



**PRODUCT: 50507-NN STRUT EXTENSION LEVELING KIT
2.5" 2005-18 Frontier/Xterra**

PARTS LIST QTY

STRUT SPACER	2
10mm X 1.25 FLANGE NUT	6

PLEASE DOUBLE CHECK THE PARTS LIST BEFORE BEGINNING INSTALLATION, TO ENSURE ALL PARTS ARE PRESENT, IF THERE IS SOMETHING MISSING, PLEASE CONTACT BODY ARMOR 4X4 IMMEDIATELY

(866) 894-3351 USA AND (877)326-0933 CANADA

READ THE INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE BEGINNING THE INSTALLATION.

1. Factory service manual is recommended to have on hand.
2. Make sure that all parts in the parts list are present, and do not start the installation without a full set of parts.
3. Secure and properly block vehicle prior to beginning installation
4. Always wear safety glasses when using power tools or working under the vehicle
5. Modifications to any part will void the warranty associated with that product.

After removing parts from vehicle, save hardware for reinstallation

IT IS RECOMMENDED THAT YOU HAVE YOUR VEHICLE'S ALIGNMENT CHECKED WHENEVER INSTALLING NEW SUSPENSION. IT IS ALSO RECOMMENDED THAT YOU ADJUST YOUR HEADLIGHTS WHENEVER THE VEHICLE'S RIDE HEIGHT IS ALTERED.

INSTALLATION STEPS FOR FRONT 2.5" STRUT SPACER

1. First, remove the driver side front wheel. Remove the two lower sway bar nuts on both sides of the truck..
2. Remove the driver's side cotter pin and loosen but do not remove, the upper ball joint nut. Use a hammer to break the ball joint free.
3. Remove the upper nuts from the top of the strut, then remove the lower strut bolt.

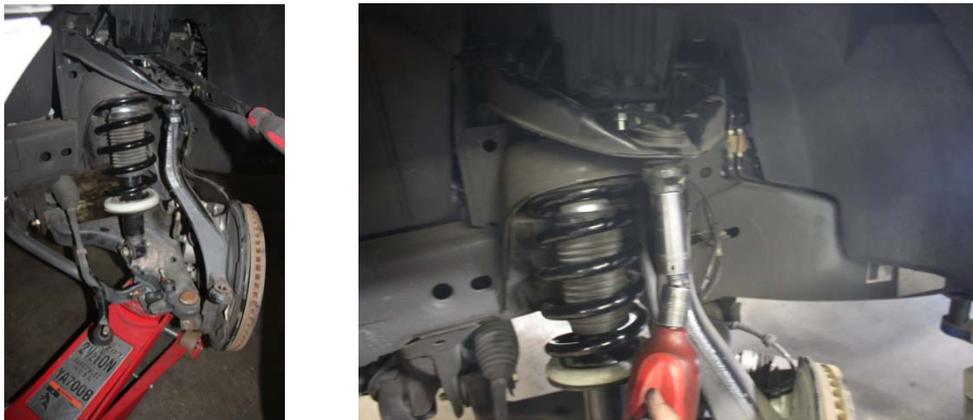


4) Remove the strut from the vehicle and mount it in a bench vise, and install the strut spacer kit. Torque fasteners to OEM specification. **Note the shape of the spacer, the strut will be rotated 180 degrees when installed.**

5) Reinstall the strut assembly in its stock location by first loosely attaching 3 upper nuts on the top of the spacer.

6) Using a floor jack to support the lower a-arm, remove the upper ball joint nut and lower the lower a-arm assembly until you can insert the lower strut mount bolt and nut.

7) Raise floor jack and lower a-arm assembly and reinstall upper ball joint nut and cotter pin, tighten upper strut hardware and re-torque all hardware to the stock specs.



8. Repeat steps 1 through 7 on the passenger side of the vehicle, then re-install the sway bar nuts on both sides and re-torque to the factory specs.
9. Perform Alignment.
10. After 50 miles of driving, re-torque all hardware.