

Z1 Q50 / Q60 3.0T BAFFLED OIL CATCH CAN KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2016+	Infiniti Q50
2017+	Infiniti Q60

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports Q50 / Q60 Baffled Oil Catch Can Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Z1 Catch Can
2	2	Banjo Fitting M18 Bolt to 3/8" Barb
3	2	Banjo Fitting M18 x 27mm Bolt
4	1	Catch Can Bracket
5	1	Catch Can Return Hose
6	1	Catch Can Feed Hose
7	4	Crush Washer
8	3	M4 Screw
9	4	Hose Clamp
10	2	Socket Head Cap Screw – M6 x 55mm
11	2	Split Lock Washer
12	1	2.5mm Ball-End Hex Screwdriver

TOOLS REQUIRED:

- Ratchet
- Ratchet Extension(s)
- Pliers
- 2.5mm Ball-End Hex Screwdriver (supplied)
- 5mm Allen Wrench
- 8mm Allen Wrench
- Assorted Metric Sockets
- Assorted Metric Wrenches

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

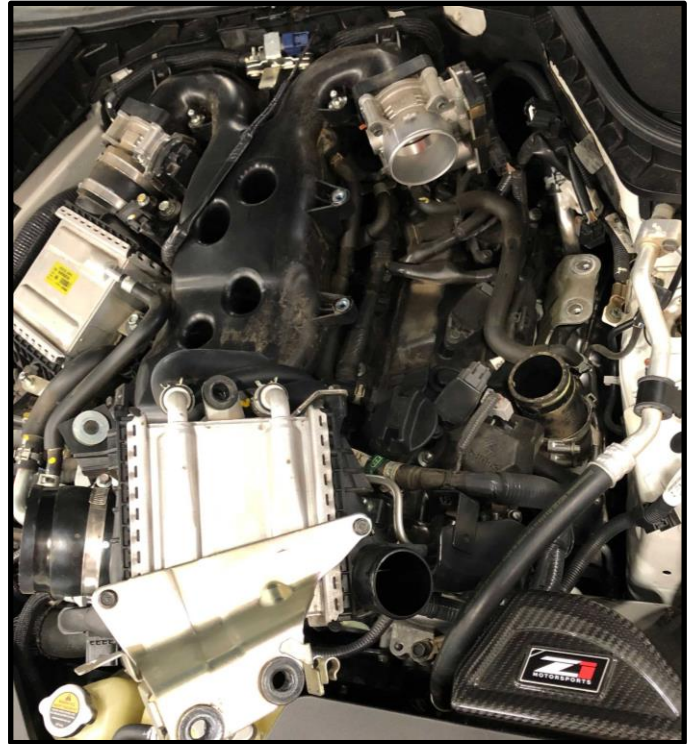
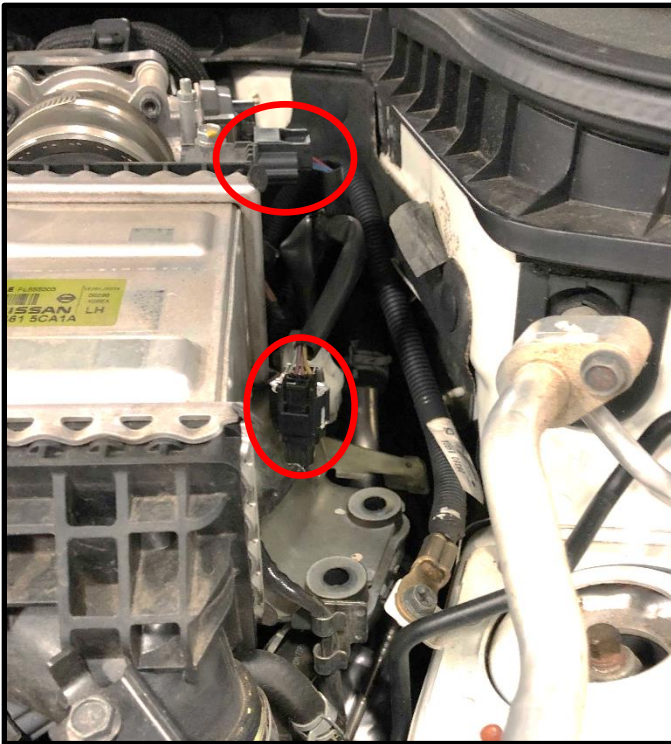
BEFORE YOU BEGIN:

Remove contents from the Z1 Motorsports Q50 / Q60 Baffled Oil Catch Can Kit and verify that ALL necessary hardware is present.

