



Part#: 123001, 013002

Product: Track Bar Relocation & Radius Drop Kit

Application: Ford F-100, F-150, Bronco

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## READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.

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**SAFETY WARNING** BDS Suspension Co. 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.

**PRODUCT SAFETY WARNING** Certain BDS 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. BDS Suspension Co. 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.

### 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 BDS Suspension components. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, BDS Suspension Co. 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.

### 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. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

## 123001 PARTS LIST

| Part # | Qty | Description                 |
|--------|-----|-----------------------------|
|        | 1   | Track Bar Extension Bracket |
|        | 1   | 1/2" x 7" Bolt              |
|        | 1   | 1/2" Lock nut               |
|        | 4   | 7/16" Washers               |
|        | 1   | 9/16" x 3-1/2" Bolt         |
|        | 1   | 9/16" Lock Nut              |

## 013002 PARTS LIST

| Part # | Qty | Description                   |
|--------|-----|-------------------------------|
|        | 1   | LH Radius Drop Brkt           |
|        |     | RH Radius Drop Brkt           |
|        |     | Brake Line Relocation Brkt    |
|        |     | 7/16" x 1-1/4" Flat Head Bolt |
|        |     | 7/16" Lock Nut                |
|        |     | 7/16" Washers                 |
|        |     | 3/8" x 1" Bolt                |
|        |     | 3/8" Nut                      |
|        |     | 3/8" Lock Washer              |

## INSTALLATION INSTRUCTIONS

1. Raise the vehicle and place jack stands under the frame approximately 3" behind the radius arm brackets.
2. Place hydraulic floor jack under the front axle and raise to support.

### TRACK BAR INSTALLATION

3. Unhook the track bar at the frame end and lay it out of the way.
4. Place the new track bar bracket inside the OE frame mount with tabs facing down and retain using the 9/16" bolt through the original track bar mounting tab.
5. Use the 1/2" x 7" fastener to attach the bracket through the frame and tighten to 65-80 lbs.
6. Attach the track bar to the new drop bracket using the OE bolt. **Note: A new cotter pin is required if the original fastener required one. (Fig. 1)**

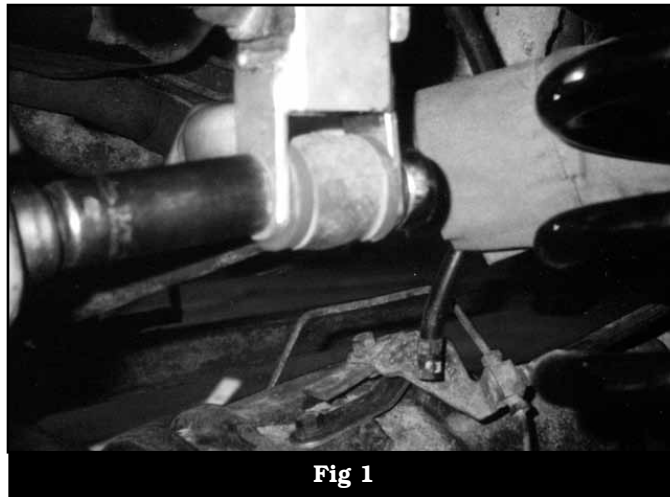
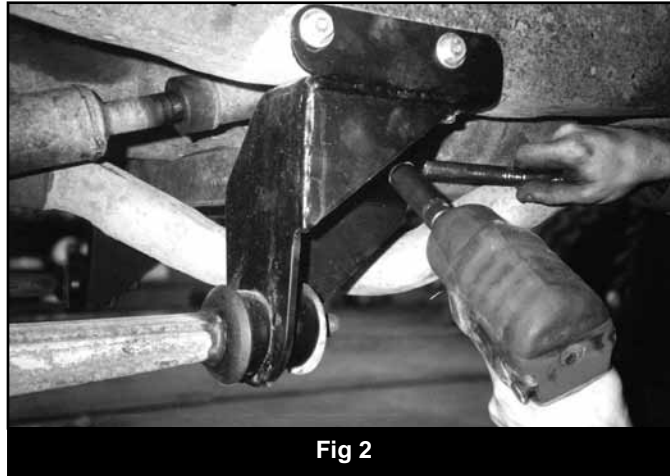


Fig 1

**Note: Due to OE variance, the upper hole of the new bracket may interfere with the upper bolt installed at the factory. If this occurs, enlarge the hole so that the bracket fits flush to the factory bracket. Drill a new hole in between the two holes and then bolt together.**

