



# INSTALLATION INSTRUCTIONS

## OIL CATCH CAN KIT



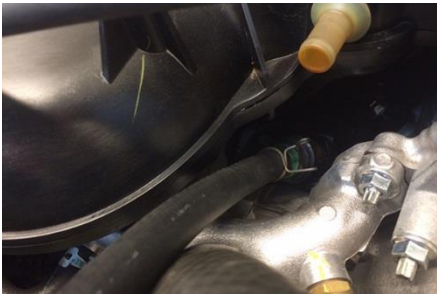


2007+ TOYOTA TUNDRA  
ENGINE: 5.7L 3UR-FE






Document: 19-0110



Support: info@radiumauto.com

This manual will cover installation on a 2010 Toyota Tundra TRD "Rock Warrior" with a 5.7L 3UR-FE engine. This product can be purchased in a single or dual catch can kit configuration. Both scenarios will be covered. Read and understand all steps before beginning. Installation should take 30-60 minutes.

| STEP | TOOLS NEEDED         | INSTRUCTIONS  | PHOTO |
|------|----------------------|---|-------|
| 1    |                      | Open the hood.  |       |
|      |                      | To release the engine cover, lift up and remove.  |       |
|      |                      | Note the 3 holes in the factory sheet metal where the catch can bracket will be mounted. This area is located in the front between the radiator and the right headlight. Make sure this area is free of any aftermarket products that may have been previously installed.   |       |
|      |                      |   |       |
| 2    | 4mm Allen Hex Wrench | Install the bracket using the included hardware.<br><br>NOTES:<br>-For 2014+ Tundras, there is a plastic splash shield that needs to be temporarily removed to access the 3 holes shown in this area.<br>-The bottom right side hole requires the large washer (as shown).<br>-The inner mounting point may require a wobbly swivel since the through hole is offset from the large sheet metal hole shown. |       |
|      | 10mm Wrench          |   |       |
|      | 10mm Socket          |   |       |
|      | Wobbly Swivel        |   |       |
| 3    | Socket Extension     | When the bracket is properly installed, the OEM wiring harness will route through the bracket, as shown.  |       |
|      |                      |   |       |
|      |                      |   |       |
|      |                      |   |       |
| 4    | 25mm Aluminum Wrench | Assemble the adapters fittings onto the catch can(s).<br><br>NOTES:<br>-Ignore the instructions regarding the second catch can if only one catch can was purchased.<br>-The PCV catch can uses a -6AN male adapter fitting, as shown. All other adapter fittings are -8AN male.<br>-Lubricate the O-rings with a drop of light oil.<br>-Aluminum wrenches prevent surface finish marring.                   |       |
|      | Oil                  |   |       |
|      |                      |   |       |
|      |                      |   |       |

|   |                      |   |   |
|---|----------------------|---|---|
| 5 | 3mm Allen Hex Wrench | <p>Install the catch can to the bracket.</p> <p>NOTES:</p> <p>-Use a drop of medium-strength threadlocker for each bolt.</p>  |    |
|   | Threadlocker         |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
| 6 | Pliers               | <p>If the PCV catch can is being installed, remove the short PCV valve hose. This is located on the front of the engine. Use a pair of pliers to release each OEM spring clamp. The OEM spring clamps will be reused.</p> <p>NOTES:</p> <p>-To gain access, remove and discard a small portion of the OEM foam that is located in this area.</p>  |    |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
| 7 | Pliers               | <p>For the PCV catch can installation, push the included 3/8" hose onto the green PCV valve barb. Reattach the OEM spring clamp.</p>  |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
| 8 | Pliers               | <p>Next, push the included 1/2" hose onto the intake manifold barb. Reattach the OEM spring clamp.</p> <p>Route both hoses over the intake tube (shown) then underneath the air filter box.</p>   |  |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
| 9 | Hose Cutter          | <p>Hand tighten the -6AN 90 degree hose end and -8AN straight hose end onto the catch can fittings.</p> <p>Pull each hose up towards the hose ends. Allow some slack for engine movement and cut to length, if necessary.</p> <p>NOTES:</p> <p>-For the PCV catch can install, the 3/8" hose from the green PCV valve will route to the top port and attach to the 6AN 90 degree hose end.</p> <p>-For the PCV catch can install, the 1/2" hose from the intake manifold will route to the side port and attach to the 8AN straight hose end.</p> |  |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |
|   |                      |   |   |