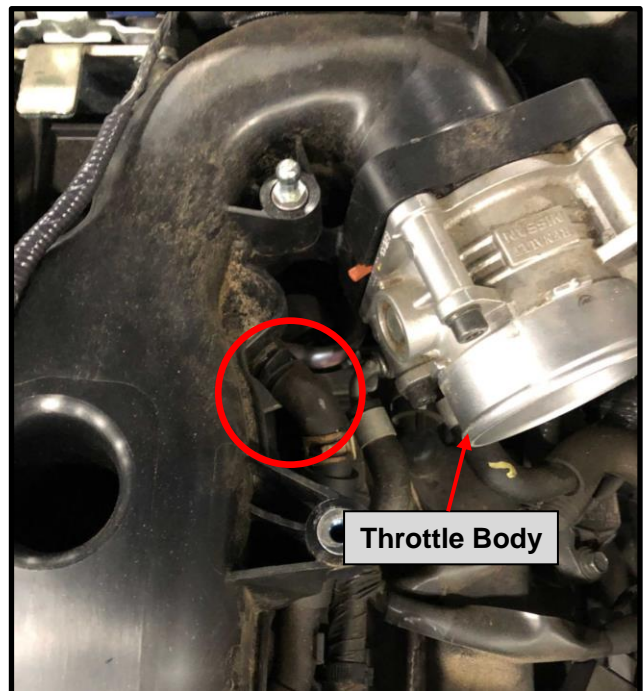
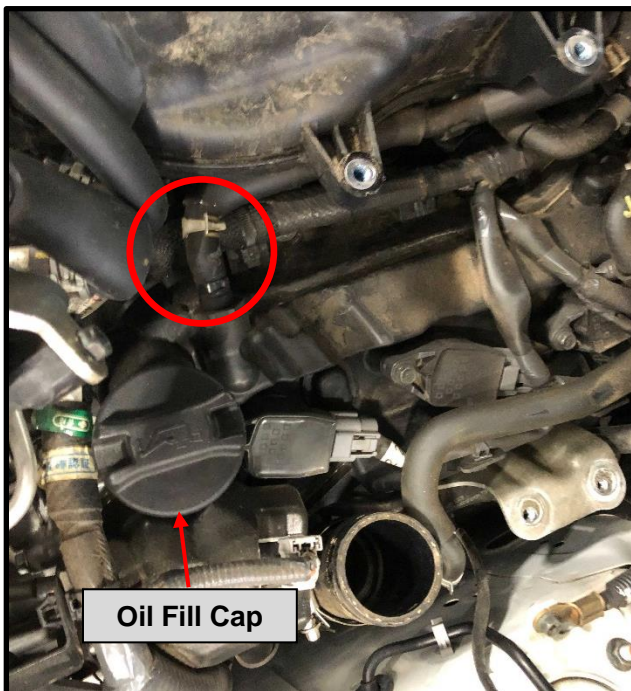
PROCEDURE:

1. Assure the car's ignition is in the OFF position and the NEGATIVE (-) battery terminal is disconnected.
2. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
3. Unlatch and raise vehicle's hood.
4. Remove the (4) bolts securing driver side intercooler to vehicle.

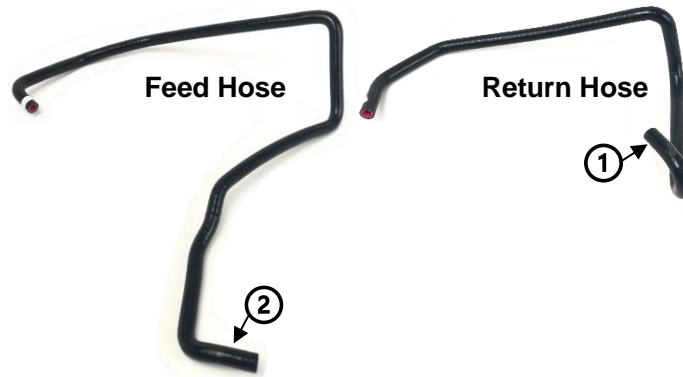
5. Disconnect the two electrical connectors located on driver side intercooler. Disconnect intercooler inlet pipe on bottom right corner of intercooler.
6. Loosen clamp at driver side throttle body. Rotate intercooler out of the way, towards the front of the vehicle.



