

Z1 300ZX (Z32) HOOD STRUT KIT 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 (Z32) Hood Strut Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	2	Hood Strut
2	4	Ball Stud
3	1	Chassis Bracket - Driver
4	1	Chassis Bracket - Passenger
5	1	Hood Bracket - Driver
6	1	Hood Bracket - Passenger

TOOLS REQUIRED:

- Ratchet
- Ratchet Extension(s)
- 10mm Metric Socket/Wrench

SAFETY REQUIREMENTS:

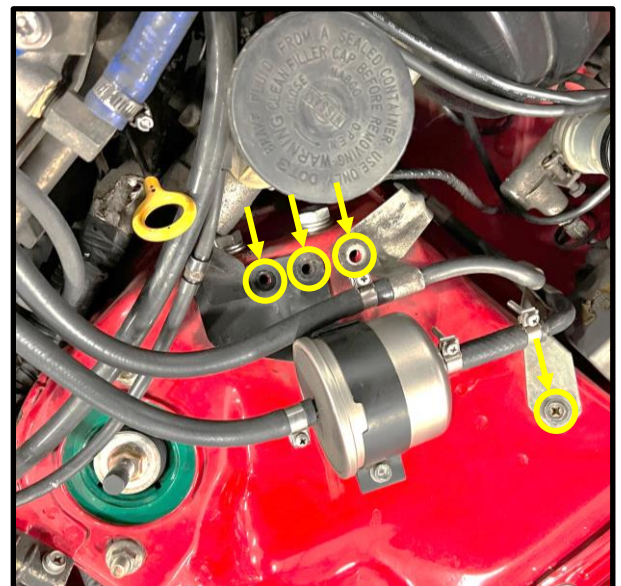
- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

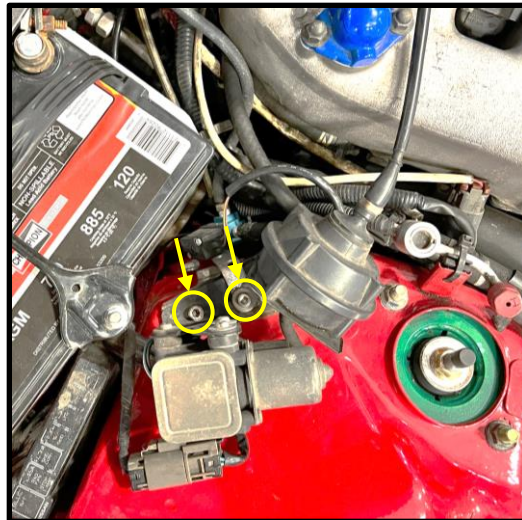
Remove contents from the Z1 Motorsports 300ZX (Z32) Hood Strut Kit and verify that ALL necessary hardware is present.

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 vehicles hood. Apply hood prop.
3. Thread a ball stud into each PEM nut on each bracket. Tighten with a 10mm deep well socket.
4. Remove the (3) bolts behind the driver front strut tower, securing the fuel filter bracket and fuel line to the chassis (as shown below). Retain OEM hardware.
5. Loosen the bolt closest to the fender. In the picture at the right, it is the bolt still attached to the chassis.



- Remove the (2) bolts behind the passenger front strut tower, securing the cruise control actuator bracket to the chassis. Retain OEM hardware.

