

Z1 300ZX ALUMINUM UNDERSHROUD INSTALLATION MANUAL



This Installation Manual is intended for the following models:

1990-1996

Nissan 300ZX (Z32)

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 300ZX Aluminum Undershroud, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Undershroud Rear Panel
2	1	Undershroud Front Panel
3	11	M6 x 25 SEMS Screws
4	3	M6 x 35mm SEMS Screws
5	2	M6 Flange Nut
6	2	M6 U-Clip Nut
7	3	9/16" Nylon Spacer
8	3	M6 Push Nuts

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- 10mm Socket/Wrench
- Flat-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 300ZX Aluminum Undershroud and verify that ALL necessary hardware is present.

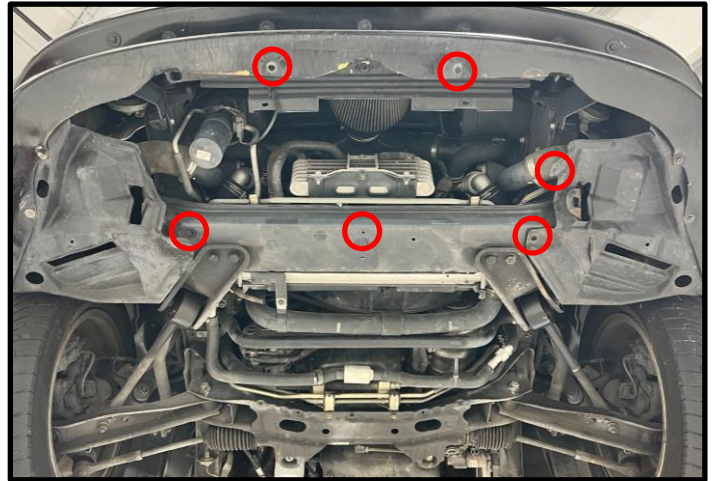
PROCEDURE:

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. If present, remove both the front and rear sections of the OEM engine undershroud.
4. Locate Z1 Undershroud Front Panel, (7) 25mm SEMS screws, and (2) M6 u-clip nuts.



5. Using (2) 25mm SEMS screws, attach front of front panel to front lip using the two mounting holes circled at right. Do not fully tighten screws yet.

6. Using (2) 25mm SEMS screws, secure the middle section of the front panel to the plastic fender liner on each side (driver side circled at right). Extra u-clip nuts have been provided if OEM piece is missing threads.



Note: Due to the age of these cars, we have found on many that the fender liner mounting holes are no longer present (the car in picture only has the driver side). If that is the case, simply tuck the remaining fender liner above the undershroud panel.

7. Using (3) 25mm SEMS screws, secure the rear of the front panel to the bottom of the radiator core support (circled above). Do not fully tighten screws yet.

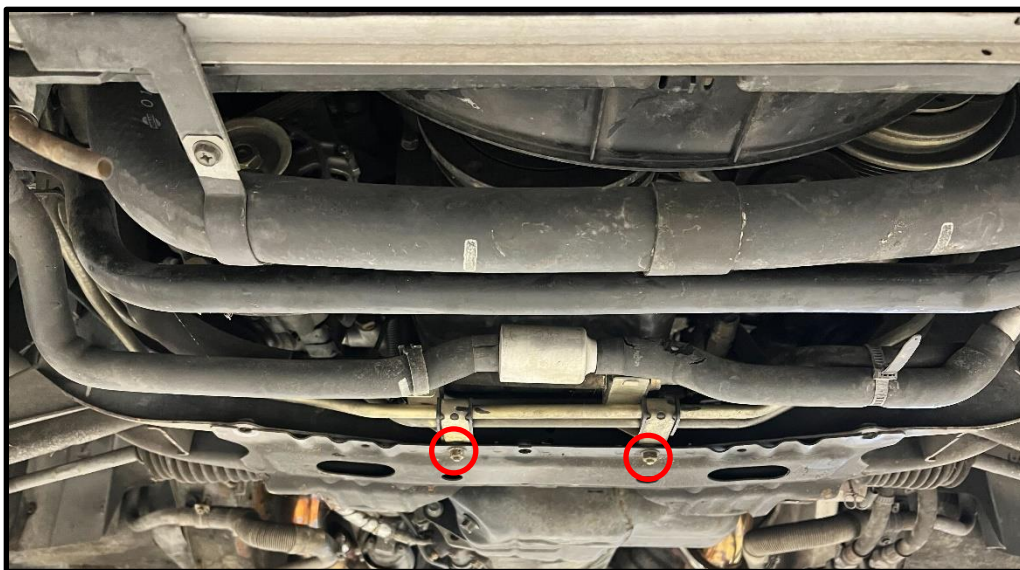
8. Locate Z1 Undershroud Rear Panel and remaining hardware.

9. Using the rear center screw on the front panel, slot the rear panel above the front panel (as shown).

10. Using (1) 25mm SEMS screw, secure the front of the rear section to the radiator core support using the mounting hole circled at right.



Note: We have noticed on some vehicles the lines running just in-front of the subframe are no longer held up in their factory position. The picture below shows where the lines “should” be. Depending on the line position and what hardware is still present on your car will determine what hardware to use for the new Z1 Undershroud.



11. If your lines are in the correct position:

- a. Remove the nuts (circled above).
- b. Secure the rear of the panel to the studs with the (2) provided flange nuts.
- c. Use a 25mm SEMS screw in the (1) center and (2) outer holes.

12. If your lines hang lower than the subframe, you will need to utilize the provided longer 35mm SEMS screws, nylon spacers, and M6 push nuts.
 - a. Place a 35mm SEMS screw through the (1) center and (2) outer mounting holes in the rear of the rear panel.
 - b. Place a nylon spacer over each screw and secure it with a push nut (as shown).
 - c. Secure (3) SEMS screws to subframe.
13. Go back and fully tighten all remaining screws.
14. Inspect vehicle for loose tools/items.
15. Properly lower vehicle from jack stands.
16. Perform a final test drive of vehicle.



Completed installation of the Z1 300ZX Aluminum Undershroud should look as shown below:



END

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