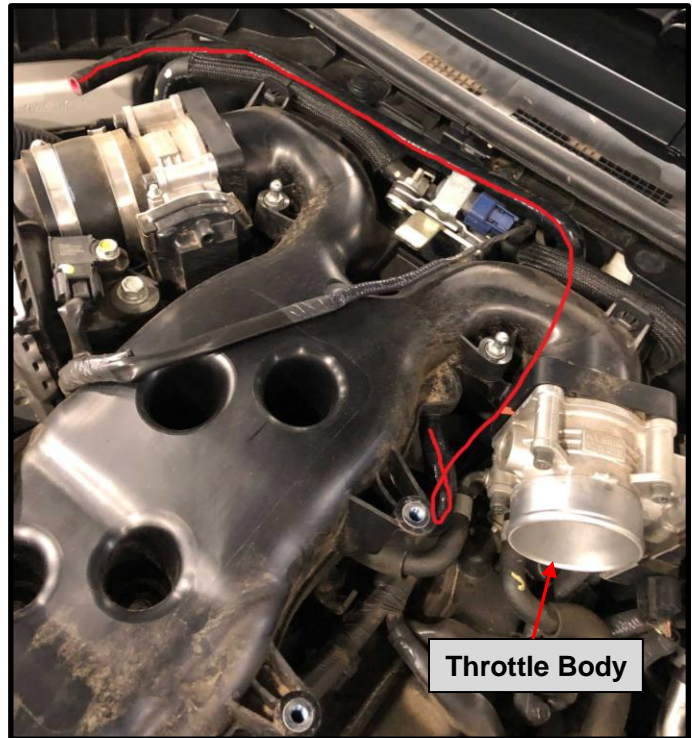
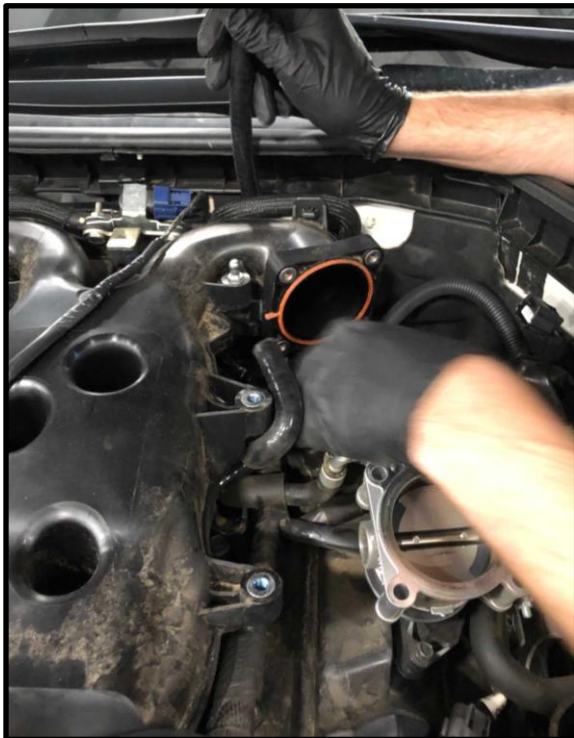
7. Disconnect factory PCV hose. It is attached at the front of the driver side valve cover (next to oil fill cap) and connects to the rear of the intake manifold (next to the driver side throttle body).



8. Locate new Z1 Catch Can Feed & Return hoses.

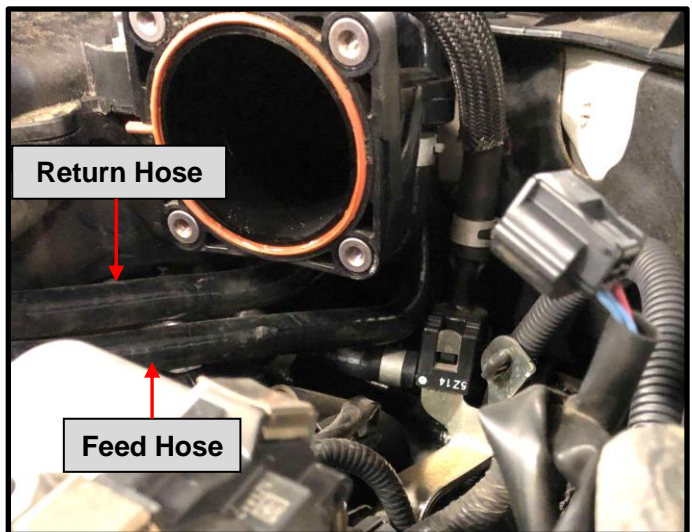


9. Route return hose underneath upper intake manifold towards the firewall (as shown). Attach front of return hose (labeled ① above) to port on intake manifold next to driver side throttle body. Secure with hose clamp.



