

# Z1 9AT TRANSMISSION COVER SHIELD INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2020+	Nissan Frontier
2020+	Nissan Titan

## 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 Off-Road 9AT Transmission Cover Shield, consult with a Professional Mechanic, or contact Z1 Off-Road for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	Main Panel
2	1	Service Panel
3	2	M6 x 1.0 Steel Flange Bolt, 10mm
4	5	Snap-In Rubber Grommet
5	3	M6 Washer

## **TOOLS REQUIRED:**

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets
- Assorted Metric Wrenches
- Torque Wrench
- E10 Socket

## **SAFETY REQUIREMENTS:**

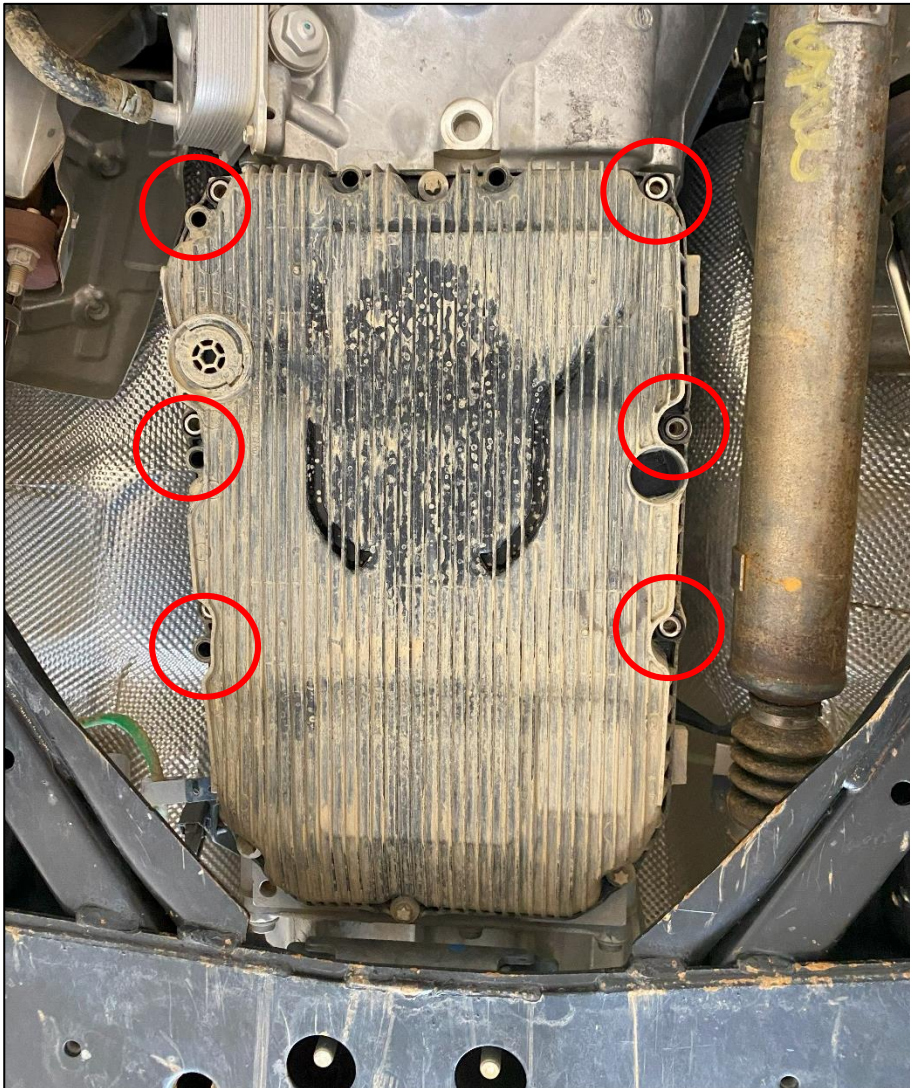
- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Always turn the ignition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

## **BEFORE YOU BEGIN:**

Remove contents from the Z1 Off-Road 9AT Transmission Cover Shield 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. Locate the Transmission Pan. Remove the (6) six bolts securing the Transmission Pan circled in *Figure 1* below, retain this hardware. The Transmission Pan bolts need an E10 Socket for removal, however an 8mm will work if absolutely necessary.



*Figure 1*

4. Locate the Z1 Transmission Cover Shield. Remove the (5) five rubber grommets and the (1) one M6 bolt securing the Service Panel to the Transmission Cover Shield.
5. Position the Z1 Transmission Cover Shield over the Transmission Pan. Using the (6) six Transmission Pan bolts removed in *Step 3*, secure the Transmission Cover Shield to the Transmission Pan. Torque to 70 in-lbs. *Figure 2.*

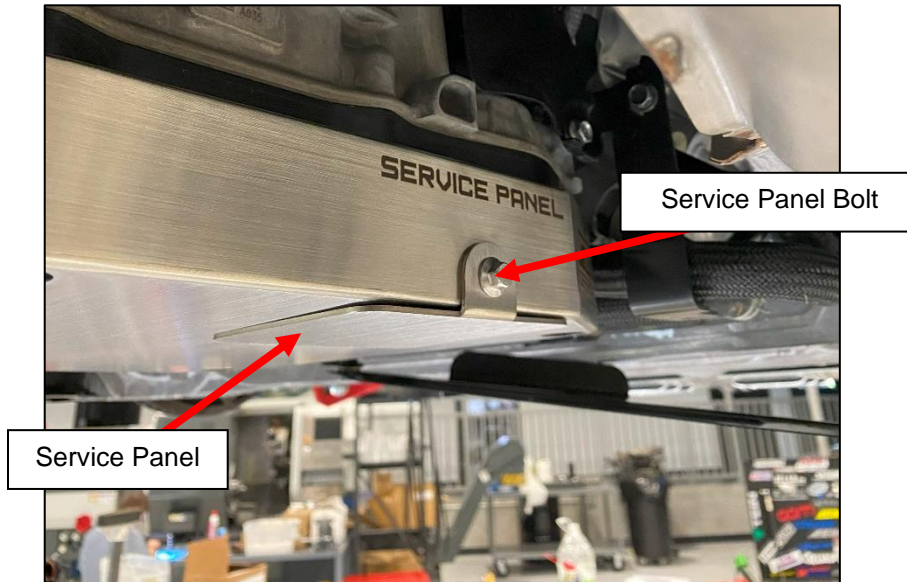
**NOTE:** The Figure below shows the Transmission on a Nissan Z, the process is still the same for other vehicles.



*Figure 2*



6. Locate the Transmission Service Panel and the (1) one M6 bolt removed in *Step 4*. Reinstall them onto the Z1 Transmission Cover Shield. *Figure 3*.



*Figure 3*

7. Reinstall the (5) five Rubber Grommets removed in *Step 4*.

**NOTE:** The (3) three M6 Washers will not be used, these Washers are for the Nissan Z, as this Transmission Cover Shield works for that as well.

8. Safely lower vehicle from jack stands.
9. Take your car for a test drive.

**END**

**Additional Technical Support:**  
Contact Z1 Off-Road at [info@z1offroad.com](mailto:info@z1offroad.com)  
Or call 678-839-8019 between 9am and 6pm ET