

INSTALLATION INSTRUCTIONS

OIL CATCH CAN KITS

2005-2023 TOYOTA TACOMA, V6

Kit # 20-0838-FL, 20-0839-FL, 20-0840-FL

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




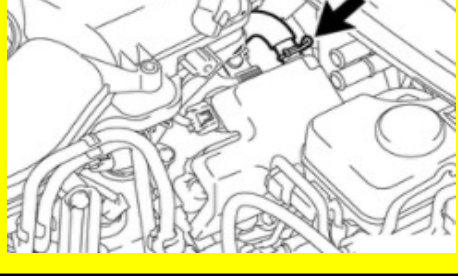


20-0839 CATCH CAN KIT, CCV, TOYOTA TACOMA







Follow **GREEN** and **ORANGE** areas below





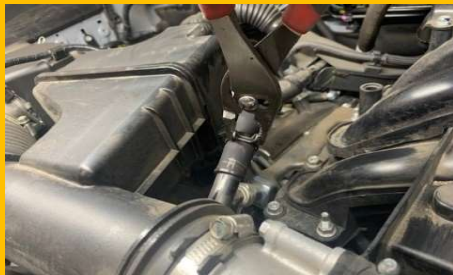









20-0840-FL			
Item Description	Qty	Item Description	Qty
Bracket, Dual Catch Can, Tacoma	1	BHSCS, M5 x 0.8, 12mm Long, SS	3
CATCH CAN MOUNTING BRACKET, UNIVERSAL, SINGLE	1	HHCS, M8 x 1.25, 16mm Long	2
Catch Can, Fluid Lock 2, Preassembled	2	10 inch Zip Tie, Black Nylon	6
3/8 PCV/FUEL HOSE	5 ft	PUSHLOK HOSE END, 10AN STRAIGHT	1
5/8 PCV/FUEL HOSE	10 ft	10AN ORB TO 6AN MALE FITTING	1
10AN ORB TO 10AN MALE FITTING	1	PUSHLOK HOSE END, 6AN STRAIGHT	1
PUSHLOK HOSE END, 10AN 60DEG	1	PUSHLOK HOSE END, 6AN 90DEG	1
10AN ORB SWIVEL BANJO TO 10AN MALE	1	10AN ORB SWIVEL BANJO TO 6AN MALE	1
M5 Flange Nut	3	CATCH CAN SERVICE INTERVAL STICKER	1





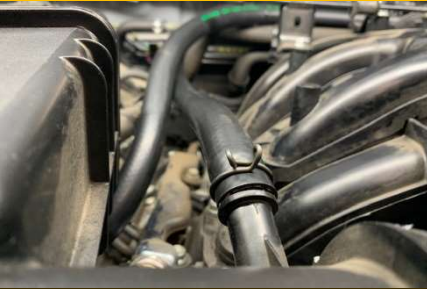
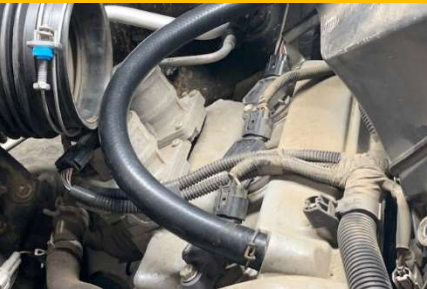
STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1		The terms "driver-side" and "passenger-side" will NOT be referenced. As depicted, these instructions will always reference "LH" and "RH" areas of the vehicle.	


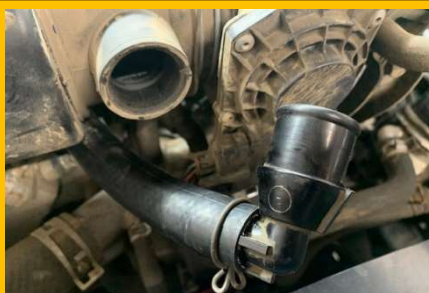
2	10mm Socket Wrench	Disconnect the negative battery terminal.	
3	10mm Socket Wrench	Remove the engine vanity cover. NOTE: Some covers are secured with acorn nuts (shown).	
		For 20-0838 PCV CATCH CAN KIT installation, continue with the following YELLOW section.	
		For 20-0839 CCV CATCH CAN KIT installation, skip the following ORANGE section.	
4	Pliers	<u>20-0838 CATCH CAN KIT, PCV, TOYOTA TACOMA</u>	
		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	Remove the oil dipstick from the top of the catch can.	
	4mm Allen Wrench	Lubricate the O-ring found on the provided banjo bolt fitting. Install the banjo fitting to the catch can top port.	

