



CCS OIL CATCH CAN KIT FOR S550 MUSTANG GT

PART NO. CCS-FR-105

MADE IN USA



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

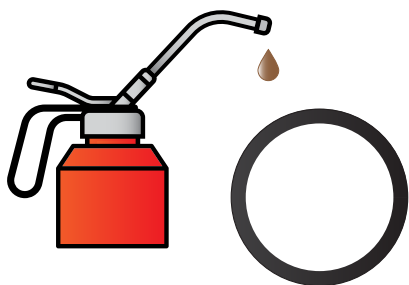
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PARTS CHECK

- 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.



INSTALLATION INSTRUCTIONS

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

REMOVING THE SIGHT SHIELD AND INTAKE COVER

1. Open the hood to access the engine compartment.



Figure 1 - Sight Shield and Clip Locations

2. Use a prying tool or flat head screwdriver to remove all eight plastic clips shown in Figure 1.
3. Set clips aside until it is time to reinstall the sight shield.
4. Remove the sight shield and set aside. This part will be returned to the car after the catch can is installed.
5. Remove the intake cover by gently pulling up.
6. Set intake cover aside. This part will be returned to the car after the catch can is installed.

REMOVING THE FORD PCV TUBE

1. Find and remove the PCV tube on the passenger side of the engine to expose the PCV quick connect fittings shown in Figure 2.



Figure 2 - PCV Quick Connect Locations

2. Set the tube aside: This part will no longer be used.

ASSEMBLING THE CATCH CAN ADAPTER BRACKET

1. Use a T20 tool to secure the threaded pins to the adapter mount, shown in Figure 3.
2. Torque to 24 lb-in (2 lb-ft, 2.7 N-m).



Figure 3 - Threaded Pin Installed in Adapter Mount

3. Use a 5mm hex tool to secure the adapter mount to the adapter bracket using the included M6 socket head screws, shown in Figure 4.
4. Using a 5mm hex drive, torque to 45 lb-in (3.75 lb-ft, 5.1 N-m).



Figure 4 - Adapter Mount Secured to Adapter Bracket

MOUNTING THE CATCH CAN ADAPTER BRACKET

1. Locate the screw on the passenger side radiator shroud forward of the washer fill neck, shown in Figure 5.



Figure 5 - Adapter Bracket Mounting Point

2. Remove the screw.
 3. Align the holes on the CCS adapter bracket and the frame.
- 💡 The adapter bracket tab should rest flush against flat edge of the frame.

4. Use a 12mm tool to install the provided M8 flange screw into the hole, shown in Figure 6.
5. Torque to 120 lb-in (10 lb-ft, 13 N-m).



Figure 6 - Catch Can Adapter Bracket Mounted

MOUNTING THE CATCH CAN

1. Remove the nut from the catch can.
2. Insert the catch can through the large hole in the flat mounting bracket.
3. Position the pin into the bracket hole shown in Figure 7.

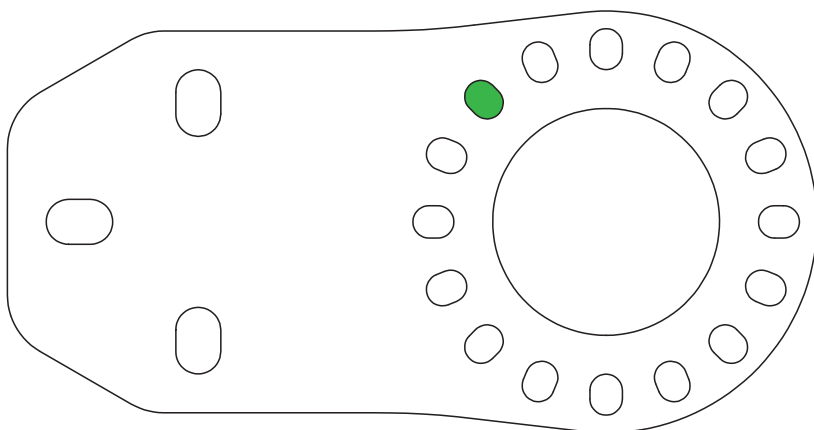


Figure 7 - Bracket Hole for Catch Can Pin

4. Thread the nut onto the catch can and tighten with a $\frac{5}{8}$ " wrench.

- 💡 When hand tightening, smear a dab of anti-seize around the threads to guarantee the nut is properly tightened.
5. Install the straight adapter fitting in the IN port of the catch can:
 - a. Confirm the O-ring is installed.
 - b. Install the fitting, confirming the base of the hex sits flush and forces the o-ring completely inside the gland.
 - c. Tighten the between 13 to 16 lb-ft (17 to 22 N-m)
 6. Install the 90° adapter fitting 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 O-ring.
 - c. Install the fitting into the OUT port, confirming the nut remains flush and forces the O-ring completely inside the gland.
 - d. Position the fitting as shown in Figure 8.
 - e. Tighten the nut between 13 to 16 lb-ft (17 to 22 N-m)

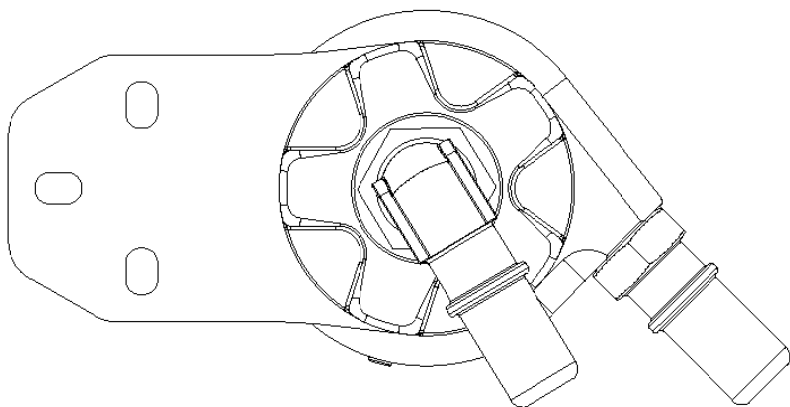


Figure 8 - Correct Fitting Orientation

7. Secure the safety clip and mount the catch can to the adapter bracket securing it with the provided thumb screw as seen in Figure 9.



Figure 9 - Catch Can Installed on Adapter Bracket

8. Refer to Figure 10 and connect the shorter hose as follows:
 - a. 90° fitting to the blue/brown PCV valve.
 - b. Straight fitting to the catch can IN port.
9. Refer to Figure 10 and connect the longer hose as follow:
 - a. Straight fitting to the catch can OUT port.
 - b. 90° fitting to the intake manifold.
10. Refer to Figure 10, then use a 3/16" hex tool to install the hose separator onto the two hoses as shown



Figure 10 - Catch Can Hoses and Hose Separator Installed

COMPLETING THE INSTALL

1. Confirm all mounting hardware is properly fastened.
 2. Confirm all hoses are properly connected.
 3. Confirm the safety lock clip is installed.
 4. Reinstall the engine cover.
 5. Reinstall the sight cover.
 - a. Optional: before installing use a dremel to remove the material on the sight shield above the catch can to allow for access to the catch can and thumb screw while the sight shield is installed.
-  **WARNING: do not cut or remove the hood prop latch on the sight shield.**
6. 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!