

Z1 VQ35DE ENGINE HARNESS COVER INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2003-2006	Nissan 350Z
2003-2006	Infiniti G35 Sedan
2003-2007	Infiniti G35 Coupe

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 VQ35DE Engine Harness Cover, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Engine Harness Cover Panel
2	2	Engine Harness Cover Brackets
3	2	M4-0.7 x 12mm Stainless Steel Screw
4	2	M4 Countersunk Stainless Steel Washer
5	2	M6-1.0 Flanged Nut

TOOLS REQUIRED:

- Ratchet
- Ratchet Extension(s)
- 10mm Socket/Wrench
- 14mm Socket/Wrench
- E6 Socket (external star)
- 2.5mm Allen/Hex Drive
- Pliers

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 keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

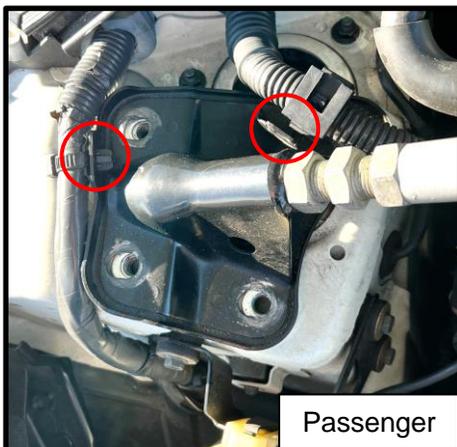
Remove contents from the Z1 Motorsports VQ35DE Engine Harness Cover and verify that ALL necessary hardware is present.

PROCEDURE:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Unlatch and raise vehicle's hood. Apply hood prop.

Steps 3-6 only apply to vehicles with an engine cover present.

3. Remove the (3) bolts and (1) nut on each side of the strut tower brace securing it to the vehicle.
4. Using pliers disconnect the plastic clips securing the wiring harness to the strut tower brace brackets.

