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1997-2000 FORD 2 WHEEL DRIVE EXPEDITION
FTS97159-4 6" REAR AIR BAG SPACER KIT

PARTS LIST:

- | | |
|--|---|
| 1 EA. TRACK BAR BRACKET FT97159-3-1 | 2 EA. BUMP STOP EXTENSIONS FT97159-4-2 |
| 1 EA. SENSOR BRACKET FT97159-3-3 | 2 EA. AIR BAG SPACERS FT97159-4-1 |
| 2 EA. URETHANE BUMP STOPS FTS86 | 4 EA. SLEEVES FT404739 |
| 1 EA. 3/8" X 1" BOLT | 1 EA. 3/8" NYLOCK NUT |
| 2 EA. 3/8" FLAT WASHERS | 1 EA. 9/16" X 3" GRADE 8 BOLT |
| 2 EA. 9/16" FLAT WASHER | 1 EA. 9/16" NYLOCK NUT |
| 1 EA. 7/16" X 1 1/2" GRADE 8 BOLT | 2 EA. 7/16" FLAT WASHER |
| 1 EA. 7/16" NYLOCK NUT | 2 EA. 1/2" C-LOCK NUTS |

TOOL LIST:

JACK STANDS
FLOOR JACK
ASSORTED METRIC WRENCHES AND SOCKETS
DRILL WITH 7/16" BIT

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION!

THIS KIT REQUIRES THE INSTALLATION OF FTS7299 REAR SHOCKS, WHICH ARE NOT INCLUDED WITH THIS KIT.

IF YOU HAVE ANY PROBLEMS WITH THE AIRBAGS INFLATING AND RETURNING TO HEIGHT, DISCONNECT THE NEGATIVE BATTERY CABLE FOR 10 MINUTES TO RESET THE COMPUTER.

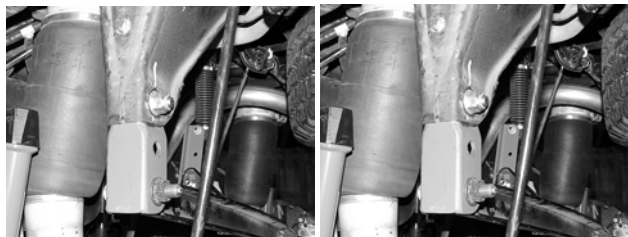
INSTRUCTIONS:

1. Disconnect the negative battery cable, this must be done to reset the rear airbag computer.
2. Jack up the rear end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the rear tires.
3. Support the rear differential with a floor jack. Remove the air lines to each of the air bags to release the pressure. Remove the securing clips from the top of the airbags, above the frame to release them from the top frame mount.
4. Locate the ride height sensor where it attaches to the track bar mount. Remove the lower nut and separate the sensor from the track bar. Remove both rear shocks.

5. Disconnect the upper track bar mount from the frame. Save the original bolt and nut, it will be reused later.
6. Remove the bump stops from the differential. Save the two bolts they will be reused later. Disconnect the upper sway bar links from the frame mounts. Save the original bolts and nut clips, they will be reused later.



7. Lower the floor jack supporting the differential several inches. Place the air bag spacer on top of the factory airbag. Make sure to align the pin in the top of the airbag with the hole in the spacer. Reinstall the retaining clip inside the airbag spacer. Align the top of the airbag spacer with the hole in the frame and guide the 1/2" stud through the original locating pin hole in the frame. Using the supplied 1/2" C-Lock nut, secure the spacer to the frame. **Make sure you allow plenty of clearance between the 1/2" stud and any air conditioning lines.** Repeat this on the opposite airbag and reconnect the air lines to the top of the airbags.



