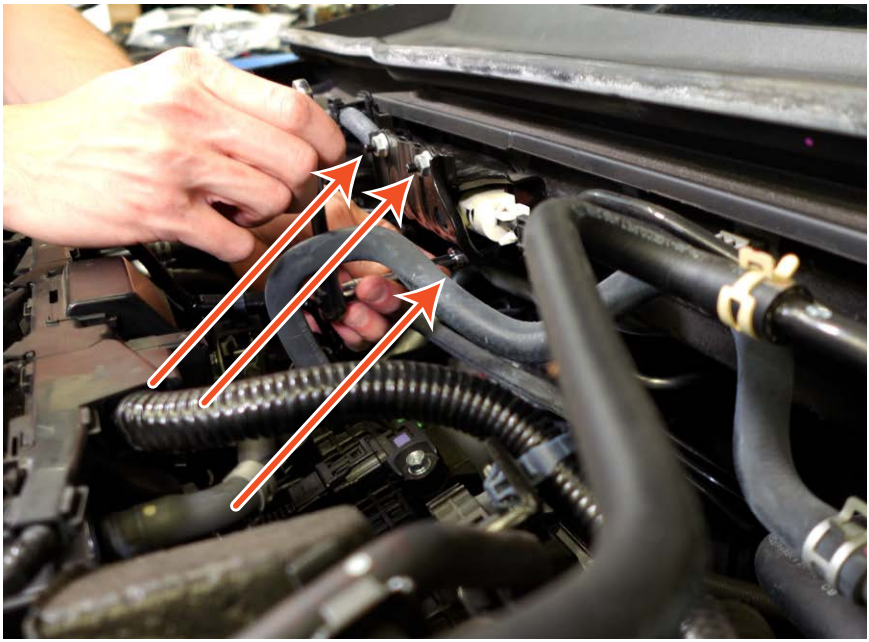


Figure 3 - 11th Gen Cover Plate

2. Unclip the fuel hose from the firewall bracket:
    a. 10th generation cars should refer to **Figure 4** and **Figure 6**.
    b. 11th generation cars should refer to **Figure 5** and **Figure 6**.

