

Z1 VR30 HOTBOX PERFORMANCE TUNER 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 Hotbox Performance Tuner, consult with a Professional Mechanic, or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Hotbox Tuner
2	1	Wiring Harness
3	1	Mounting Bracket
4	3	M4 X 6mm Screw

TOOLS REQUIRED:

- Ratchet
- Ratchet Extension(s)
- Assorted Metric Wrenches
- Assorted Metric Sockets
- Philips Head Screwdriver

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 Hotbox Performance Tuner 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. Raise and support the hood of the vehicle.
3. Disconnect the (-) **NEGATIVE** terminal of the Battery.
4. Remove the (1) one bolt on the driver's side of the engine. For **Q50/Q60** owners, remove the Fender to Chassis bolt circled below on left. For **Z** owners, remove the bolt securing the Fuse Box to the chassis, shown below at right. *Figure 1*.



Figure 1

5. Locate the Hotbox Tuner and Mounting Bracket. Remove the (3) three M4 screws on the bottom side of the Hotbox Tuner.

6. Attach the Mounting Bracket to the bottom of the Hotbox Tuner with the (3) three M4 Screws. Don't tighten the screws all the way, as you will most likely want to clock the Hotbox slightly. *Figure 2.*



Figure 2

7. Position the Hotbox and Bracket onto the mounting hole where the bolt was removed in *Step 3*. The Mounting Bracket's Holes are slotted to allow some rotation of the Hotbox. Adjust the Hotbox as necessary to fit your vehicle. Once a position is determined, tighten the (3) three M4 Screws to secure the Hotbox to the Bracket. *Figure 3.*



Figure 3

8. Install the Mounting Bracket to the vehicle and secure with the OE Bolt removed in *Step 3*.
9. Locate the Wiring Harness. Connect the main 12-Pin Connector to the Hotbox Connector.
10. Route the rest of the Wiring Harness towards the back of the engine. *Figure 4*.
11. Route the shorter end of the Wiring Harness to the rear of the Driver Side Intercooler and the longer end to the Passenger Side Intercooler. *Figure 4* below is shown on a Q50, but the routing is the same for both Q60 and Z.

