

# Z1 AWD VR OIL PAN INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2016+	Infiniti Q50 (AWD)
2017+	Infiniti Q60 (AWD)

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

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	Oil Pan
2	1	Oil Pan Gasket

## **TOOLS REQUIRED:**

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Wrenches
- Assorted Metric Sockets
- in-lbs Torque Wrench

## **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.

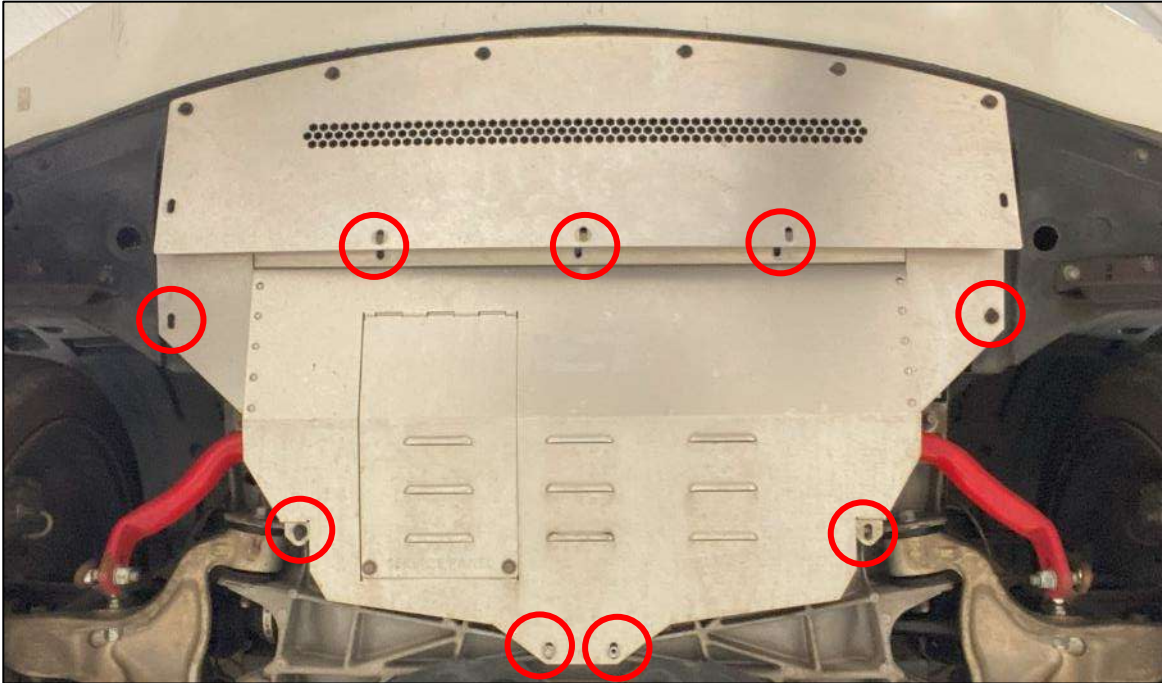
## **BEFORE YOU BEGIN:**

Remove contents from the Z1 Motorsports AWD VR Oil Pan and verify that ALL necessary hardware is present.

It is recommended to install this product during an oil change, as it will require draining the engine oil for installation.

## **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 the vehicle using a jack and jack stands.
3. Remove the Engine Undershroud if applicable. *Figure 1.*



