

# Z1 NISSAN 9AT TRANSMISSION SERVICE TOOL INSTALLATION MANUAL

**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 9AT Transmission Service Tool, consult with a Professional Mechanic, or contact Z1 Motorsports for more information.

## PARTS INCLUDED:

Item	Quantity	Description
1	1	Drain Plug Remover
2	1	Overflow Tube Adjuster
3	1	Quick Connect Adapter
4	1	Quick Connect

## TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Drain Pan
- Fluid Pump

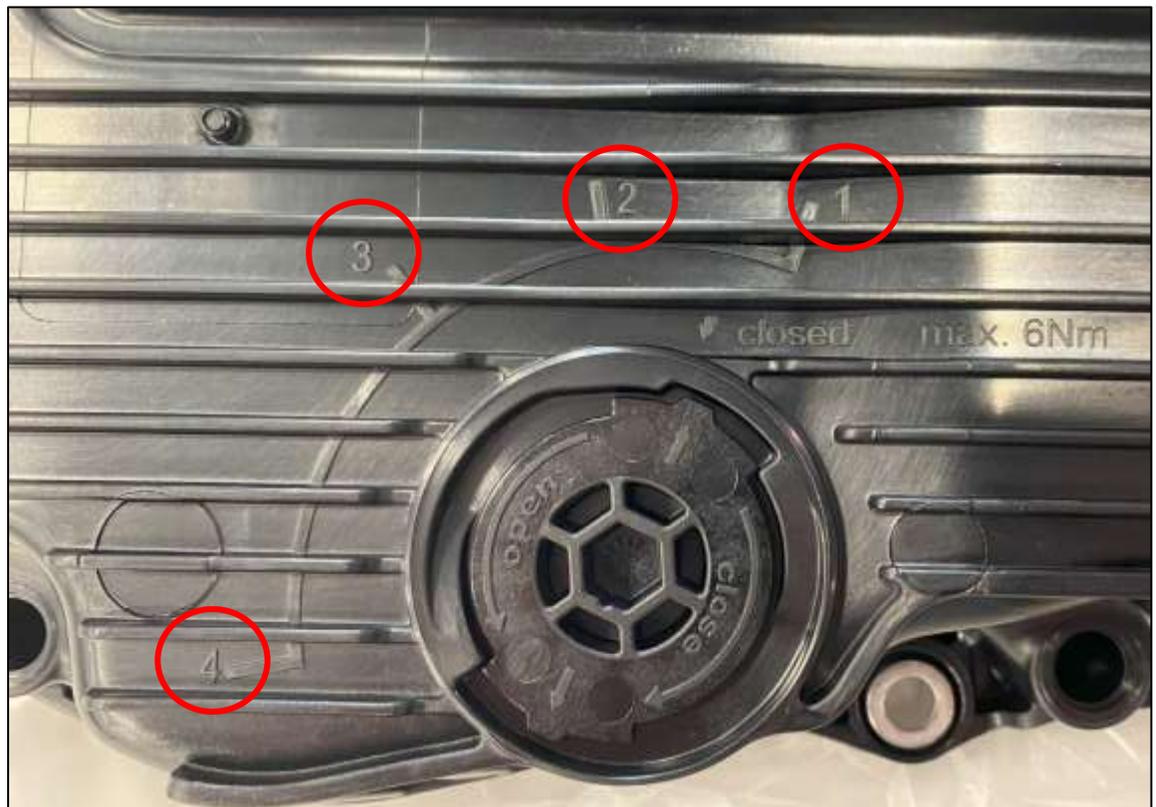
## SAFETY REQUIREMENTS:

- 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 9AT Transmission Service Tool and verify that ALL necessary hardware is present. The Oil Pan will have the Numbers 1-4 labeled on it as shown below and are necessary when servicing the Transmission.