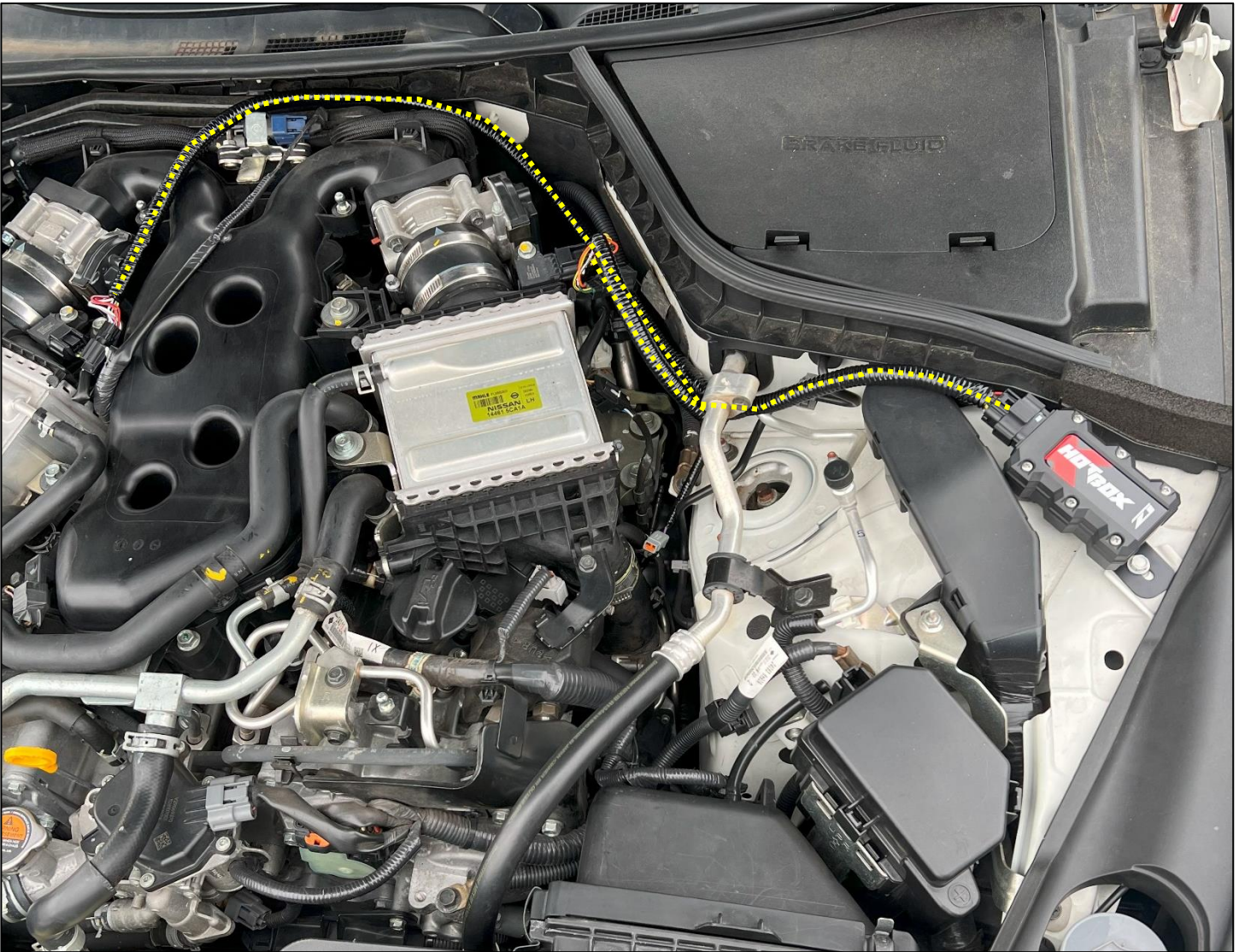


Figure 4

12. Disconnect the OE Connectors from each MAP Sensor on the back of the Intercoolers.

13. Connect the male ends of the Z1 Wiring Harness to the OE MAP Sensor Harness. *Figure 5.*

14. Connect the female ends of the Z1 Wiring Harness to the OE Map Sensors. *Figure 5.*

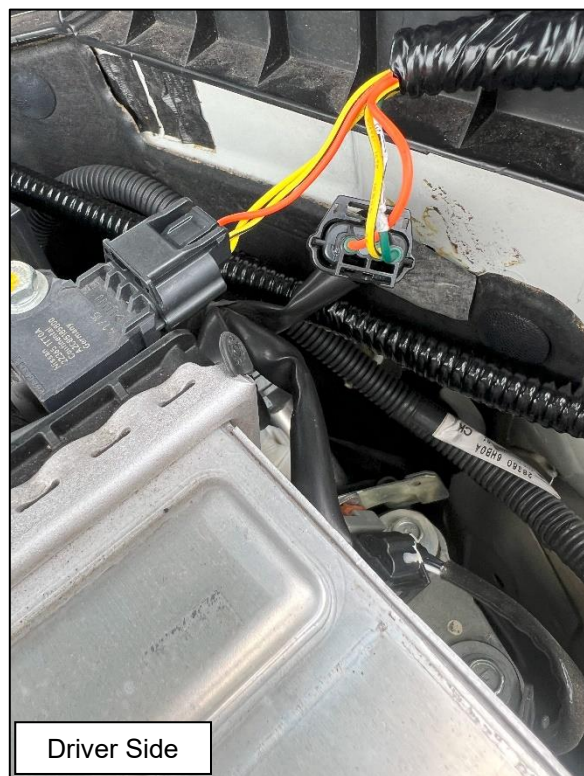


Figure 5

NOTE: The Male Expansion Plug circled below will not be used and can be secured out of the way with a zip tie. *Figure 6.*



Figure 6

15. Ensure all electrical connectors are secure and the mounting bolt for the Bracket is tight.
16. Reconnect the (-) **NEGATIVE** terminal of the battery.
17. Lower the hood of the vehicle.
18. Perform a test drive of the vehicle.

END

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