

INSTALLATION INSTRUCTIONS

NISSAN S13 OIL CATCH CAN KITS

SILVIA/180SX/200SX/240SX

Document: 19-0246

Support: info@radiumauto.com

COLOR LEGEND FOR EACH STEP

20-0725 CATCH CAN KIT, PCV, NISSAN S13

Follow **YELLOW** areas below

20-0726 CATCH CAN KIT, CCV, NISSAN S13

Follow **ORANGE** areas below

20-0727 DUAL CATCH CAN KIT, NISSAN S13

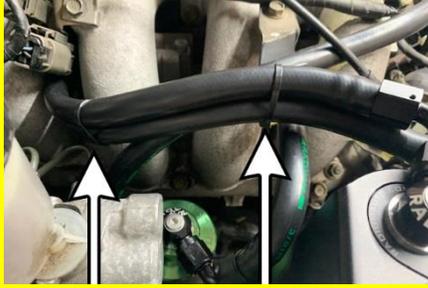
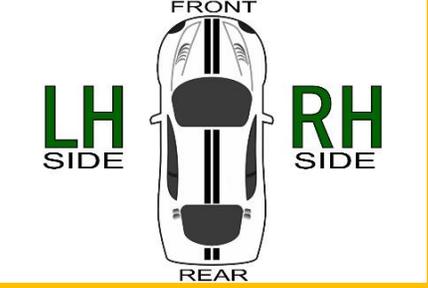
Follow **GREEN** areas below

CATCH CAN SERVICING

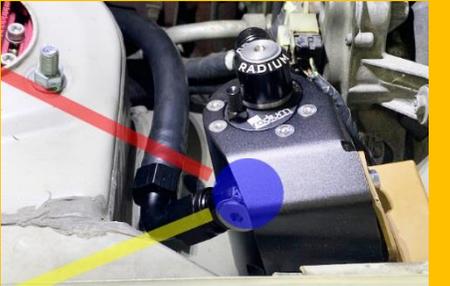
Check dipstick regularly. All vehicles are unique and will accumulate oil contaminants at different rates. Unscrew bottom portion of catch can and properly dispose of contents as needed. Do NOT return back into engine. If needed, stainless steel media can be cleaned with a degreaser.

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1		20-0725 CATCH CAN KIT, PCV, NISSAN S13	
		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	Open the hood and disconnect the battery's negative 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	Pliers	Nissan KA24DE Engine ONLY	
		The PCV valve (red) is in a box mounted to the engine block. Loosen the OEM spring clamps (yellow) to remove the OEM PCV hose (green) that attaches to the vacuum rail (purple) under the intake manifold. This hose will NOT be reused.	
4	Pliers	Nissan SR20DET Engine ONLY	
		The PCV valve is located on the intake side of the valve cover. Loosen the OEM spring clamps and remove the hose. The spring clamps and hose will not be reused.	

5	10mm Wrench	Position the catch can bracket to the RH strut tower and secure using the provided flanged hex M6 bolts, as shown.	
6	Oil Lubrication	Secure both included 6AN adapter fittings to the catch can, as shown. Prelubricate the O-rings.	
	4mm Allen Wrench		
7	Threadlocker	Apply a medium strength threadlocker to the four provided M5x0.8mm bolts. Position the catch can in place and secure with the four M5x0.8mm bolts.	
	3mm Allen Wrench		
8	Oil Lubrication	As shown, lubricate the barbs on the included PushLok hose ends.	
9	Hose Cutter	Fully seat a PushLok hose end into each end of the provided hose. NOTE: PushLok hose ends do NOT require clamps. Cut the hose in half.	
10	Hose Cutter	Run one of the hoses from the catch can side fitting to the intake manifold vacuum manifold. Cut the hose to length factoring in some additional slack for engine movement.	

11	11/16" Wrench	Secure the hose to the vacuum manifold barb using one of the provided clamps. Tighten the hose to the side catch can fitting. NOTE: An aluminum wrench will prevent surface finish marring.	
	Phillips Screwdriver		
12	Hose Cutter	Run the second hose from the top catch can fitting to the PCV valve. Cut the hose to length factoring in some additional slack for engine movement. Secure the hose to the PCV valve using one of the provided clamps. Tighten the hose to the side catch can fitting. NOTE: An aluminum wrench will prevent surface finish marring.	
	11/16" Wrench		
	Phillips Screwdriver		
13	Diagonal Cutters	Install the 2 provided cable zip ties to secure the hoses.	
14		Make sure the catch can assembly and hoses are not interfering with any other critical components such as fuel lines. Reconnect the battery and start the engine. Confirm there are no vacuum leaks. 20-0725 PCV CATCH CAN KIT INSTALLATION COMPLETE	
15		20-0726 CATCH CAN KIT, CCV, NISSAN S13	
		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.	
16	10mm Socket Wrench	Open the hood and disconnect the battery's negative terminal. CAUTION: Disconnecting the battery may cancel fault memories of some control units. Consequently, before disconnecting the battery, always cross examine any fault memories.	