1	Closed
2	Drain
3	Overflow
4	Slow Drain



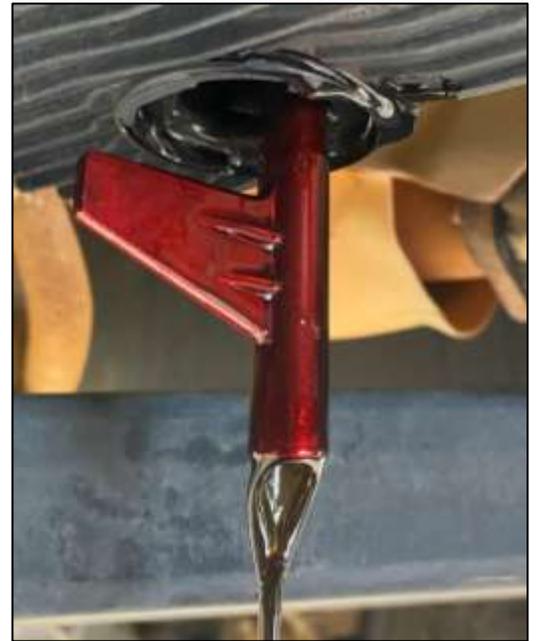
## **PROCEDURE:**

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Locate the proper jacking points on the vehicle's chassis (refer to the Vehicle's Owner's Manual). Raise and support the vehicle using a jack and jack stands.
3. Depending on your vehicle, you may have an OE Skid Plate that will need to be removed to provide access to the Oil Pan.
4. Locate the Drain Plug Removal Tool. Insert it into the Drain Plug and turn counterclockwise to remove the Drain Plug. *Figure 1.*



*Figure 1*

5. Locate the Overflow Tube Adjuster. Insert it into the Drain Plug. There is a small tab that must be lined up with the notch in the Oil Pan. The Flag should point towards **1 (CLOSED)** on the Oil Pan.
6. Prepare a drain pan and turn the Overflow Tube Adjuster until the Flag points towards **2 (DRAIN)**. Once turned, Transmission Fluid will drain out. *Figure 2.*



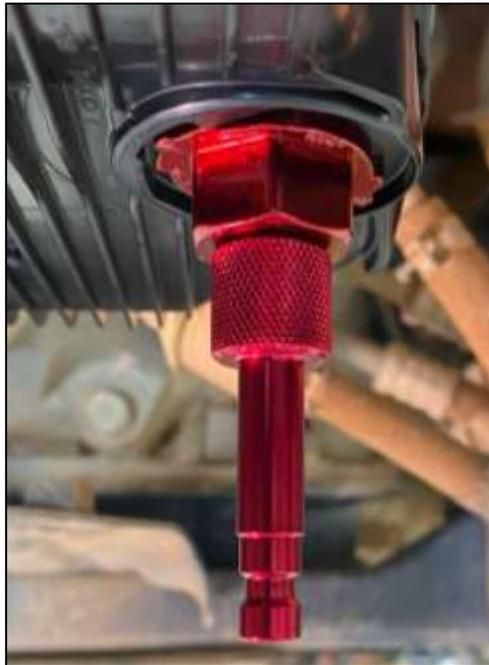
*Figure 2*

7. If you are planning on changing the Oil Pan, do so at this point.
8. Turn the Overflow Tube Adjuster until the Flag points towards **3 (OVERFLOW)**. *Figure 3.*