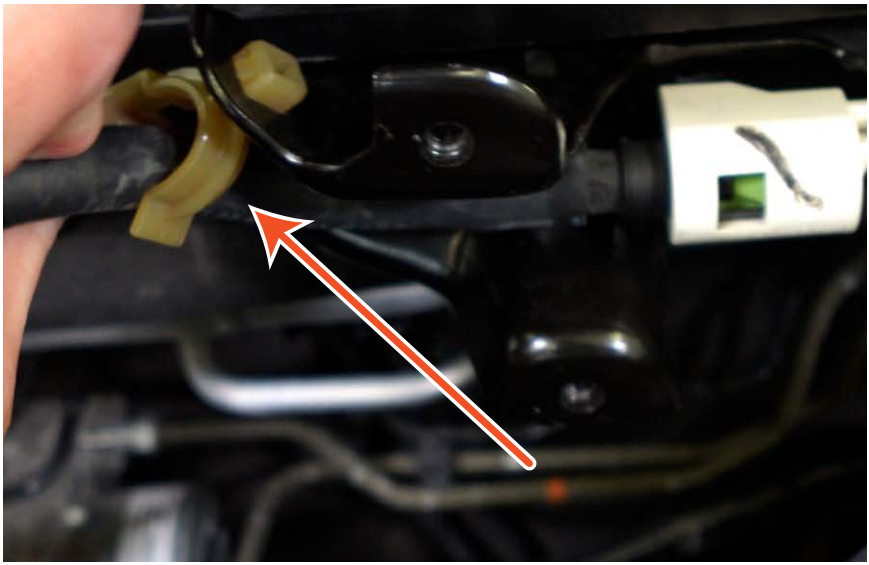


Figure 4 - 10th Generation Fuel Line Clip

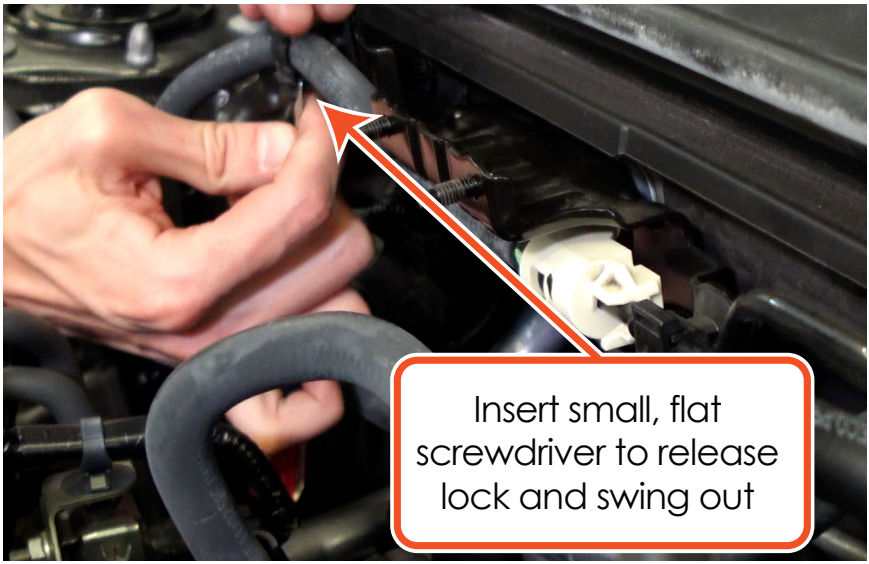


Figure 5 - 10th Generation Fuel Line Clip

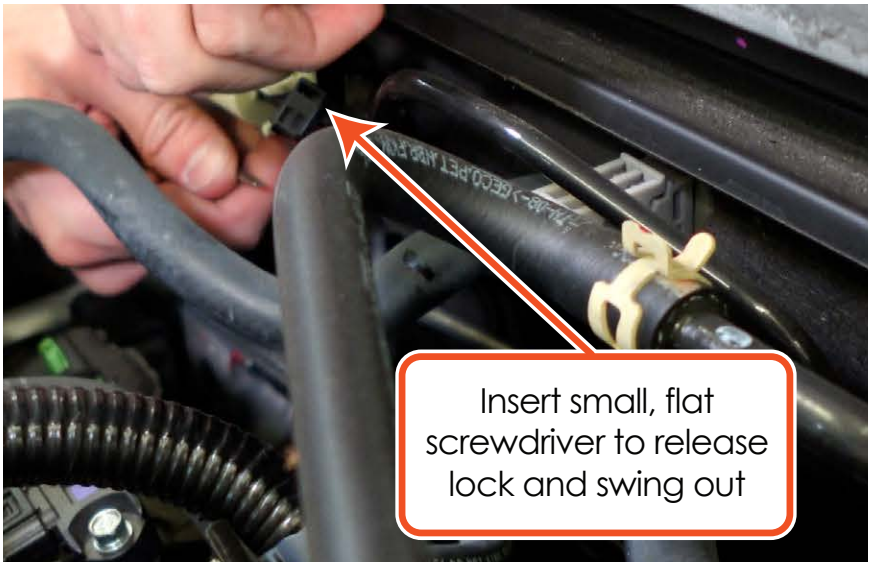


Figure 6 - 10th & 11th Generation Fuel Line Clip

3. Use a 10mm tool to remove the firewall bracket from the vehicle:
   a. Start with the left screw and use a magnet to remove it.
   b. Proceed to the next screw and pull the bracket out with the tool holding the screw as shown in **Figure 7**.



Figure 7 - Removing the Firewall Bracket

4. Assemble the provided brackets as shown in **Figure 8**.
5. Attach the wire lanyard to the second screw in the top row before torquing the hardware, as shown in Figure 8.
6. Torque the hardware to 100 lb-in (11 N-m).



Figure 8 - Carrier Bracket Installed onto Firewall

7. Use the provided screws and washers to install the brackets.
8. Prepare the parts to be installed by referring to **Figure 9**, **Figure 10** and **Figure 11**.
   a. **Figure 9** shows a 10mm nut packed into the socket.

   Feel free to pack any object that fits into the socket so that the screw does not slide into the socket.

   b. **Figure 10** shows which firewall screw to install first.
   c. **Figure 11** shows the bracket pad and spacers installed onto the catch can mounting bracket.