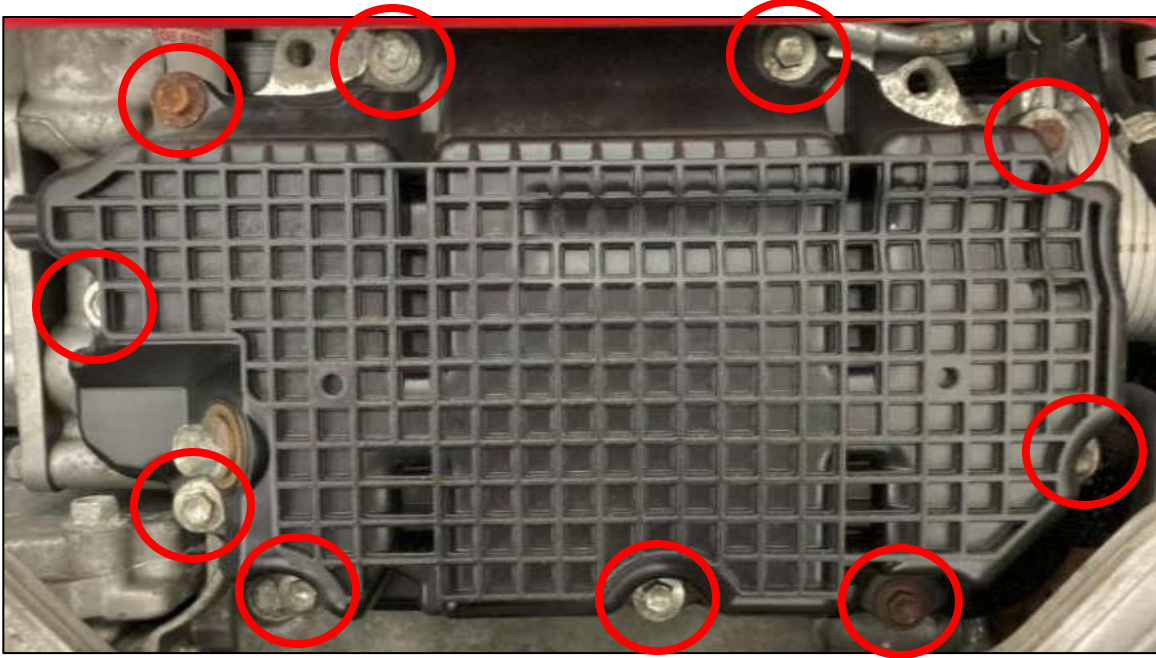
*Figure 1*

4. Remove the Drain Plug on the Oil Pan, drain and collect engine oil.
5. While oil is draining, remove the (4) four bolts securing the Front Sway Bar Brackets. The Sway Bar needs to be moved to access all of the bolts on the Oil Pan. *Figure 2.*



