

# FRONTIER / XTERRA / PATHFINDER HOOD STRUTS KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2005-2020	Nissan Frontier
2005-2015	Nissan Xterra
2005-2012	Nissan Pathfinder

## 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 Off-Road Frontier / Xterra / Pathfinder Hood Struts Kit, consult with a Professional Mechanic or contact Z1 Off-Road for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	2	Z1 Hood Strut
2	1	Upper Bracket - Driver
3	1	Lower Bracket - Driver
4	1	Upper Bracket - Passenger
5	1	Lower Bracket - Passenger

## **TOOLS REQUIRED:**

- Ratchet
- 10mm Socket/Wrench
- 12mm 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 Off-Road Frontier / Xterra / Pathfinder Hood Struts Kit and verify that ALL necessary hardware is present.

## **PROCEDURE:**

1. Assure the car's ignition is in the OFF position. 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 hood prop retainer clip in driver side fender. Mounting hole is circled at right with clip removed, clip pictured below.

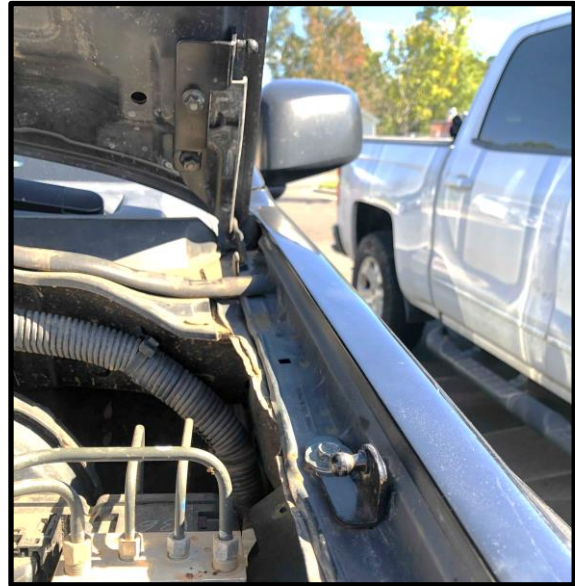
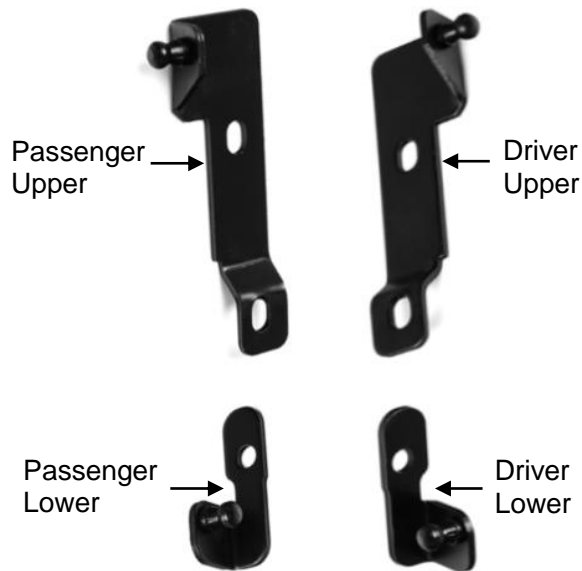


4. Remove (1) bolt and (2) nuts circled in picture at right.

Note: Retain all hardware as it will be reused.



5. Locate upper and lower brackets for the side you are working on. Attach brackets to vehicle using hardware removed in step #3. Torque bolt at fender to 10ft-lbs. Torque nuts on hood to 9ft-lbs.



6. Locate Z1 Hood Strut. Remove the locking pins from the ball sockets. Orient hood strut with the body facing up (as shown). Snap top ball socket onto the upper ball stud bracket. Secure with locking pin (as shown).



7. Snap the bottom ball socket onto the lower ball stud bracket. You may have to slightly raise/lower the hood to align strut and bracket. Secure with locking pin.
8. Repeat steps #3-6 on other side of vehicle.
9. Completed installation of Z1 Off-Road Frontier / Xterra Hood Struts Kit should look as shown at right:

**END**

**Additional Technical Support:**  
Contact Z1 Off-Road at [info@z1offroad.com](mailto:info@z1offroad.com)  
Or call 678-839-8019 between 9am and 6pm ET