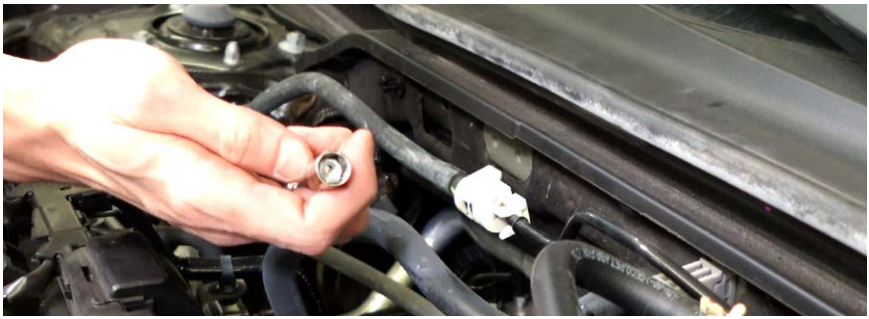


Figure 9 - Nut Placed in Socket



Figure 10 - First Screw to Reinstall

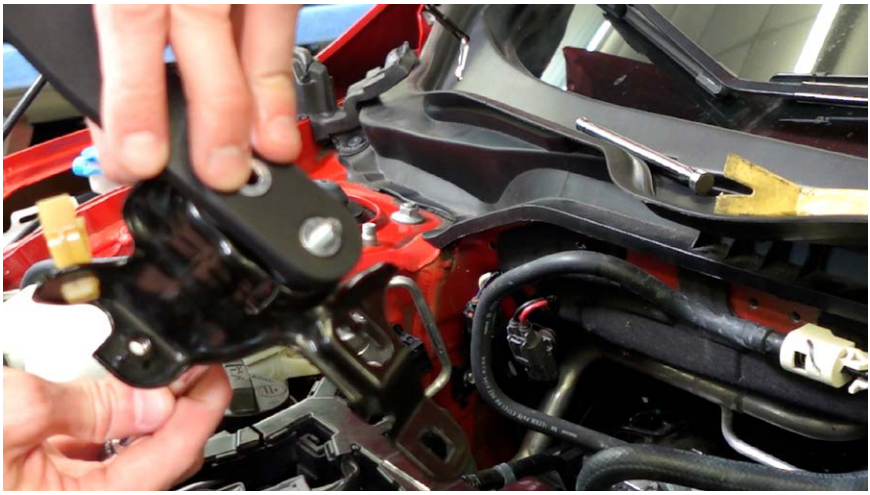


Figure 11 - Bracket Pad & Spacers Installed to Bracket

9. Use a 10mm tool to install the included screws and washers in the reverse order of removal, then tighten to feel.

MOUNTING THE CATCH CAN

1. Remove the nut from the catch can.
2. Install the straight fitting into the IN port on the catch can.

3. Torque the fitting between 13 to 16 lb-ft (17 to 22 N-m).
4. Install the 90° adapter fittings in the OUT port of the catch can:
   a. Confirm the O-ring is on the smooth part of the fitting.
   b. Turn the free spinning nut down flush to the washer.
   c. Install the fitting into the OUT port, confirming the washer remains flush and forces the O-ring completely inside the gland.
5. Insert the catch can through the large hole in the mounting bracket.
6. Position the pin into the bracket hole shown in **Figure 12**.

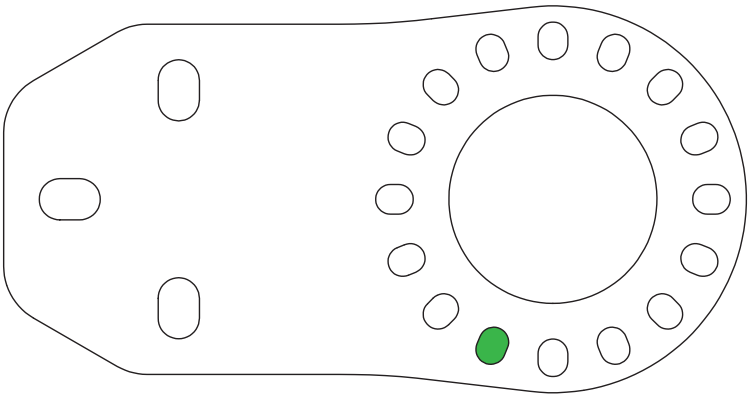


Figure 12 - Correct Bracket Hole for Pin on Top of Catch Can

7. Thread the nut onto the catch can and tighten with a $^{5}/_{8}$" wrench.

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

CONNECTING THE LINES

1. Connect the shorter line according to your generation of Civic:
   a. 10th generation cars cut 1 inch off and connect the plain hose side to the valve cover port, confirming the hose clamp is on.
   b. 11th generation cars will connect the plain hose side to the valve cover port without trimming, confirming the hose clamp is on.
2. Connect the longer line according to your generation of Civic:
   a. 10th generation cars cut 3 inches off and connect the plain hose side to the intake manifold port, confirming the hose clamp is on.

b. 11th generation cars will connect the plain hose side to the intake manifold port without trimming, confirming the hose clamp is on.

3. Connect the quick connect fittings to the catch can fittings:
   a. Valve cover to inlet.
   b. Intake manifold to outlet.
4. Confirm the buttons are easy to press and remember their positions.
5. Tighten the hose clamps on each engine connection and confirm the screw heads are positioned as shown in **Figure 13** and **Figure 14**.

Confirm the buttons are still easy to press before completely tightening the hoses to the engine ports.

