INSTALLATION INSTRUCTIONS
OIL CATCH CAN KITS
TOYOTA TACOMA

Document: 19-0280
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COLOR LEGEND FOR EACH STEP

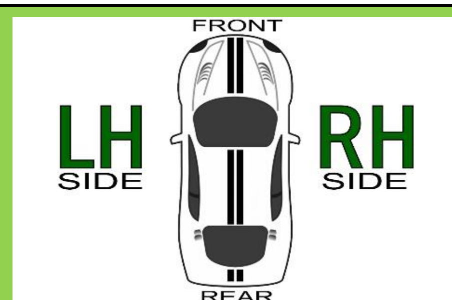
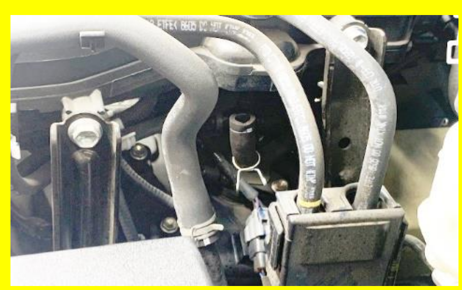
20-0838 CATCH CAN KIT, PCV, TOYOTA TACOMA
Follow GREEN and YELLOW areas below

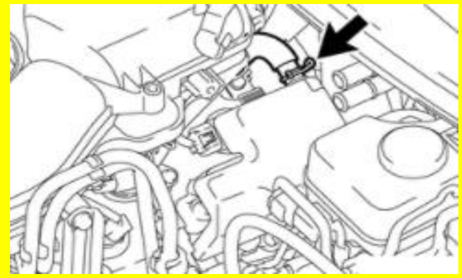
20-0839 CATCH CAN KIT, CCV, TOYOTA TACOMA
Follow GREEN and ORANGE areas below

20-0840 DUAL CATCH CAN KIT, TOYOTA TACOMA
Follow GREEN, YELLOW, and ORANGE areas below

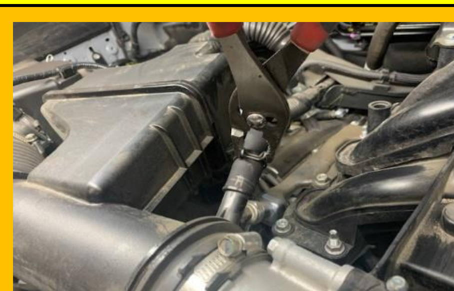
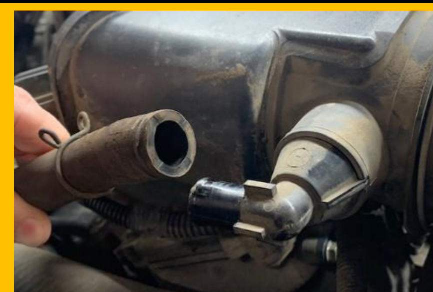
CATCH CAN SERVICING

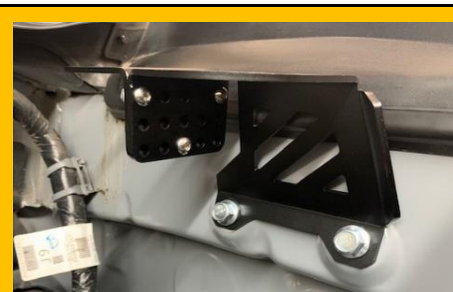
Check the oil catch can dipstick regularly. All vehicles are unique and will accumulate oil contaminants at different rates. Unscrew the bottom portion of the catch can. Properly dispose of the contents as needed. Do NOT return the contents back into the engine. The stainless steel media can be cleaned with a degreaser.

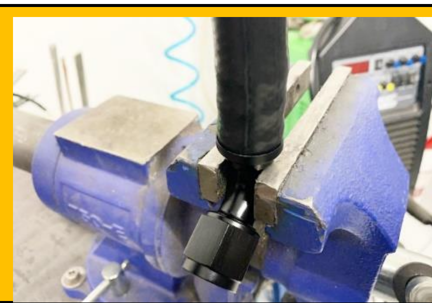
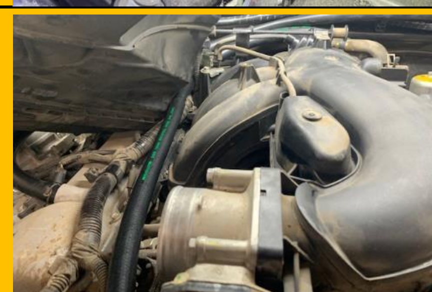
STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1		The terms "driver-side" and "passenger-side" will NOT be referenced. As depicted, these instructions will always reference "LH" and "RH" areas of the vehicle.	
2	10mm Socket Wrench	Disconnect the negative battery terminal. CAUTION: Disconnecting the battery may cancel fault memories of some control units. Consequently, before disconnecting the battery, always cross examine any fault memories.	
3	10mm Socket Wrench	Remove the engine vanity cover. NOTE: Some covers are secured with acorn nuts (shown). **For 20-0838 PCV CATCH CAN KIT installation, continue with the following YELLOW section.** **For 20-0839 CCV CATCH CAN KIT installation, skip the following ORANGE section.**	
4	Pliers	**20-0838 CATCH CAN KIT, PCV, TOYOTA TACOMA** The PCV valve hose is located on the LH side of the engine. Loosen and slide the clamp down the hose that connects to the intake manifold. To separate, pull the PCV hose downwards from the intake manifold.	