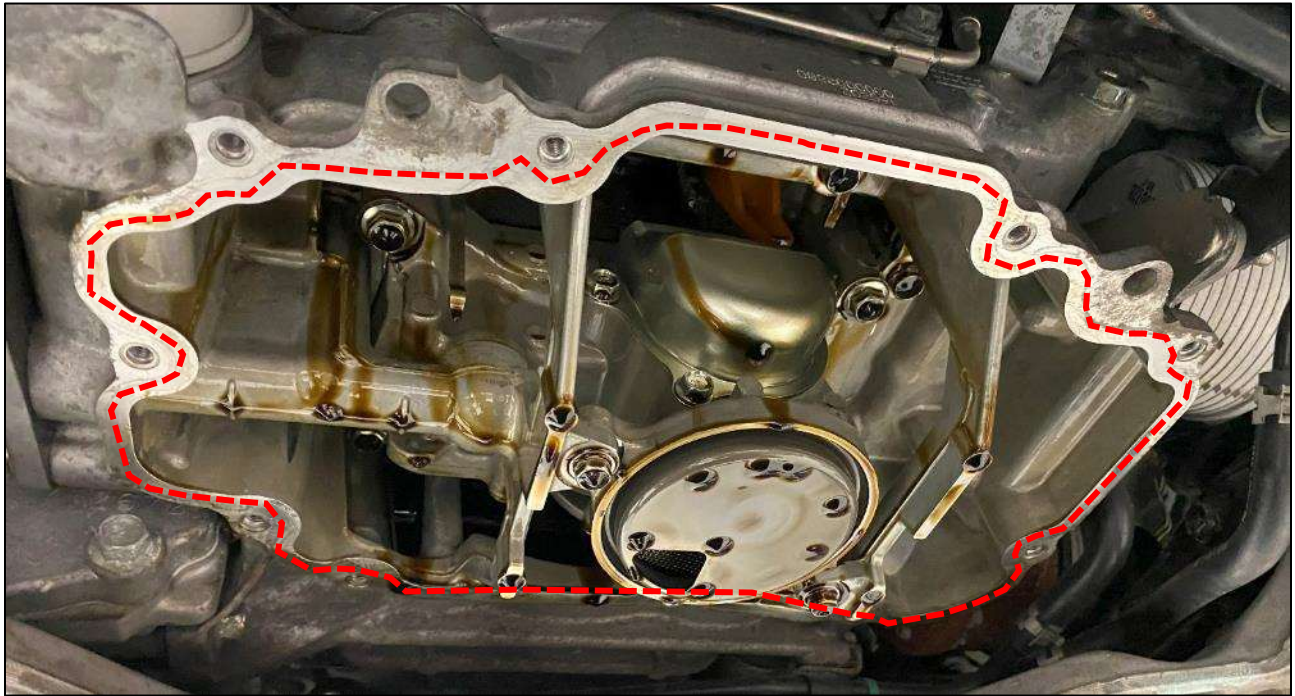
*Figure 2*

6. Once done draining, remove the (10) ten bolts that secure the OE Oil Pan to the Engine, and remove the OE Oil Pan. The OE Oil Pan will still contain oil, be careful not to spill any. *Figure 3.*



*Figure 3*

7. Wipe up any excess oil on the mating surface for the Oil Pan, it must be clean for the new Oil Pan Gasket to seat properly. *Figure 4.*



*Figure 4*

8. Locate the new Z1 Oil Pan and Oil Pan Gasket. Install the Gasket into the Oil Pan.
9. Position the Z1 Oil Pan into position on the engine, loosely secure with the hardware removed in *Step 5*. *Figure 5*.

