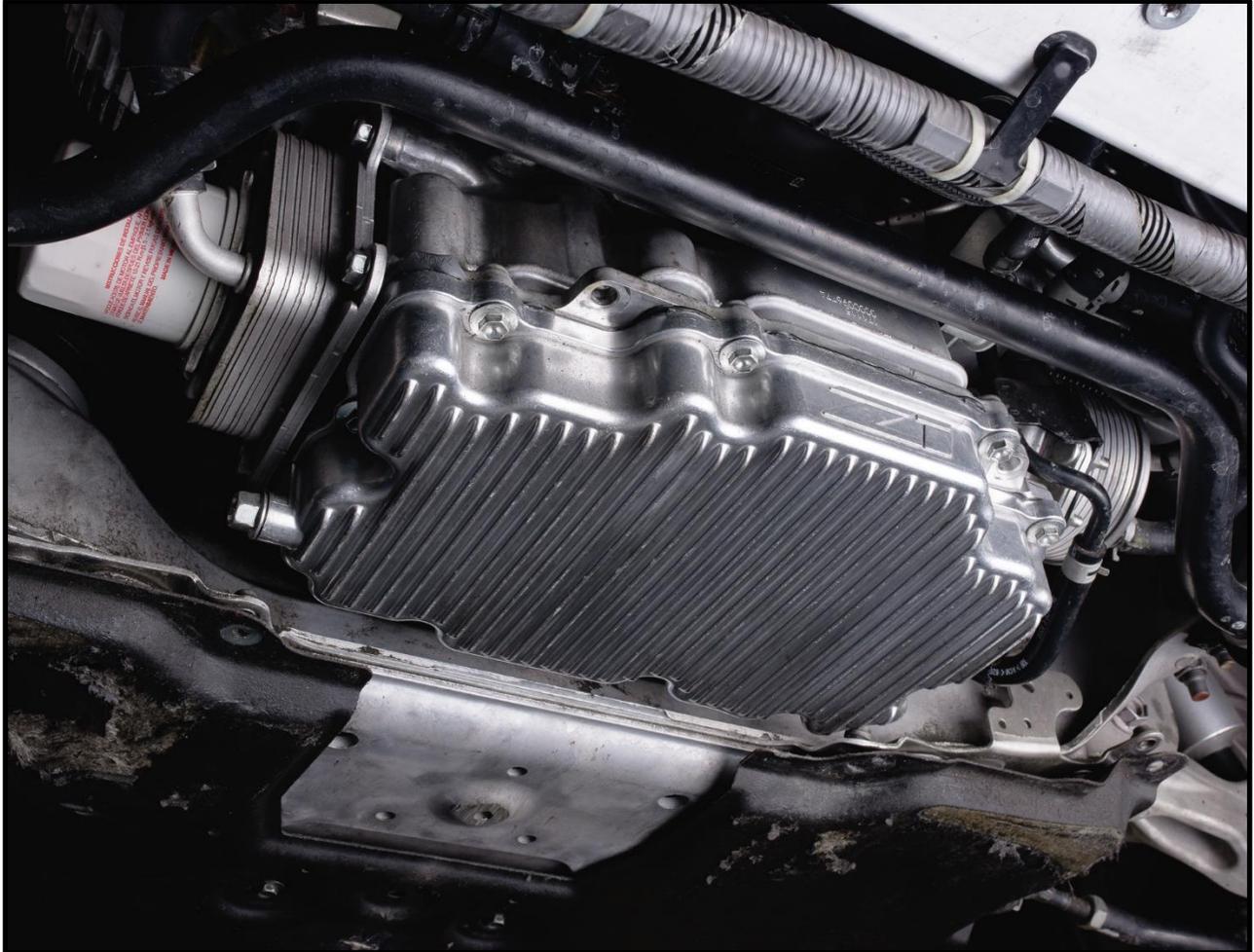


# Z1 VR30 ALUMINUM OIL PAN INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2016+	Infiniti Q50 (VR30)
2017+	Infiniti Q60 (VR30)
2023+	Nissan Z

## 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 VR30 Aluminum Oil Pan, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	Z1 Aluminum Oil Pan
2	1	1/8" NPT Plug
3	1	Oil Pan Gasket

## **TOOLS REQUIRED:**

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- 10mm Socket/Wrench
- 13mm Socket/Wrench
- Scraper/Razor Blade
- Oil Drain Pan

## **SAFETY REQUIREMENTS:**

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- 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.

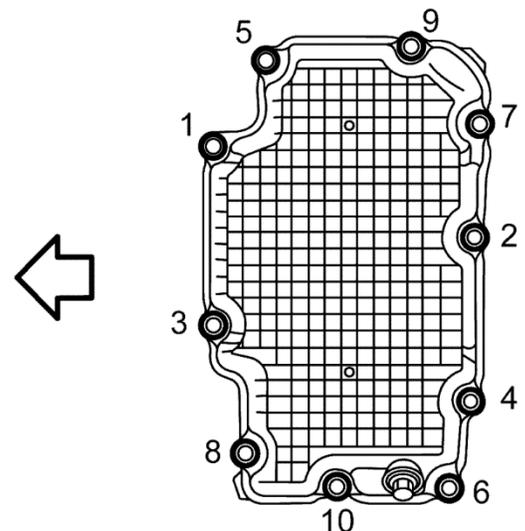
## **BEFORE YOU BEGIN:**

Remove contents from the Z1 Motorsports VR30 Aluminum Oil Pan Kit and verify that ALL necessary hardware is present.

## **PROCEDURE:**

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
3. Remove engine undershroud/undercover.
4. Remove drain plug from engine oil pan and drain oil into proper container.
5. Loosen (10) mounting bolts on OEM engine oil pan.
6. Remove mounting bolts.
7. Carefully remove engine oil pan from engine.
8. Use a scraper to remove old liquid gasket from mating surface, bolt holes, and bolt threads on engine.
9. Locate Z1 Aluminum Oil Pan. If you are not going to be using the 1/8" NPT port on the oil pan, locate (1) 1/8" NPT plug.
10. Apply Teflon tape to plug and install into oil pan.

Note: Be careful not to scratch or damage the mating surface when cleaning off old liquid gasket.



11. Locate (1) oil pan gasket. Install the gasket into the groove in the Z1 Aluminum Oil Pan
12. Position oil pan on bottom of engine. Loosely thread in the (10) M6 bolts removed in step #6.

**13. Tighten mounting bolts in two stages in numerical order as shown in image on pg. 2. Failure to torque bolts will result in a leaking oil pan.**

**Stage 1: Torque bolts to 26in-lbs (2.16ft-lbs).**

**Stage 2: Torque bolts to 74in-lbs (6.16ft-lbs).**

14. With a new drain plug washer, install drain plug in Z1 Baffled Aluminum Oil Pan. Torque drain plug to 25ft-lbs.
15. Refill engine with oil.
16. Completed installation of the Z1 HR/VHR Baffled Aluminum Oil Pan should look as shown:



17. Reinstall engine undershroud.
18. Inspect vehicle for loose tools/items
19. Start vehicle. While at idle, check for leaks or faulty operation of Z1 Baffled Aluminum Oil Pan.
20. Properly Lower vehicles from jack stands.
21. Perform a final test drive of vehicle.

**END**

**Additional Technical Support:**

Contact Z1 Motorsports at [info@z1motorsports.com](mailto:info@z1motorsports.com)

Or call 770-838-7777 between 9am and 6pm ET