8. Take the track bar drop bracket and slide it inside the upper track bar frame bracket. Insert the supplied 9/16" bolt with a 9/16" flat washer through the original track bar bolt hole of the frame bracket and the 9/16" hole of the track bar drop bracket. Place a 9/16" flat washer and nylock nut onto the 9/16" bolt, do not tighten. Locate the 7/16" hole on the outside edge of the original track bar bracket, it should line up with the 7/16" hole in the track bar drop bracket. Use the supplied 7/16" bolt, flat washers and nylock nut to secure the track bar drop bracket to the frame, if the holes are not perfectly aligned you can use a 7/16" drill to remove any excess material. Tighten the 7/16" bolt to 35 ft./lbs. followed by the 9/16" bolt to 75 ft./lbs.

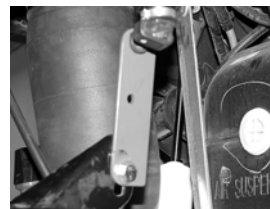


9. Install the new rear shocks, using the sleeves supplied with this kit. Slide the track bar into the drop bracket and using the lower bolt hole, reinstall the original bolt and torque to 75 ft./lbs. Locate the hole on each side of the frame for the

sway bar bolts. Measure straight down 3 1/2" and mark the location with a center punch. Make sure there is nothing inside the frame rail and drill a 1/2" hole at the marked locations. Attach the sway bar to the frame using the original bolts and the new holes in the frame. Fully torque all fasteners.



10. Thread the urethane bump stops onto the bump stop extensions. Attach the bump stop extensions to the differential pad using the original bolts. Make sure you align the locator pin in the extension with the hole in the axle pad.



11. Attach the ride sensor extension bracket to the mounting tab on the differential using the supplied 3/8" nut, bolt and washers. Align the angled side of the bracket with the end of the sensor mount, centering it in the adjustment slot and torque the bolt to 28 ft./lbs. Attach the sensor to the top hole in the extension bracket using the original hardware. Torque to factory spec.
12. Raise the floor jack supporting the rear end of the truck until the bump stops come into contact with the frame. Reinstall the rear tires and torque the lug nuts to the factory specifications found in your owners manual.
13. You are now ready to re-inflate the rear airbags. Make sure the floor jack is securely supporting the rear differential. Reconnect the negative battery cable and start the vehicle. The airbags should slowly inflate. Make sure the airbags inflate vertically and do not bend to one side. If this does happen, immediately shut off the motor, release the pressure from the air bags and re start the vehicle. Be ready for the vehicle to raise off the jack stands. As soon as possible remove the jack stands and set the vehicle on the ground.
14. After the airbags are fully inflated you may have to make an adjustment to the airbag sensor mount to properly level the vehicle. Move the sensor up or down in the adjustment slot as necessary to level the vehicle.
15. Drive the vehicle 5 miles and recheck the ride height and lug nut torque. Make any necessary adjustments to the ride height sensor. Make note of the final measurement from the top of the rear fender opening to the center of the axle and recheck it after the first 50 miles. Once the height is properly set, no future adjustments will be necessary.

RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER.

For technical assistance call: 714-990-8850

Fabtech Motorsports Suspension Products

Fabtech Motorsports warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. Fabtech Motorsports does not warrant the product for finish, alterations, modifications and/or installation contrary to Fabtech Motorsports' instructions. Fabtech Motorsports suspension products are not designed nor intended to be installed on vehicles used in race applications or for racing purposes or for similar activities. (A "RACE" is defined as any contest between two or more vehicles, or any contest of one or more vehicle against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America. Fabtech suspension products that increase the vehicle's ride height may greatly increase the risk of vehicle roll over. Vehicles should be operated in a safe manner at all times as not to cause a roll over or an accident resulting in injury or death. Fabtech Motorsports' obligation under this warranty is limited to the repair or replacement, at Fabtech Motorsports option of the defective product. Any and all costs of removal, installation or re-installation, freight charges, incidental or consequential damages are expressly excluded from this warranty. This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been subject to accident, negligence, alteration, abuse or misuse. Fabtech Motorsports does not warrant products not manufactured by Fabtech Motorsports. Please see Fabtech's Jobber Price Sheet for additional conditions and warnings.

Instruction Sheet Part #- FT97159-4i

04/03/02