F2628 Installation Instructions
11/30/97 - 2002 Ford Expedition 4wd
Rear Suspension Lift

Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

» Product Safety Warning

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

» Technical Support

Live Chat provides instant communication with Zone tech support. Anyone can access live chat through a link on www.zoneoffroad.com .

www.zoneoffroad.com may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to ***tech@zoneoffroad.com*** detailing your issue for a quick response.

888.998.ZONE Call to speak directly with Zone tech support.

» Pre-Installation Notes

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

Difficulty Level

easy 1 2 (3) 4 5 difficult

Estimated installation: 3 hours

Special Tools Required

None

Tire/Wheel Fitment

35x12.50 on 4.5" BS wheel

Kit Contents

F2628 Box Kit

Qty	Part
1	Rear Driveshaft Spacer
4	5/8 ID Hourglass Bushing
2	Sway Bar Link
4	.625 x .060 x 1.375 Sleeve
1	Track Bar Bracket
1	1.00 x .125 x 1.53 Sleeve
2	Bump Stop
2	Drop Bracket
1	Bolt Pack 422 - Bump Stop Bracket
4	3/8"-16 x 1-1/4" bolt
4	3/8"-16 lock nut
8	3/8" USS flat washer
1	Bolt Pack 537 - Driveshaft/Sway Bar/Brake Line
4	12mm-1.75 x 50mm flange screw
4	7/16" USS flat washer
2	12mm-1.75 x 70mm bolt
2	12mm-1.75 lock nut
2	1/2"-13 x 1-1/2" bolt
2	1/2"-13 lock nut
4	1/2" SAE washer
1	5/16"-18 x 1 self tapping bolt
1	Cable clamp
1	Bolt Pack 557 - Track Bar Bracket
1	16mm-2.00 x 75mm bolt
1	16mm-2.00 lock nut
2	5/8" SAE flat washer
1	1/2"-13 x 1-1/4" bolt
2	1/2" SAE Washer
1	1/2"-13 lock nut
1	7/16"-14 x 1" bolt
2	7/16" SAE flat washer
1	7/16"-14 lock nut
2	Bolt Pack 723 - Control Arm Bracket
2	5/8"-11 x 4" bolt
2	5/8"-11 lock nut
4	5/8" SAE flat washer

» Installation Instructions

1. Park the vehicle on a clean, flat surface and block the front wheels for safety.
2. Disconnect the rear track bar from the passenger's side of the axle. Save hardware. Figure 1

Figure 1

3. Raise the rear of the vehicle and support with jack stands under the frame rails, just in front of the lower control arm mount.
4. Remove the wheels.
5. Disconnect the parking brake cable from the frame mounting bracket on the driver's side. Figure 2

Figure 2

6. Support the rear axle with a hydraulic jack under the differential.
7. Remove the sway bar links from the sway bar and frame mounts. These will not be reused. Save the upper mounting hardware.
8. Loosen all 8 control arm mounting bolts but do not remove.
9. Remove the factory shocks. Save hardware.
10. Lower the axle and remove the factory coil springs.
11. Remove the factory bump stops from the axle. Save bump stops and hardware.

Step 13 Note

Control arm bracket hardware is located in bolt pack #723 and #537

12. Ensure that the rear axle is well supported. Additional jack stands may be necessary. Working on the passenger's side, disconnect the upper and lower control arms from the frame mounts. Leave them attached to the axle. Save hardware.

13. Locate and install a provided control arm drop bracket into the factory upper and lower control arm frame mounts. Figure 3 Fasten the bracket to the original control arm holes with 5/8" x 4" bolts, nuts and washers. Install a 1/2" x 1-1/2" bolt, nut and washer into the center bracket hole. Figure 4 Leave all hardware loose.

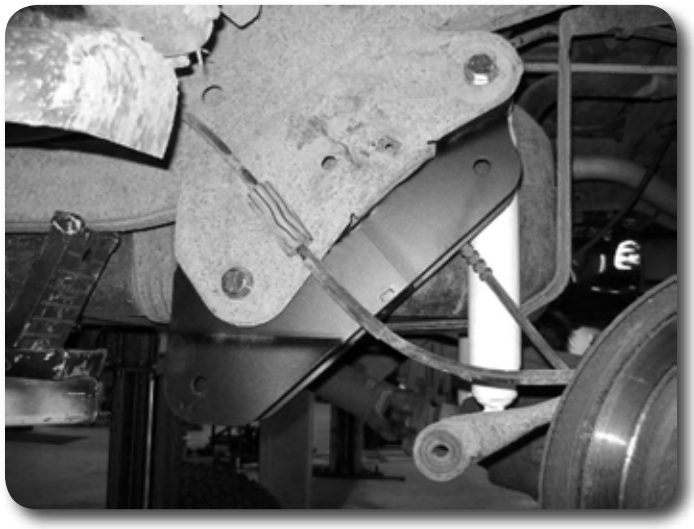

Figure 3

Figure 4

14. Install the factory upper control arm into the new relocation bracket with the original hardware. Leave loose.

15. With the axle well supported, disconnect the driver's side lower control arm from the frame. This will allow the axle to rotate and for the passenger's side lower arm to align with the new bracket mounting hole. Fasten the passenger's side lower control arm to the new bracket with the original hardware. Leave loose.

