



## 83-03 S-10 PICKUP / BLAZER 2-3" LIFT

Thank you for choosing Rough Country for all your suspension needs.

Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read instructions before beginning installation. Check the kit hardware against the product layout and kit contents information on back page of these instructions. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have needed tools.

### PRODUCT USE INFORMATION

As a general rule, the taller a vehicle is, the easier it will roll. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

Generally, braking performance and capability are decreased when larger/heavier tires and wheels are used. Take this into consideration while driving. Do not add, alter, or fabricate any factory or after-market parts to increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

Rough Country makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any product that is altered.

If question exist we will be happy to answer any questions concerning the design, function, and correct use of our products.

This suspension system was developed using a 31x10.5x15, tire with factory wheels. If wider tires are used, offset wheels will be required and trimming will be required. This kit was developed to obtain a front ride height of 21" on newer body style and 22" older body style as measured from the center of the front wheel to the bottom of the fender well. See Figure Below. It was also intended to be a leveling kit—taking out the stock factory rack by raising the rear only 1' and raising the front 2-3". If additional rear lift is desired please contact your Rough Country Distributor.



MEASURING RIDE HEIGHT

### NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product should have a "Warning to Driver" decal installed on the inside of the windshield or on the vehicle's dash. The decal should act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics.

INSTALLING DEALER - it is your responsibility to install the warning decal and forward these installation instructions on to the vehicle owner for review. These instructions should be kept in the vehicle for its service life.

### TOOLS NEEDED:

8mm Wrench	17mm Wrench	21mm Wrench	Torsion Bar Tool
13mm Socket	18mm Wrench	22mm Wrench	Pliers
15mm Socket	Floor Jack	Hammer	9/16" wrench
15mm Wrench	Jack Stands	7/16" Wrench	Tape Measure

## REAR INSTALLATION INSTRUCTIONS

The rear is installed first for reference as to how much to adjust the front ride height to level the vehicle.

1. Chock front wheels to prevent any possibility of movement.
2. Position a floor jack under the center of the rear axle and raise the vehicle.
3. Place jack stands under the frame rails just in front of the spring hangers. Lower truck onto jack stands. Remove the wheels/tires.
4. Remove the rear shocks absorbers from the vehicle using a 21mm wrench on the bottom and a 13mm on top.
5. Remove the stock shackles using a 21mm wrench and socket. Retain the stock hardware for reuse. **See Figure 1.**
6. Install the new lifted shackles with factory hardware using a 21mm wrench. Do not tighten at this time. **See Figure 2.**
7. Assemble the rear shocks part #650380 with supplied bushings/sleeves and install rear shocks using the factory hardware.
8. Install the tires/wheels. Jack up the rear with a floor jack and remove the jack stands and lower the vehicle to the ground.
9. Manually bounce the rear to somewhat pre-settle the springs. With the full weight of the vehicle on the springs, tighten the shackle attaching points.

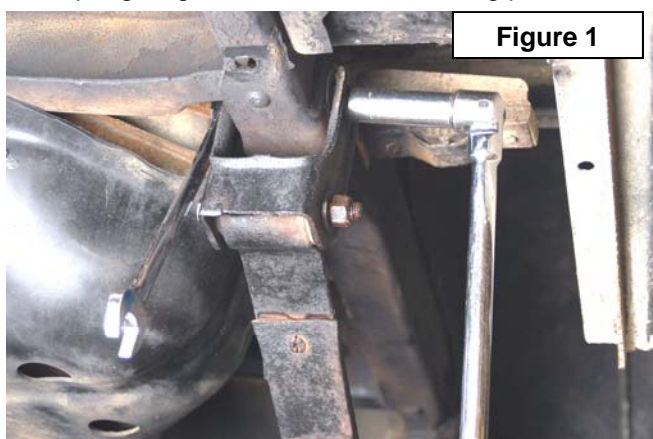


Figure 1

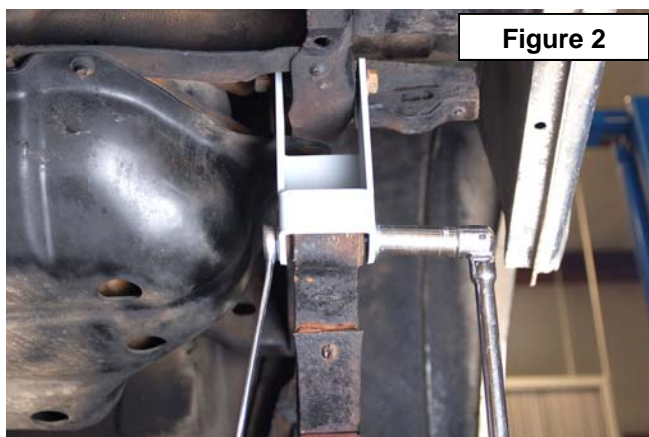


Figure 2

## FRONT INSTALLATION INSTRUCTIONS

1. Chock rear wheels where the truck will not roll. Place vehicle in neutral.
2. Raise the front with a floor jack, positioned underneath the front axle cross member. Place jack stands under the frame rails, behind the front wheel wells and lower frame onto jack stands. Remove the front tires.  
**NOTE:** For safe removal and installation of the torsion bar adjuster arms a special puller tool is required. Because of the tremendous load generated, a standard 2-jaw gear puller tends to bend down the cross member "lips", where it attaches, and pop out of place. The puller is usually available for rent from a local auto parts store. We recommend the use a Kent Moore Tool part # J-22517-C. 1988 and newer models equipped with the 4.3 liter engine need tool part number J-36202.
3. Unload the torsion bars. Remove the bolt and adjuster block and remove the torsion bar adjusters. **See Figure 3 & 4.** Be extremely careful when loading or unloading the torsion bars: there is a tremendous amount of stored energy in the bars. Be sure to keep your hands and body clear of the adjuster arm assembly and puller tool in case anything slips or breaks.