10. Route feed hose also under intake manifold next to return hose. Attach front of feed hose (labeled ② above) to port on driver side valve cover where OEM hose was removed in step #7. Secure with hose clamp.

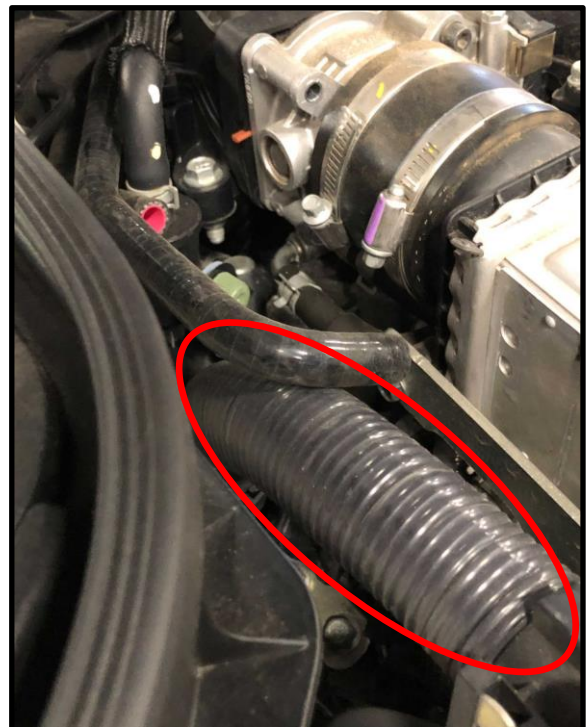
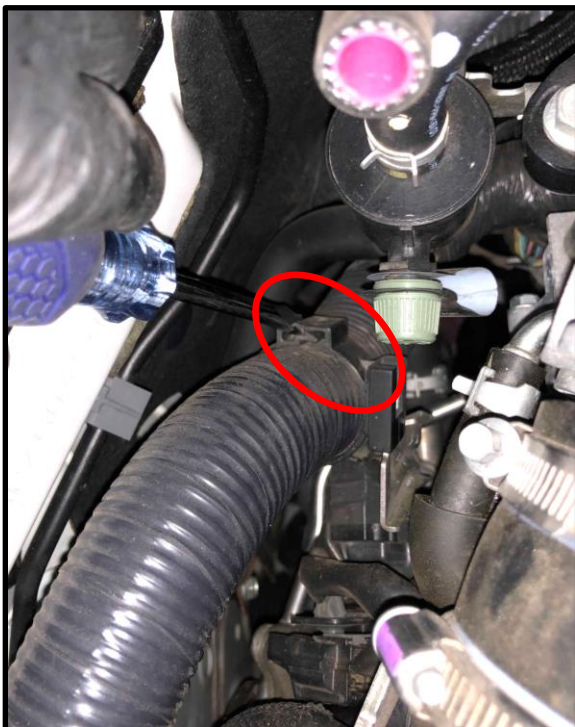
Note: Picture at right is shown with throttle body removed to show the routing of hoses. Removing the throttle body is not necessary but may provide easier access to route the hoses.



11. Locate Z1 Catch Can, catch can bracket, (3) M4 flat head socket cap screws, (2) banjo fitting barbs, (2) banjo fitting bolts, (4) crush washers, and the supplied 2.5mm Allen wrench.
12. Using the supplied 2.5 hex screwdriver and (3) M4 flat head screws, attach the catch can bracket to the Z1 Catch Can in the same orientation as shown at below.
13. Place a crush washer on each banjo fitting bolt. Then place each bolt through a banjo fitting barb. Place another crush washer on the end of each bolt. Thread a bolt into each slot on catch can (as shown). Do not tighten bolts yet.



14. The wiring harness to the left of the passenger side throttle body will need to be disconnected from its clip and pushed down and away from the throttle body to make room for the catch can.



15. Remove (2) bolts on left side of passenger side throttle body (circled at right).

Note: You may have to rotate the clamp at throttle body to access lower bolt.