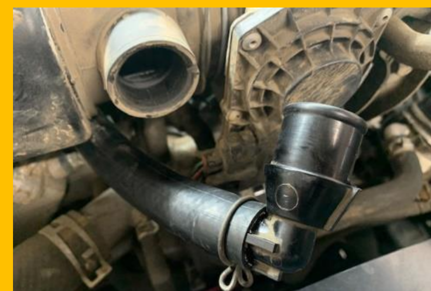
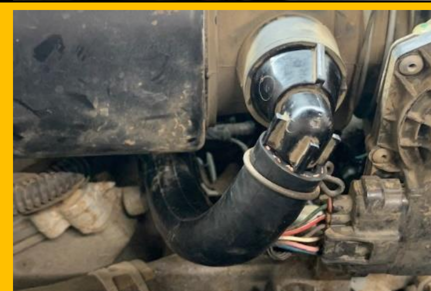
5	Pliers	Follow the hose back to the PCV valve at the rear of the engine (3.5L V6 engine shown). Loosen the clamp.	
6		Pull the hose off the PCV valve and remove from the engine. Remove the 2 clamps from the hose. They will be reused. The OEM hose will NOT be reused.	
7	Oil Lubrication 4mm Allen Wrench	Remove the oil dipstick from the top of the catch can. Lubricate the O-ring found on the provided banjo bolt fitting. Install the banjo fitting to the catch can top port.	
8	Oil Lubrication 1" Wrench	Reinstall the oil dipstick. Lubricate the O-ring on the 6AN male adapter fitting. Install to the side catch can port. NOTE: an aluminum wrench can prevent surface finish marring.	
9	Thread Locker 3mm Allen Wrench	***NOTE: If installing the 20-0840 DUAL CATCH CAN KIT, install the second catch can bracket prior to installing this catch can.*** Apply a medium-strength thread locker to the four provided M5x0.8mm bolts. Position the catch can in place and secure.	
10	12mm Socket Wrench	Find the 2 threaded bosses on LH inner fender. Lineup the catch can assembly and secure using the 2 provided M8x1.25mm bolts.	

11	Hose Cutter	Cut the provided 3/8" PCV hose in half. NOTE: These lengths do NOT have to be exact. In later steps, a couple inches will be cut off each hose to make a perfect fit.	
12	Oil Lubrication	Lubricate the PushLok barbs on the provided 90 degree 6AN hose end. Fully seat into either one of the 3/8" hoses, as shown. Lubricate the PushLok barbs on the provided straight 6AN hose end. Fully seat into the other section of 3/8" hose. NOTE: PushLok hose ends do NOT require hose clamps.	
13		Loosely spin the 90 degree hose end to the catch can top port fitting. Loosely spin the straight hose end to the catch can side port fitting.	
14	Hose Cutter Pliers	Route the side port hose towards the intake manifold port. Cut the hose to length allowing enough slack for engine movement. The total hose length will be roughly: 3.5L V6 Engine: ~16" (406mm) 4.0L V6 Engine: ~20" (508mm) Secure the hose to the intake manifold barb using the OEM spring clamp.	
15	Hose Cutter Pliers	Route the top port hose to the PCV valve at the rear of the engine. Cut the hose to length allowing enough slack for engine movement. The total hose length will be roughly: 3.5L V6 Engine: ~27" (686mm) 4.0L V6 Engine: ~24" (610mm) Secure the hose to the PCV valve using the OEM spring clamp (4.0L V6 engine shown).	
16	11/16" Wrench 7/8" Wrench Diagonal Cutter	Once everything is nicely positioned, tighten the hose ends. Secure the hoses together using the provided cable zip-ties.	