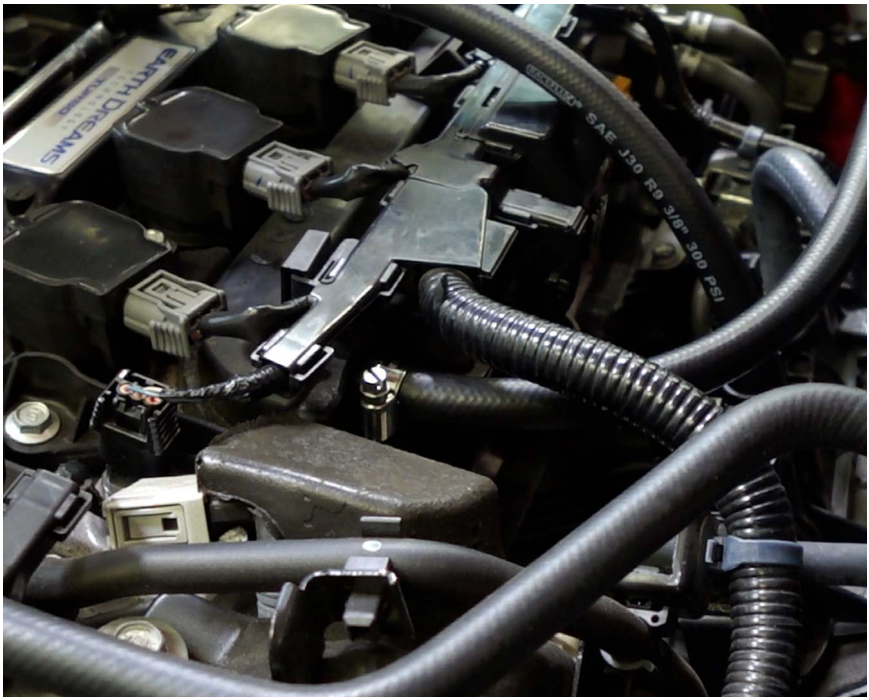


Figure 13 - Hose Clamp Valve Cover Port

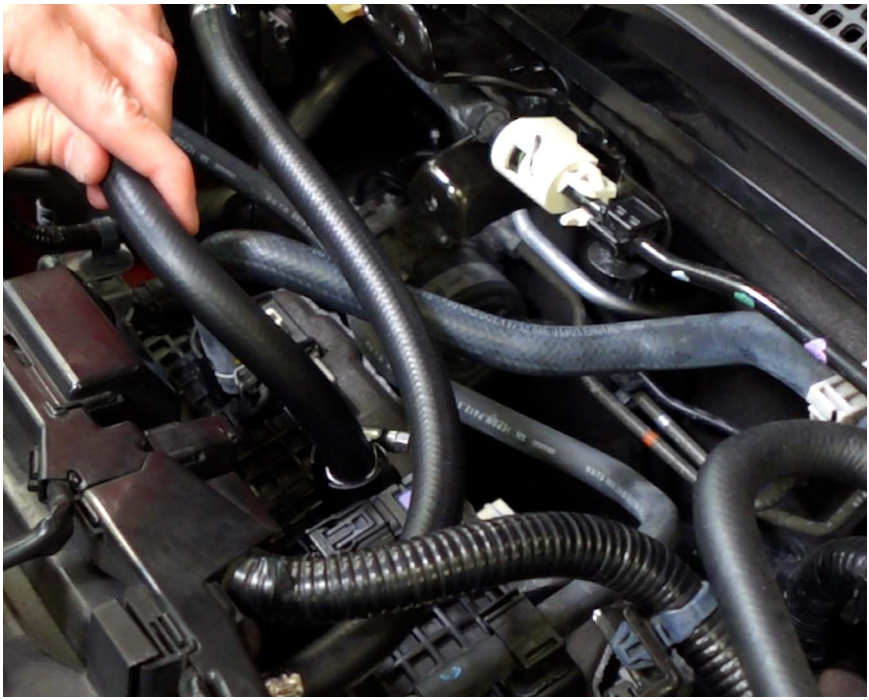


Figure 14 - Hose Clamp Intake Manifold Port

6. Completely tighten the 90° fitting on the catch can after confirming the angle creates a smooth bend in the hose.
7. Tighten the nut between 13 to 16 lb-ft (17 to 22 N-m).

COMPLETING THE INSTALL

1. Attach the lock clip to the lanyard and install to the catch can.
2. Confirm all mounting hardware is properly fastened.
3. Confirm all hoses are properly connected.
4. Confirm the lanyard is attached to the safety lock clip and the safety lock clip is installed in the can before closing the hood.
5. Start the vehicle and check for signs of a vacuum leak.
   a. Troubleshoot and check connections if necessary.

Installation is now complete.

Thank you for purchasing an Improved Racing product!