17	10mm Socket Wrench	Unbolt the windshield wiper relay in the LH area near the firewall.	
18	Pliers	Find the OEM hose that vents from the valve cover to the intake pipe. For the KA24DE engine, this will be on the intake side of the valve cover. On other engines, the OEM hose will be on the exhaust side of the valve cover.	
		Loosen and slide the OEM spring clamps to remove the hose. Both OEM spring clamps will be reused. The OEM CCV hose will not be reused.	
19	Oil Lubrication	Lubricate the O-ring and install the 10AN adapter fitting to the catch can side port. NOTE: the other adapter fitting will be installed later.	
	1" Wrench		
20	10mm Wrenches	Lineup the windshield wiper relay "peg" to the hole on the side of the mounting bracket. Secure in place using 1 of the provided M6x1mm bolts and the M6x1mm nut as shown.	
21	10mm Socket Wrench	Install the mounting bracket to the unibody where the windshield wiper relay was previously installed.	
	3/8" Socket Wrench	NOTE: Use the provided thread-forming bolt for the sheet metal hole and the other M6x1mm bolt for the threaded hole.	
22	Thread Locker	Apply a medium strength threadlocker to the four provided M5x0.8mm bolts. Position the catch can in place and secure with the four M5x0.8mm bolts.	
	3mm Allen Wrench		

23	Oil Lubrication	Temporarily remove the catch can dipstick.	
	6mm Allen Wrench	Lubricate the O-ring and install the low profile 10AN adapter fitting to the catch can top port.	
		Reattach the dipstick to the catch can.	
24	Oil Lubrication	As shown, lubricate the barbs on the included 90 degree PushLok hose end.	
25		Fully seat the 90 degree PushLok hose end into the provided hose. NOTE: PushLok hose ends do NOT require clamps.	
		This hose will install between the catch can side port fitting and intake pipe's CCV barb.	
26	Hose Cutter	Cut the hose to an appropriate length.	
		Install the hose to the intake pipe and secure using the OEM spring clamp.	
		NOTE: For SR20DET engines with an OEM intake, the hose will be roughly 19" long. For naturally aspirated KA24DE engines, the hose will travel a long distance.	
27		Connect the hose end to the catch can side port. NOTE: Because the 10AN catch can fitting can swivel, there are 2 options for hose end orientation. Because of interference, there is nothing in between.	
		1. Yellow depicts the direction of the "low" position. Great for engines where the CCV barb is in the LH side of the engine bay (SR20DET).	
		2. Red depicts the direction of the "high" position. Great for engines where the CCV barb is in the RH side of the engine bay (KA24DE). The hose can route along the firewall to the opposite side of the engine bay.	
28		Lubricate the barbs on the stright PushLok hose end and fully seat into the leftover hose. NOTE: PushLok hose ends do NOT require clamps.	
		Hand tighten the straight hose end into the catch can top port.	

29	Hose Cutter	<p>Route the hose from the catch can top port towards the valve cover CCV barb. Allowing extra slack for engine movement, cut the hose to length. Secure the hose using the OEM spring clamp.</p> <p>NOTE: Pictured is an add-on option (not included) for the SR20DET:</p> <ol style="list-style-type: none"> 20-0811 10AN press-in fitting (x1) 14-0215 10AN hose end, 180 degree (x1) 14-0211 10AN hose end, straight (x1) 	
	Pliers		
30	1" Wrench	<p>Tighten both PushLok hose ends. NOTE: An aluminum wrench will prevent surface finishing marring.</p> <p>Reconnect the battery and start the engine. Confirm there are no leaks.</p> <p>20-0726 CCV CATCH CAN KIT INSTALLATION COMPLETE</p>	
31		<p>20-0727 DUAL CATCH CAN KIT, NISSAN S13</p> <p>To install the dual catch can kit, simply follow all of the instructions above for the PCV and CCV catch can kits.</p> <p>20-0727 DUAL CATCH CAN KIT INSTALLATION COMPLETE</p>	