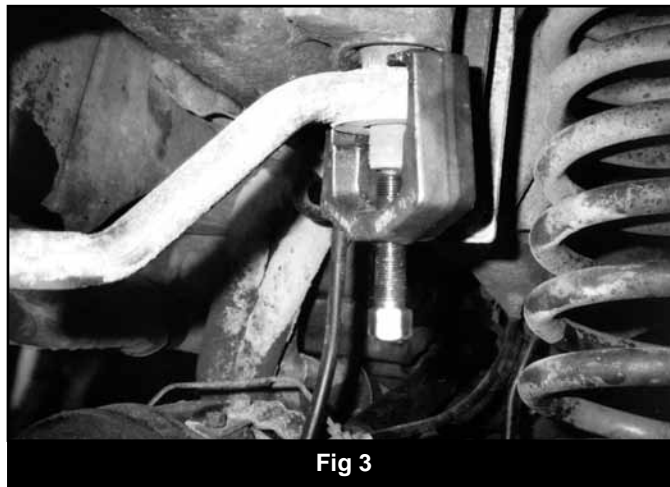
## RADIUS ARM DROP BRACKETS-013002

7. Remove the original radius arm drop brackets.
8. Install new BDS drop brackets loosely to the radius arm. **Note: Inspect the radius arm bushings at this time and replace them if necessary.** Attach the drop bracket to the frame and crossmember with new supplied 7/16" fasteners and torque to 55 lb. Torque the radius arm nut to OE specification. (Fig. 2)



## COIL SPRING INSTALLATION

9. Disconnect the original pitman arm. (Replace pitman arm at this time -PART # BDS 083402 for power steering only) (Fig. 3)



10. Disconnect the front anti-sway bar if present and save fasteners to reattach later.
11. Disconnect the front brake line where it attaches to the top of the front axle. Attach the extension bracket to the axle with the original fastener and attach the OE bracket to the extension bracket with the supplied 3/8" fasteners and torque to 30 lbs.
12. Remove the top two bolts from the top of the spring tower (Fig. 4). Loosen the two bolts at bottom of spring. Lower the front axle to allow the coil to be removed. Twist the original coil out by turning the coil counter clockwise.

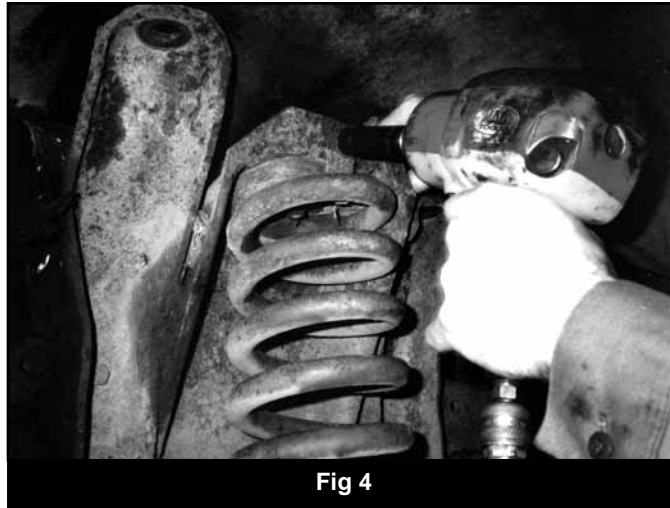


Fig 4

13. Install the new coils by turning them clockwise until they fit tight in the bottom of the pad. (Fig. 5)

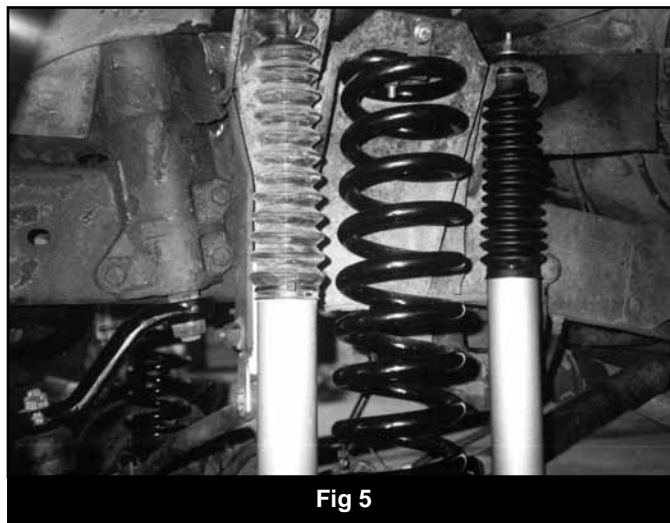


Fig 5

14. Replace the two top bolts and tighten the lower bolts to the OE specification.

15. Attach the anti-sway bar (if present) and attach the pitman arm. Tighten to OE specifications.

16. Install new BDS shocks and install wheels.

🔧 **Note: For proper alignment, new c-bushings will be required.** *Recommended: 4" lift-2 degree; 6" lift-4 degree. Actual degree bushings will vary by vehicle.*