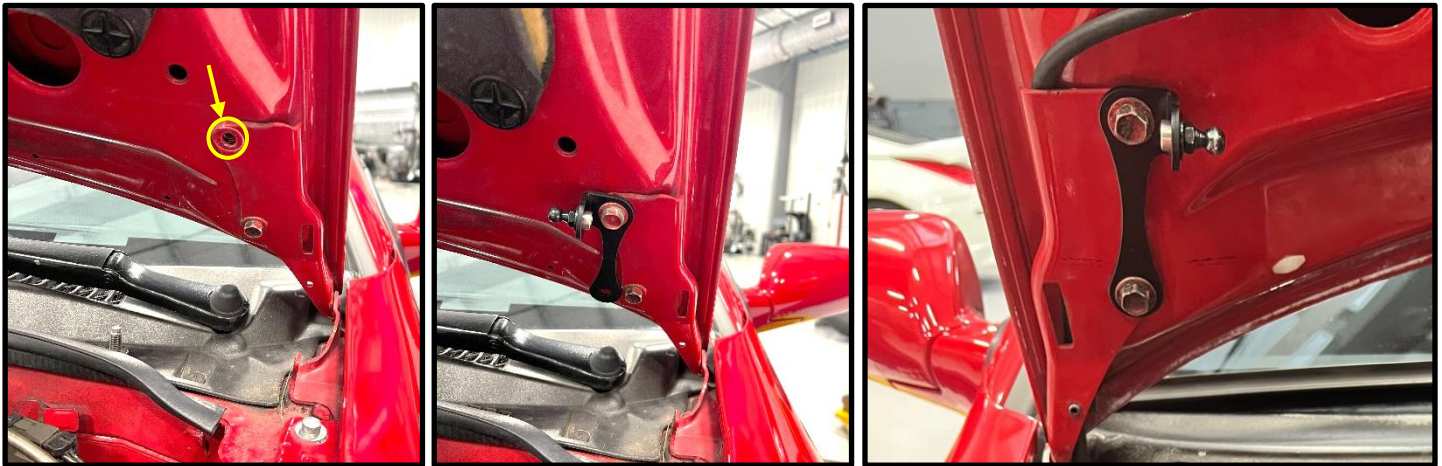


- Locate both the driver and passenger chassis support brackets. They are the larger two brackets, with (2) rubber feet installed on each. The driver side bracket has (3) mounting holes on the bottom while the passenger side has (2).
- Position the driver side bracket between the chassis and fuel filter bracket (as shown).
- Position the passenger side bracket between the chassis and cruise control actuator bracket (as shown).

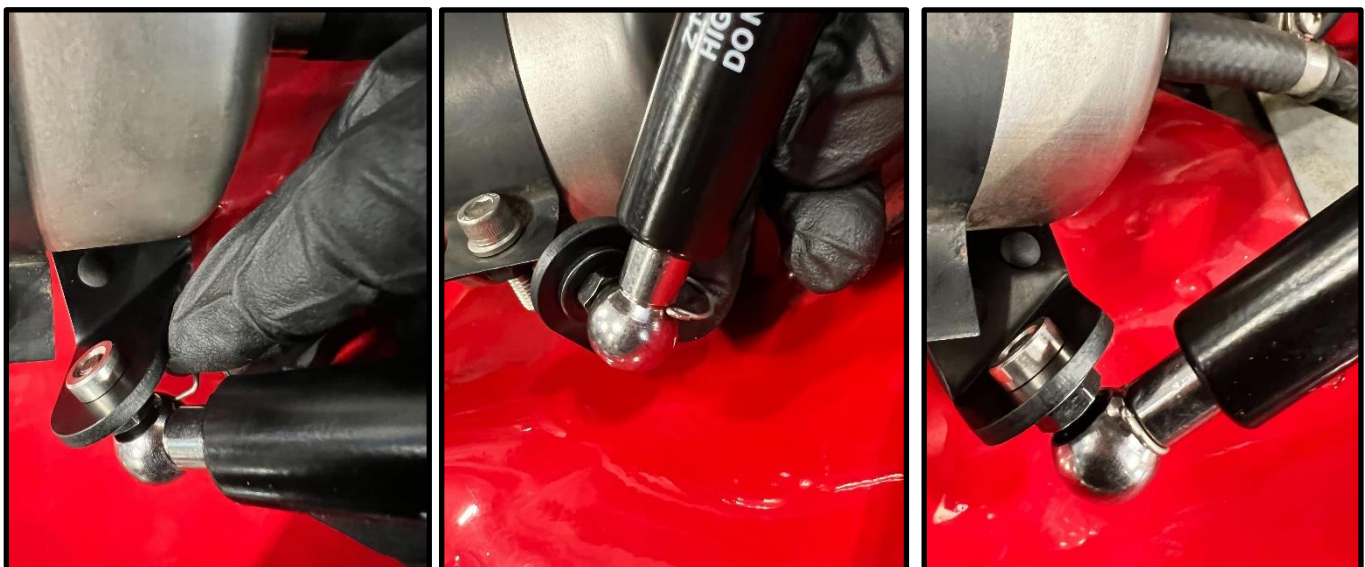


- Secure brackets with OEM hardware that was removed in steps 4 & 6.
- Locate both the driver and passenger hood support brackets.

12. Remove the top bolt on the driver side hood hinge that secures the hood to the hinge (as shown).
13. Place the driver side hood support bracket on the bolt and thread back in the hood with the ball stud pointing towards the engine bay (as shown).
14. Remove the lower bolt on the hood hinge. Rotate the hood support bracket in place and secure with bolt (passenger side shown).



15. Repeat steps # 12-14 on passenger side of vehicle.
16. Locate (2) hood struts.
17. The ball end fittings on the hood struts are different on each end. One end is angled with a snap ring, while the other is straight with a removeable locking pin. The ball ends should be facing opposite directions. If they aren't facing opposite directions, rotate the body of the strut.
18. Remove the locking pins by rotating it away from the strut and then pulling out of the ball end. **DO NOT** lose the locking pin.
19. Snap the ball end with the locking pin removed onto the ball stud on the driver chassis support bracket (as shown).
20. Insert the locking pin as shown in the images below. The pin should be facing towards the chassis support bracket (as shown).
21. Roll / rotate the semi-circle lock ring around the rod end (as shown). The lock ring will snap into place.



22. Carefully raise the hood enough to snap the other end onto the ball stud on the hood support bracket.



23. Repeat steps # 19-22 on the passenger side of the vehicle.

24. Once both hood struts are installed, remove the factory hood prop rod and associated hardware from the vehicle.

25. Slowly close the hood by hand. **DO NOT SLAM THE HOOD!!** Observe the movement of the hood and check for any bindings of the hinges or hood struts.

26. Once fully closed, re-open the hood slowly and ensure that the hood opens smoothly and without binding.

END

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