16. Repeat the bracket installation on the driver's side. When the arms are all installed, torque the new 5/8" hardware to 150 ft-lbs and the 1/2" hardware to 70 ft-lbs. The control arm bolts will not be torqued until the vehicle is setting at ride height.

17. Locate the new provided bump stop extensions. Attach the bump stop extension to the original bump stop mounts on the axle with factory bump stop hardware and a 3/8" x 1-1/4" bolt, nut and washers. When installed the bracket should taper forward toward the front of the vehicle. Torque hardware to 30 ft-lbs Figure 5

Figure 5

18. Attach the factory bump stops to the new extension with the provided 3/8" x 1-1/4" bolts, nuts and washer. The tall part of the bump stop will mount toward the front of the vehicle. Torque hardware to 30 ft-lbs. Figure 6

Figure 6

19. Mark the relationship between the rear driveshaft and the input pinion flange on the rear axle. Figure 7 Remove the four driveshaft mounting bolts and separate the drive shaft from the rear axle. Clean the mating surfaces on the driveshaft and the pinion flange.

Step 17-18 Note

Bump stop bracket hardware is located in bolt pack #422

Figure 7

Step 20 Note

Driveshaft hardware is located in bolt pack #537

20. Locate the provided rear driveshaft spacer. Position the spacer between the pinion flange and the driveshaft so that it seats properly. Align the marks made early on the flange and driveshaft. Apply Loctite to the new provided 12mm x 45mm bolts and torque to 75ft-lbs in a crossing pattern.

21. Locate and install the new rear springs. Be sure to reinstall the upper spring isolator.

22. Locate the new track bar bracket on the factory axle bracket. Position the bracket so it is tight to the factory mount and mark the two new holes to be drilled. One is on the bottom of the factory bracket Figure 8A and the other on the back of the upper control arm mount Figure 8B. Remove the bracket and drill 1/2" holes at the marks.

Figure 8A

Figure 8B

23. Install the new bracket on the factory mount and insert the provide crush sleeve Figure 9. Attach the bracket/crush sleeve to the factory bracket with the original track bar bolt. Leave loose.

Figure 9

24. Attach the bracket through the two newly drilled holes. Use a 7/16" x 1-1/4" bolt, nut and washer though the bottom hole and 1/2" x 1-1/4" bolt, nut and washers through the upper hole. Torque the 7/16" hardware to 50 ft-lbs, 1/2" to 70 ft-lbs and factory bolt to 150 ft-lbs.

25. Locate the provided sway bar links with pre-installed bushings. Lightly grease and install the provide steel sway bar link sleeves. Attach the sway bar link to the frame with the original hardware and to the sway bar with the provided 12mm x 70mm bolts, nut and washers. Figure 10 Torque hardware to 60 ft-lbs.

Step 24 Note

Track bar bracket hardware is located in bolt pack #557

Step 25 Note

Sway bar link hardware is located in bolt pack #537

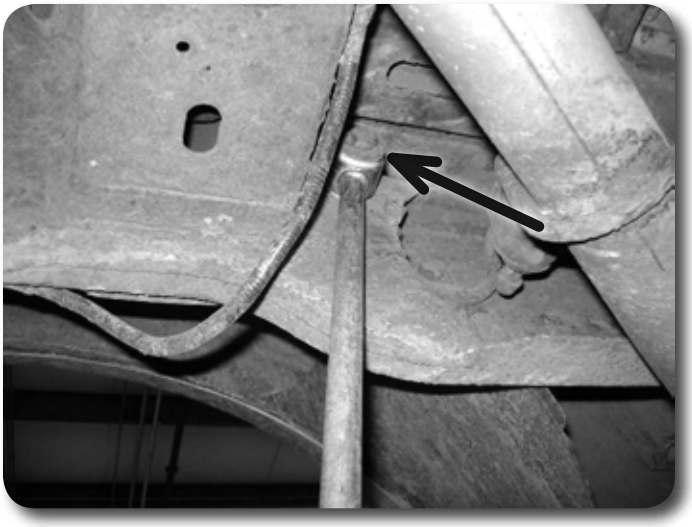

Figure 10

26. Reroute the parking brake cable. Attach the cable to the frame with the provided cable clamp and 5/16" self-tapping bolt. Use an existing hole located between the original control arm mounts or if necessary drill a 7/32" hole for a new location. Figure 11

Step 26 Note

Brake cable hardware is located in bolt pack #537

Figure 11

27. Locate and install the new shocks. Install the shocks with the factory hardware and torque to 60 ft-lbs.
28. Install the wheels and lower the vehicle to the ground.
29. Torque the upper and lower control arm bolts (8 total) to 150 ft-lbs.
30. Attach the track bar to the new bracket with the provided 16mm bolt, nut and washers. Torque bolt to 150 ft-lbs.
31. Check all fasteners after 500 miles.

Post-Installation Warnings

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.

2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.

3. Perform head light check and adjustment.

4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.