|    |                        |  |   |
|----|------------------------|--|---|
| 10 | Oil                    | Unscrew the hose ends from the catch can.  |    |
|    | 11/16" Aluminum Wrench | Drop a small amount of light oil onto the hose end barbs. With a great deal of force, push each hose onto their respective hose end until it is fully seated.  |   |
|    | 7/8" Aluminum Wrench   |  |   |
|    |                        | Install each hose assembly to the catch can and tighten.   |   |
|    |                        |  |   |
|    |                        |  |   |
|    | NOTES:                 | -Aluminum wrenches prevent surface finish marring.   |   |
|    |                        |  |   |
| 11 | 4mm Allen Hex Wrench   | If the second catch can is being installed, use the 3 bolts and 3 nuts included to secure the secondary catch can bracket to the main bracket, as shown.   |    |
|    | 10mm Wrench            |  |   |
|    |                        |  |   |
|    |                        |  |   |
|    |                        |  |   |
|    |                        |  |   |
| 12 | Pliers                 | If the crankcase catch can is being installed, remove the u-shaped hose (shown) from the TEE barb and air box filter barb. This is located on the right center of the engine. Use a pair of pliers to release each OEM spring clamp. The OEM spring clamps will be reused. |   |
|    |                        |  |   |
|    |                        |  |   |
|    |                        |  |   |
|    |                        |  |   |
|    |                        |  |   |
| 13 | Hose Cutter            | For the crankcase catch can installation, cut the included 1/2" hose in half. Next, push each hose onto the TEE barb and air filter box barb and reattach the OEM spring clamps, as shown.<br><br>Route both hoses underneath the air filter box.                          |  |
|    | Pliers                 |  |   |
|    |                        |  |   |
|    |                        |  |   |
|    |                        |  |   |
|    |                        |  |   |
| 14 | Hose Cutter            | Hand tighten the -8AN 90 degree hose end and -8AN straight hose end onto the catch can fittings.   |  |
|    |                        | Pull each hose up towards the hose ends. Allow some slack for engine movement and cut to length, if necessary.   |   |
|    |                        |  |   |
|    |                        | NOTES:   |   |
|    |                        | -For the crankcase install, the 1/2" hose from the TEE will route to the top port and attach to the 8AN 90 degree hose end.  |   |
|    |                        | -For the crankcase install, the 1/2" hose from the air filter box will route to the side port and attach to the 8AN straight hose end.   |   |

|    |                      |   |   |
|----|----------------------|---|---|
| 15 | Oil                  | Unscrew the hose ends from the catch can.   |  |
|    | 3/4" Aluminum Wrench | Drop a small amount of light oil onto the hose end barbs. With a great deal of force, push each hose onto their respective hose end until it is fully seated. |   |
|    |                      |   |   |
|    |                      |   |   |
|    |                      | Install each hose assembly to the catch can and tighten.  |   |
|    |                      | NOTES:  |   |
|    |                      | -Aluminum wrenches prevent surface finish marring.  |   |
| 16 |                      | Reinstall the engine cover. Installation is complete.   |  |
|    |                      |   |   |
|    |                      | Periodically check the catch can contents using the dipstick, or by unscrewing the lower portion of the catch can(s). Empty and clean as needed.              |   |
|    |                      |   |   |
|    |                      |   |   |
|    |                      |   |   |
|    |                      |   |   |