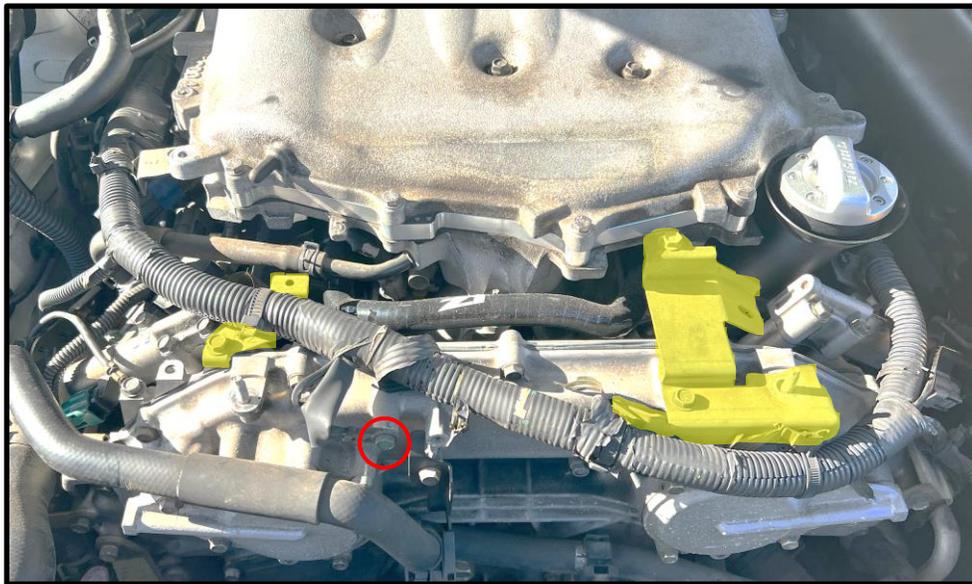


5. Remove the strut tower brace and set aside.
6. Remove (2) bolts and (2) nuts on engine cover. Remove engine cover.



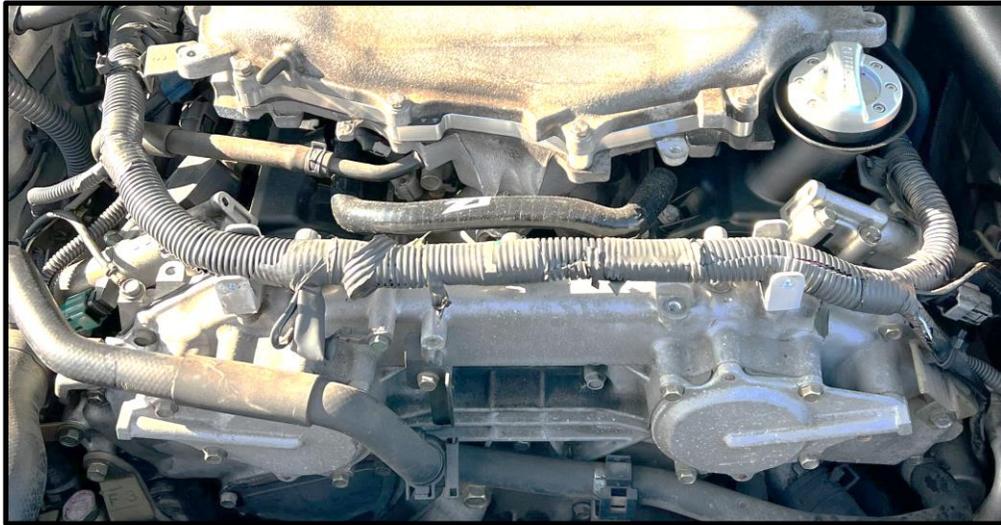
The following steps were created assuming all OEM brackets and all OEM fasteners are still present. We have found on many vehicles that some or all of these components are missing or have been swapped out over the years. If you are missing any components, refer to the last page of this guide for tips.

7. Remove the bolt securing the ground wire to the front cover (circled below).
8. Remove the bolts in both brackets that the engine harness clips into (highlighted in yellow). Remove the brackets.

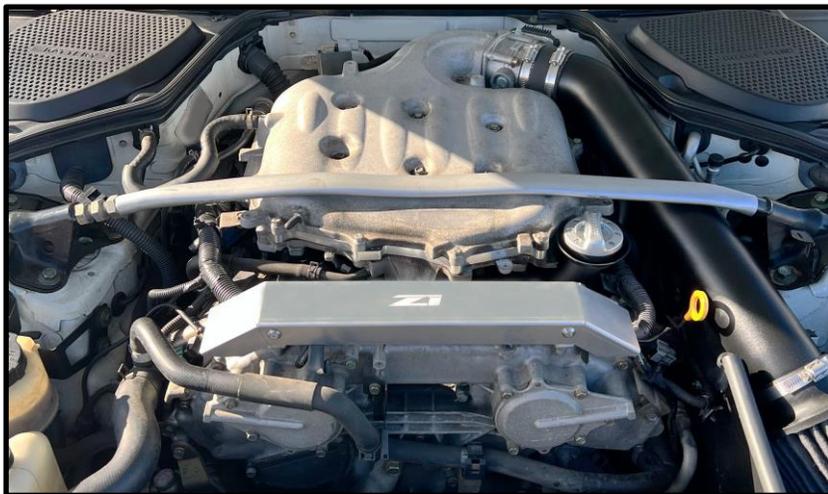


9. Using pliers, remove the zip tie clips from the brackets.
10. Cut the zip tie clips and remove them from the harness.
11. Locate (2) Z1 brackets and (2) M6 flanged nuts.

12. Place a Z1 bracket over each stud on the top of the front cover making sure the side with the mounting hole and PEM nut are facing the front (as shown below). Secure with (1) supplied flanged nut.
13. Position engine harness inside the bracket (as shown below).



14. Reconnect the ground wire that was removed in step #7.
15. Position cover panel onto brackets. Secure panel to brackets with the supplied M4 screws and countersunk washers on each side (as shown below).



16. Reattach the strut tower brace.
17. Reattach the wiring harness clips to the strut tower brace brackets on each side.
18. Inspect vehicle for loose components or issues.
19. Lower hood of vehicle.
20. Perform a final test drive of vehicle.

END

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

Instructions for missing components:

- Missing engine cover but both studs on the top of the front cover are present:
 - No changes are necessary. Use the supplied flanged nuts to secure the Z1 brackets to the studs.
- Missing studs on the top of the front cover but both factory harness brackets are present:
 - Use the bracket bolts removed in step #8 to secure the Z1 brackets to the engine using the threaded mounting holes circled below.



Note: The picture above shows the mounting holes with the factory studs installed.

- Missing factory studs, factory brackets, and bracket bolts:
 - Use any spare M6-1.0 studs or bolts (~10-20mm in length) you have available.