

# Z1 Z CARBON FIBER ENGINE COVER INSTALLATION MANUAL



This Installation Manual is intended for the following models:

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 Z Carbon Fiber Engine Cover, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	Z1 Badge
2	1	Z1 Z Carbon Fiber Engine Cover – Front Piece
3	1	Z1 Z Carbon Fiber Engine Cover – Rear Piece

## **TOOLS REQUIRED:**

- Ratchet
- 14mm Socket
- 4mm Hex Bit/Allen Wrench
- Silicone Spray

## **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 Z Carbon Fiber Engine Cover and verify that ALL necessary hardware is present.

## **PROCEDURE:**

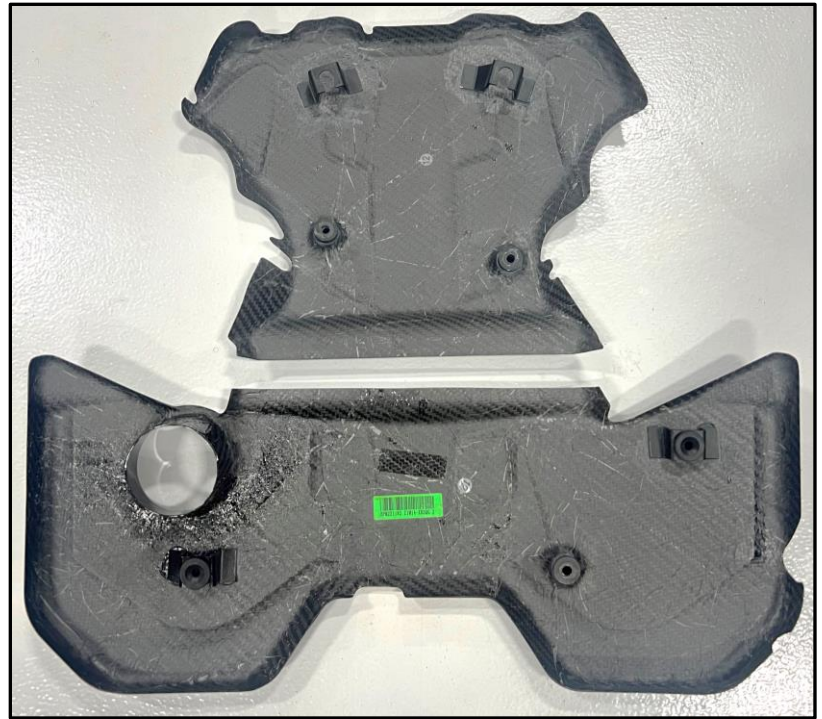
1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Unlatch and raise vehicle's hood. Apply hood prop.
3. Remove the (2) bolts and (1) nut on each side of the vehicle securing the factory strut bar, then remove the strut bar and set aside.
4. Remove the (3) screws securing the factory engine cover to the engine (shown below).



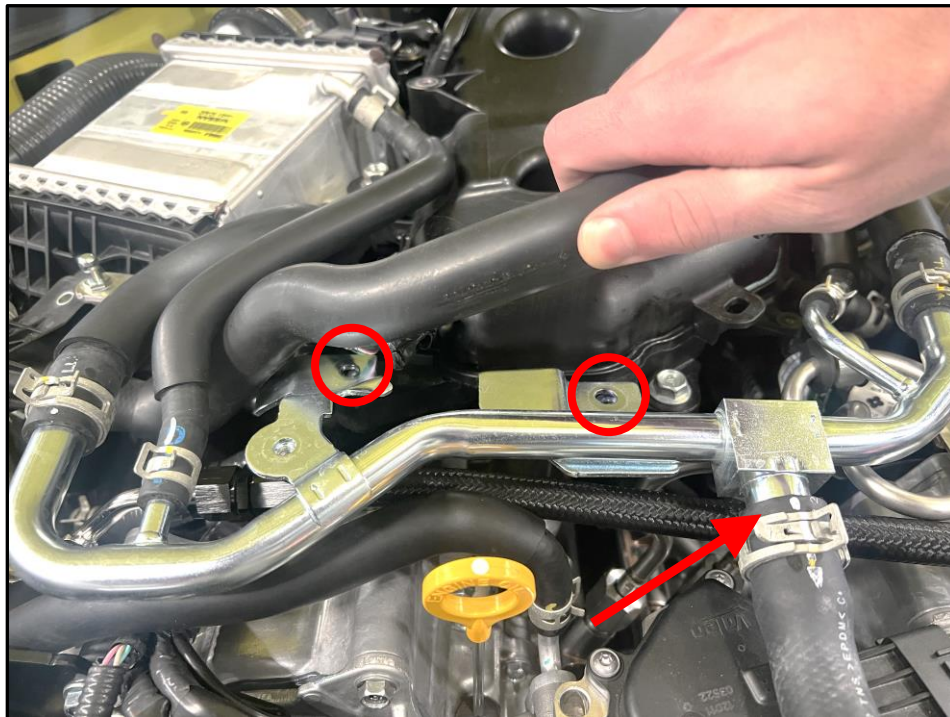


5. Lift up on the factory engine cover to unseat it from the rubber grommets and remove it from the vehicle.
6. Remove the rubber grommets on the backside of the factory engine cover.
7. Locate both pieces of the Z1 Carbon Fiber Engine Cover. Transfer grommets to the brackets on the backside of the Z1 engine cover (shown at right).