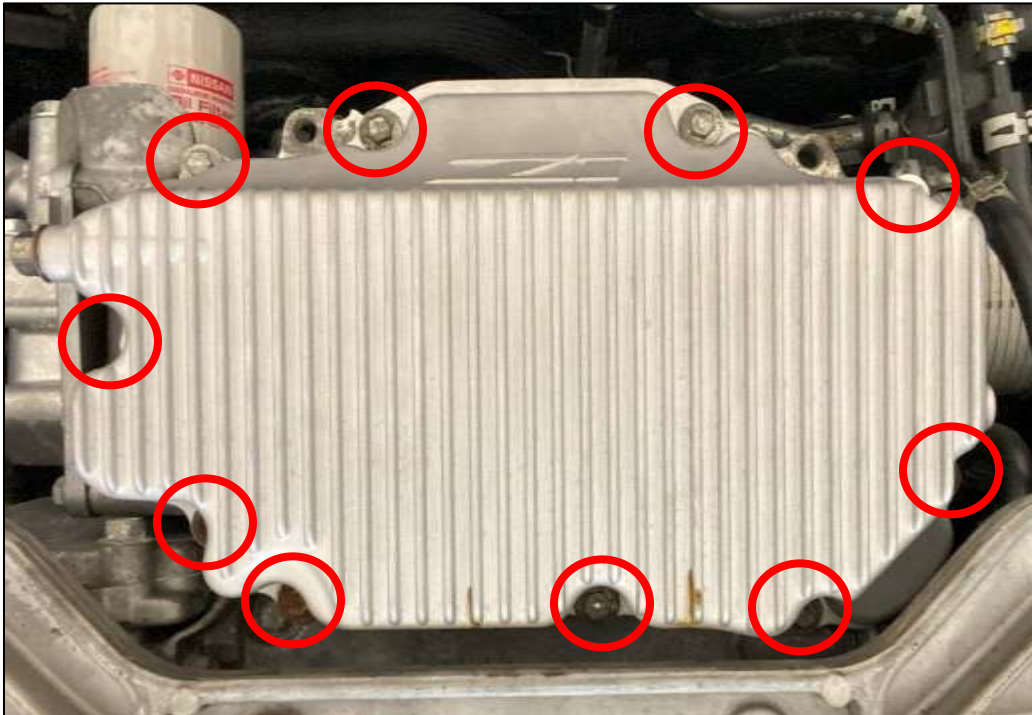


Figure 5

10. Tighten the (10) ten bolts in two sequences in the order shown below. Torque the bolts to **2.96 N·m**, or **26 in-lbs** for the first pass, then torque them to **8.33 N·m**, or **74 in-lbs** for the second pass. *Figure 6*.

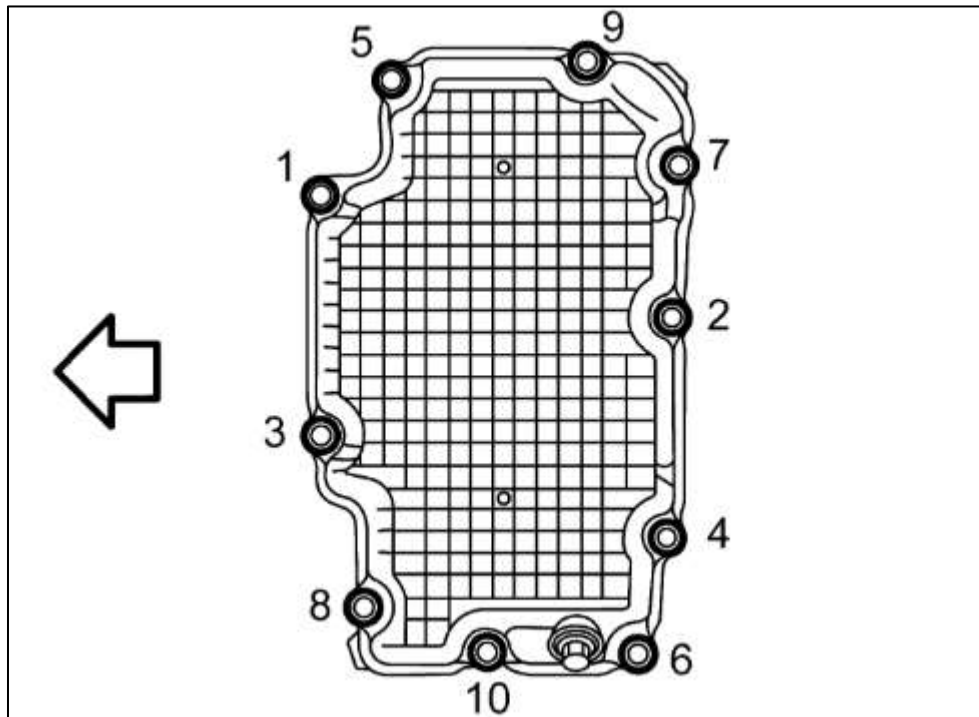


Figure 6

11. Install the Oil Drain Plug with Drain Plug Washer. Torque to **24 ft-lbs.**
12. If you are performing an Oil Change, change the Oil Filter.
13. Reconnect the Sway Bar Brackets to the Chassis. Torque to **38 ft-lbs.** *Figure 7.*



*Figure 7*

14. Fill the Engine with oil according to Owner's Manual. The Z1 Oil Pan gives slightly more Oil Capacity over the OE Oil Pan. We used 5 Quarts total.
15. Check Oil Level on dipstick. Add Oil if necessary.
16. Inspect the Oil Pan for leaks.
17. Properly lower the vehicle from jack stands.

**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