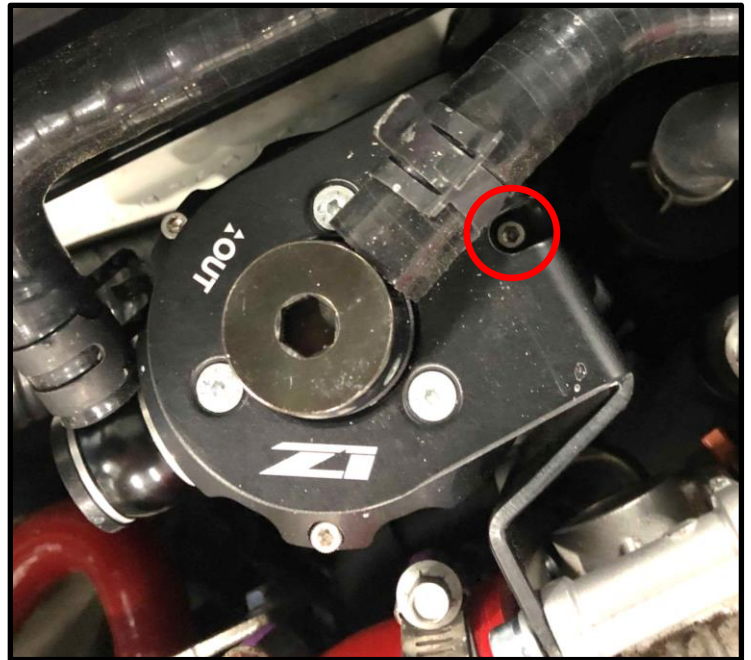


16. Attach catch can bracket to throttle body mounting holes using the supplied M6 x 55mm bolts.

17. Attach the return hose to the top banjo fitting barb. Secure with hose clamp.

Note: Assure the top banjo bolt is clocked so the hole on the top of the bracket is accessible (circled below)

18. Attach the feed hose to the front banjo fitting barb. Secure with hose clamp.



19. Using an 8mm Allen wrench tighten banjo fitting bolts.

20. Repeat steps #4 through #6 in reverse order to reattach driver side intercooler.

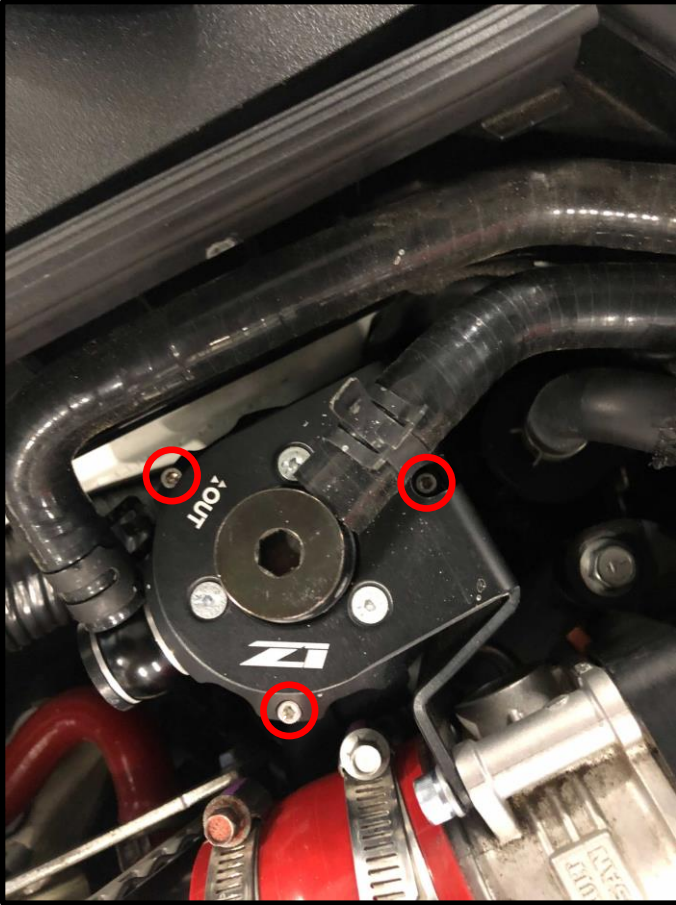
21. Assure all bolts and clamps are securely tightened. Inspect vehicle for loose components or issues.

END

Additional Technical Support:
Contact Z1 Motorsports at info@z1motorsports.com
Or call 770 838 7777 between 9am and 6pm ET

Drain Instructions

1. While supporting the bottom of the catch can, use the supplied 2.5mm ball-end hex screwdriver to unscrew the 3 outer bolts on the top of the Z1 Oil Catch Can.



2. Remove the bottom of the Z1 Oil Catch Can. Properly dispose of oil.
3. Reattach bottom of catch can.