Step	Tools	Instructions	Image
17	10mm Socket Wrench	Reinstall the engine vanity cover. Reconnect the battery and start the engine. Confirm there are no leaks. **20-0838 PCV CATCH CAN KIT INSTALLATION COMPLETE**	
18	Pliers	<u>**20-0839 CCV CATCH CAN KIT INSTALLATION**</u> The CCV hose is located on the RH side of the engine. It connects the valve cover to the air filter intake (upstream of the throttle body). Loosen and slide the clamp down the hose that connects to the intake (3.5L V6 engine shown).	
19		To separate, pull the CCV hose away from the intake (4.0L V6 engine shown).	
20	Pliers 10mm Socket Wrench	Follow the CCV hose to the valve cover vent. *NOTE: For the 4.0L V6 engine (shown), the air intake box will have to be moved. First, unplug the MAF sensor and wire stay. Next, use a 10mm socket to loosen both hose clamps and unbolt the air box.* Loosen and slide the clamp down the hose. To separate, pull the CCV hose away from the barb fitting, as shown.	
21		Remove the hose from the engine. Remove the 2 clamps from the hose. They will be reused. The OEM hose will NOT be reused.	
22		NOTES: 1. If the PCV catch can kit was already installed, the PCV catch can will need to be temporarily removed to mount the second bracket. 2. The dual catch can and the CCV catch can kits include 2 mounting brackets. If installing just the CCV kit, one bracket will NOT be used.	

23	8mm Socket Wrench 3mm Allen Wrench 12mm Socket Wrench	Using the provided hardware and brackets assembly and secure the brackets as shown.	
24	Oil Lubrication 6mm Allen Wrench	Remove the oil dipstick from the top of the catch can. Lubricate the O-ring found on the provided banjo bolt fitting. Install the banjo fitting to the catch can top port.	
25	Oil Lubrication 1" Wrench	Reinstall the oil dipstick. Lubricate the O-ring on the 10AN male adapter fitting. Install to the side catch can port. NOTE: an aluminum wrench can prevent surface finish marring.	
26	Thread Locker 3mm Allen Wrench	To secure the catch can(s), apply a medium-strength thread locker to the M5x0.8mm bolts.	
27	Hose Cutter	Cut the provided 5/8" hose in half.	
28	Oil Lubrication	Lubricate the PushLok barbs on the provided straight 10AN hose end. Fully seat into the one section of 5/8" hose. NOTE: PushLok hose ends do NOT require hose clamps.	

29	Oil Lubrication	Lubricate the PushLok barbs on the provided 60 degree 10AN hose end. Fully seat into the other section of 5/8" hose. NOTE: PushLok hose ends do NOT require hose clamps. Loosely spin the 60 degree hose end to the catch can side port fitting. Loosely spin the straight hose end to the catch can top port fitting.	
30	Hose Cutter Pliers	**3.5L V6 Engine Only** Route the side port hose towards the intake port. Cut the hose to length allowing enough slack for engine movement. The total hose length will be roughly ~42" (1067mm). Secure the hose to the intake port using the OEM spring clamp.	
31	Hose Cutter Pliers	**4.0L V6 Engine Only** Route the top port hose towards the valve cover vent port. Cut the hose to length allowing enough slack for engine movement. The total hose length will be roughly ~53" (1346mm). Secure the hose to the valve cover vent port using the OEM spring clamp.	
32	Hose Cutter Pliers	**3.5L V6 Engine Only** Route the top port hose towards the valve cover vent port. Cut the hose to length allowing enough slack for engine movement. The total hose length will be roughly ~42" (1067mm). Secure the hose to the valve cover vent port using the OEM spring clamp.	
33		**4.0L V6 Engine Only** As shown, route the side port hose down the center of the engine (underneath the air box) towards the intake port.	
34		**4.0L V6 Engine Only** Reinstall the air box and MAF sensor. As shown, carefully pull the OEM plastic connector out of the front of the air box.	

35	Diagonal Cutter	**4.0L V6 Engine Only** Cut off the small indexing tab from the OEM plastic connector. This will allow the OEM plastic connector to be rotated freely once reinstalled.	
36	Hose Cutter Pliers	**4.0L V6 Engine Only** Cut the hose to length allowing enough slack for engine movement. The total hose length will be roughly ~53" (1346mm). As shown, secure the hose to the OEM plastic connector using the OEM spring clamp.	
37		**4.0L V6 Engine Only** Reinsert the OEM plastic connector to the air box and orient according to optimal fitment.	
38		Temporarily reinstall the engine vanity cover. If everything is strategically positioned, there will not be any hose interference (as shown).	
39	1" Wrench Diagonal Cutter	Once everything is nicely positioned, tighten the hose ends. Secure the hoses together using the provided cable zip-ties, as shown.	
40	10mm Socket Wrench	Reinstall the engine vanity cover. Reconnect the battery and start the engine. Confirm there are no leaks. **20-0839 CCV CATCH CAN KIT INSTALLATION COMPLETE**