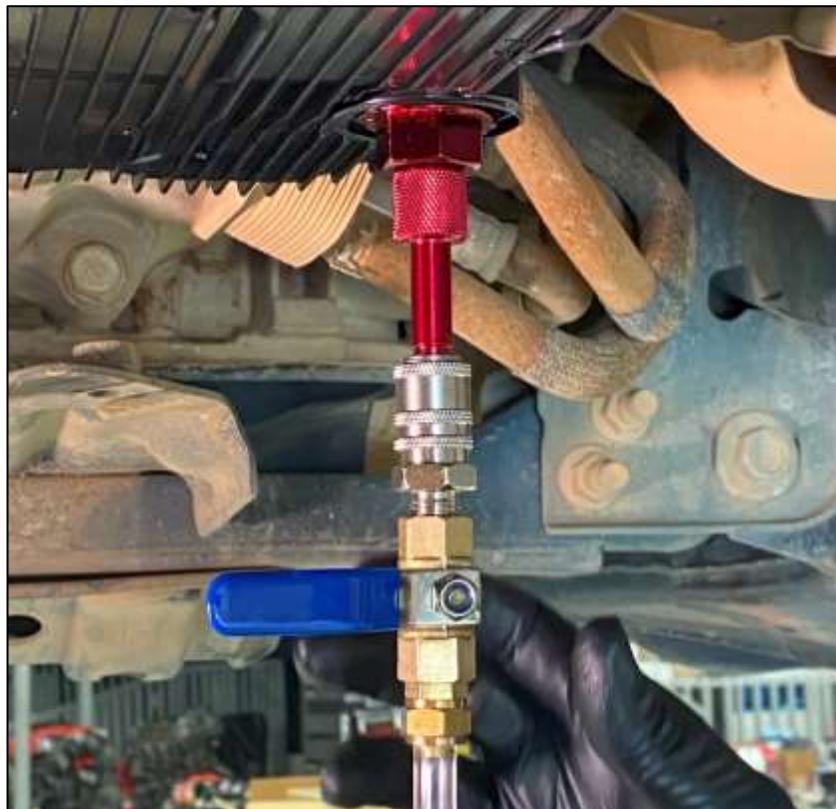
*Figure 3*

9. Remove the Overflow Tube Adjuster from the Oil Pan.
10. Locate the Quick Connect and Quick Connect Adapter. Thread the Adapter into the Quick Connect and install the Adapter end into the Oil Pan where the Drain Plug goes. *Figure 4.*



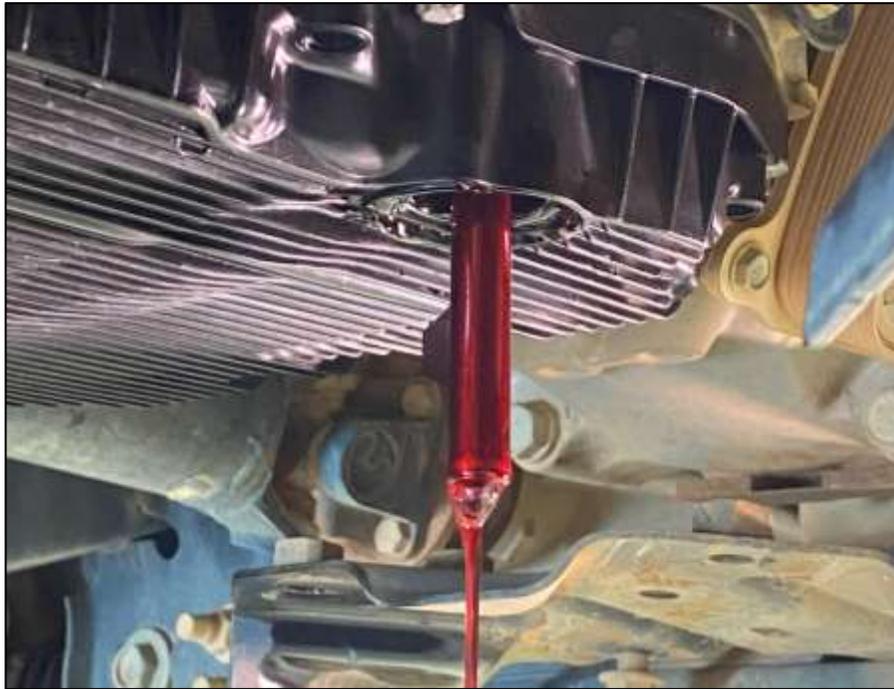
*Figure 4*

11. Using a Fluid Pump, pump ATF Fluid (we started with ~4 Quarts) into the Drain Pan. *Figure 5.*



*Figure 5*

12. Remove the Quick Connect from the Oil Pan. If no fluid drains out, repeat Steps 10-12 until a small amount of ATF starts draining out of the vehicle, this indicates that the Fluid Level is correct. *Figure 6.*



*Figure 6*

13. Insert the Overflow Tube Adjuster and turn it so that the Flag points towards **1 (CLOSED)**. *Figure 7.*



*Figure 7*

14. Reinstall the Oil Drain Plug using the Drain Plug Removal Tool.
15. Start the vehicle and check for leaks. Allow the vehicle to idle for ~3 minutes or until the Transmission Fluid temperature reaches 122° F. After time/temperature is reached, turn off the vehicle.

16. If you are doing a complete flush of the Transmission, repeat *Steps 4-15*. A lot of old fluid will be contained in the Torque Converter and will need to be drained. Once repeated, continue to *Step 17*.
17. Check the fluid level by removing the Drain Plug and repeating *Steps 8-13*. Fill with ATF as necessary until it starts to slowly drain, then turn the Adjuster to **1 (CLOSED)** and reinstall the Drain Plug.
18. Reinstall any underbody components that were removed.
19. Take vehicle for a test drive.

**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