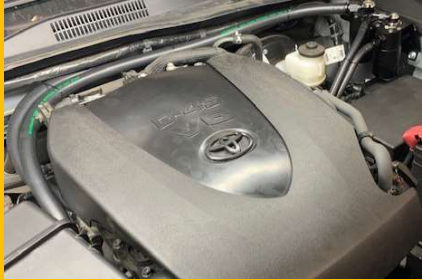


8	Oil Lubrication	Reinstall the oil dipstick.	
	1" Wrench	Lubricate the O-ring on the 6AN male adapter fitting. Install to the side catch can port. NOTE: an aluminum wrench can prevent surface finish marring.	
9	Thread Locker	NOTE: If installing the 20-0840 DUAL CATCH CAN KIT, install the second catch can bracket prior to installing this catch can.	
	3mm Allen Wrench	Apply a medium-strength thread locker to the four provided M5x0.8mm bolts.	
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.	
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	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.	
	Pliers		
15	Hose Cutter	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).	
	Pliers		
16	11/16" Wrench	Once everything is nicely positioned, tighten the hose ends. Secure the hoses together using the provided cable zip-ties.	
	7/8" Wrench		
	Diagonal Cutter		
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	20-0839 CCV CATCH CAN KIT INSTALLATION 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	Follow the CCV hose to the valve cover vent.	
	10mm Socket Wrench	<p><i>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.</i></p> <p>Loosen and slide the clamp down the hose. To separate, pull the CCV hose away from the barb fitting, as shown.</p>	
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	Using the provided hardware and brackets assembly and secure the brackets as shown.	
	3mm Allen Wrench		
	12mm Socket Wrench		
24	Oil Lubrication	Remove the oil dipstick from the top of the catch can.	
	6mm Allen Wrench	Lubricate the O-ring found on the provided banjo bolt fitting. Install the banjo fitting to the catch can top port.	
25	Oil Lubrication	Reinstall the oil dipstick.	
	1" Wrench	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	To secure the catch can(s), apply a medium-strength thread locker to the M5x0.8mm bolts.	
	3mm Allen Wrench		
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	<p>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.</p> <p>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.</p>	
30	Hose Cutter	<p>3.5L V6 Engine Only</p> <p>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).</p> <p>Secure the hose to the intake port using the OEM spring clamp.</p>	
	Pliers		
31	Hose Cutter	<p>4.0L V6 Engine Only</p> <p>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).</p> <p>Secure the hose to the valve cover vent port using the OEM spring clamp.</p>	
	Pliers		

32	Hose Cutter	<u>3.5L V6 Engine Only</u>	
	Pliers	<p>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).</p> <p>Secure the hose to the valve cover vent port using the OEM spring clamp.</p>	
33		<u>4.0L V6 Engine Only</u>	
		<p>As shown, route the side port hose down the center of the engine (underneath the air box) towards the intake port.</p>	
34		<u>4.0L V6 Engine Only</u>	
		<p>Reinstall the air box and MAF sensor.</p> <p>As shown, carefully pull the OEM plastic connector out of the front of the air box.</p>	
35	Diagonal Cutter	<u>4.0L V6 Engine Only</u>	
		<p>Cut off the small indexing tab from the OEM plastic connector. This will allow the OEM plastic connector to be rotated freely once reinstalled.</p>	
36	Hose Cutter	<u>4.0L V6 Engine Only</u>	
	Pliers	<p>Cut the hose to length allowing enough slack for engine movement. The total hose length will be roughly ~53" (1346mm).</p> <p>As shown, secure the hose to the OEM plastic connector using the OEM spring clamp.</p>	
37		<u>4.0L V6 Engine Only</u>	
		<p>Reinsert the OEM plastic connector to the air box and orient according to optimal fitment.</p>	

38		Temporarily reinstall the engine vanity cover. If everything is strategically positioned, there will not be any hose interference (as shown).	
39	1" Wrench	Once everything is nicely positioned, tighten the hose ends.	
	Diagonal Cutter	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	
SERVICING	<p>It is recommended to check catch can fluid level every 5,000 miles (8,000km). It may be necessary to check more frequently in cases of extreme use.</p> <p>Catch can contents can be monitored using the dipstick.</p> <p>The contents can be emptied by one of three ways:</p> <ol style="list-style-type: none"> 1. Unscrewing the bottom half of the catch can and dumping out the collected fluid. 2. Extracted through the dipstick hole using a hand vacuum pump and straw. 3. A remote drain hose can be installed on the bottom of the catch can (P/N 20-0024) <p>Carefully drain contents into an oil-safe container and dispose in the same manner as used motor oil.</p>		