Note: The front section shown in the image at the right has the grommets installed, while the rear section is just the brackets. Make sure to transfer grommets to all four brackets.

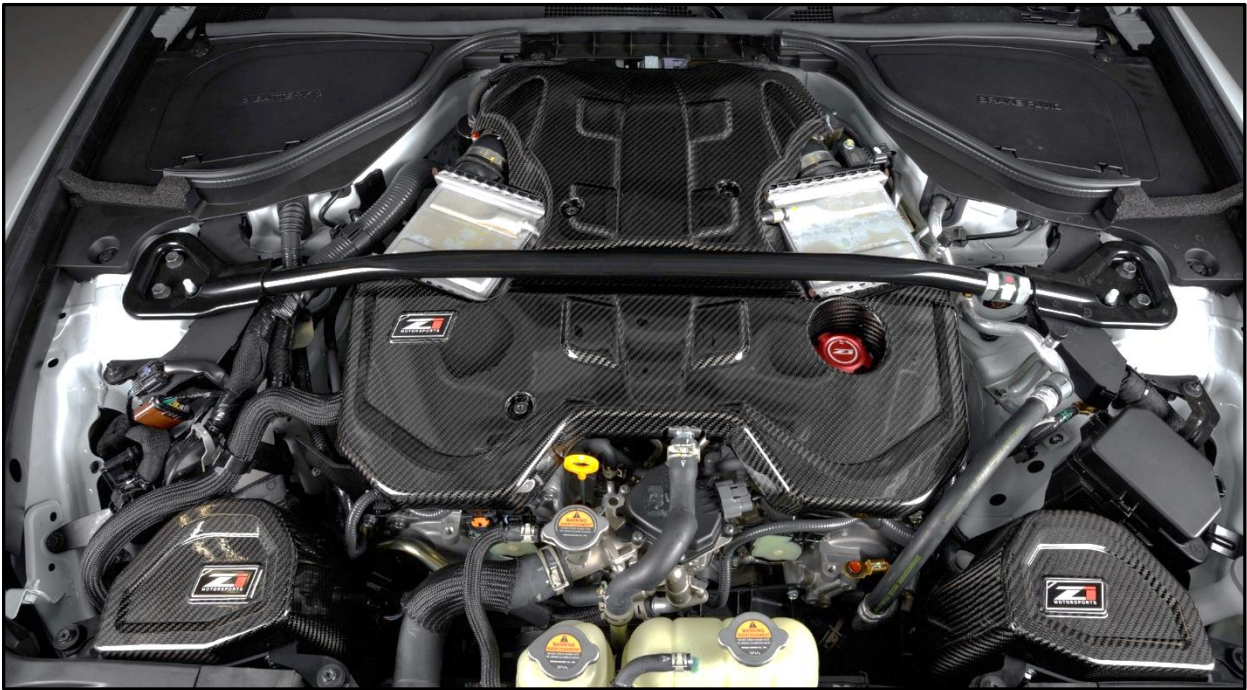


8. Install Z1 Carbon Fiber engine cover onto engine, making sure to press down so the grommets fully seat.
9. Due to variances on the engine, we have noticed not all front sections of the engine covers bolt up perfectly. If your bolt hole on the front section doesn't line up with the mounting hole on the engine please follow the steps below.
  - a. Remove the front section of the Z1 engine cover.
  - b. Loosen the two bolts securing the hard coolant line to the engine but do not remove them (circled below).



- c. Place the engine cover back on the engine, making sure to press down so the grommets fully seat.
- d. Then using the front hose going through the engine cover (shown with arrow above) wiggle/adjust the hard coolant line so the mounting hole on it lines up with the engine cover.
- e. Then while still holding the coolant line in place, remove the engine cover and tighten the two bolts that were loosened in step # 9b.
- f. Then place the engine cover back on making sure to press down so the grommets fully seat.

10. Reinstall the (3) screws that were removed in step # 4 to secure the Z1 engine cover to the vehicle.



11. If not already applied, locate Z1 Badge. Peel the paper off the back and neatly place into slot on the left side of the front piece.

12. Reinstall the strut bar and hardware that was removed in step # 3.

13. Inspect vehicle for loose tools/items.

14. Lower hood of vehicle.

**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