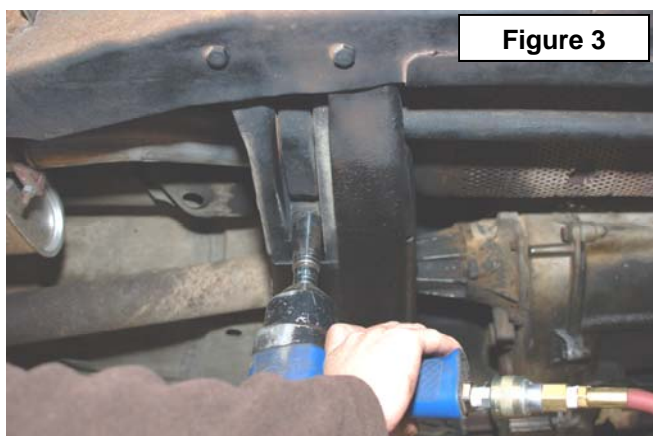


Figure 3

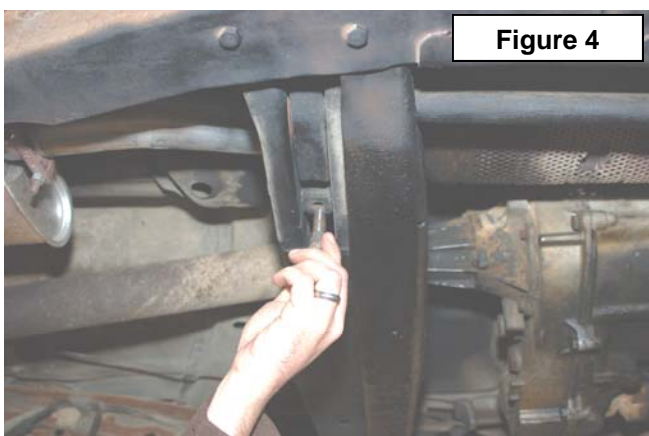
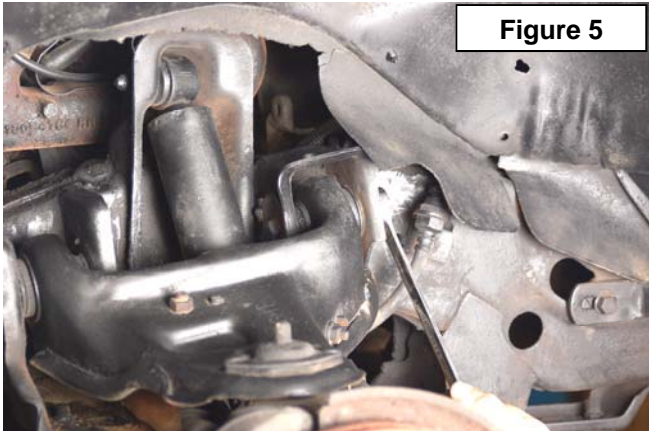
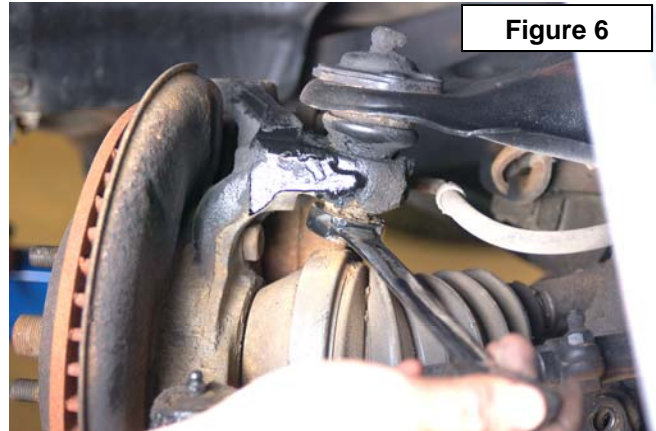


Figure 4

4. Remove the stock front shock absorber using a 18mm wrench top and bottom.
5. Remove the upper control arm bolts using a 18 mm wrench as shown in **Figure 5**. Retain hardware for reuse.
7. Remove the cotter pin on the knuckle and remove the ball joint nut using 22mm wrench. **See Figure 6.**

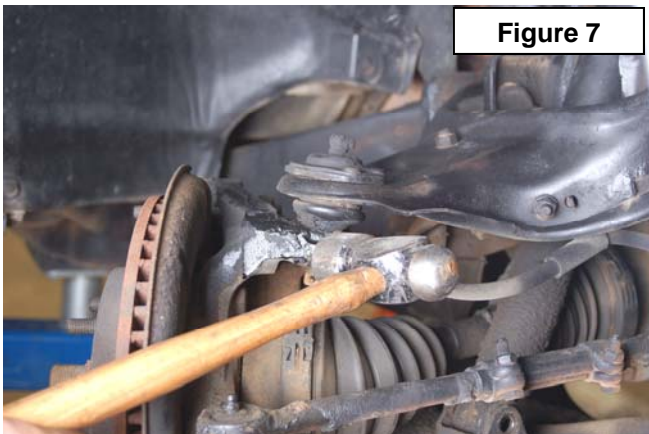


**Figure 5**

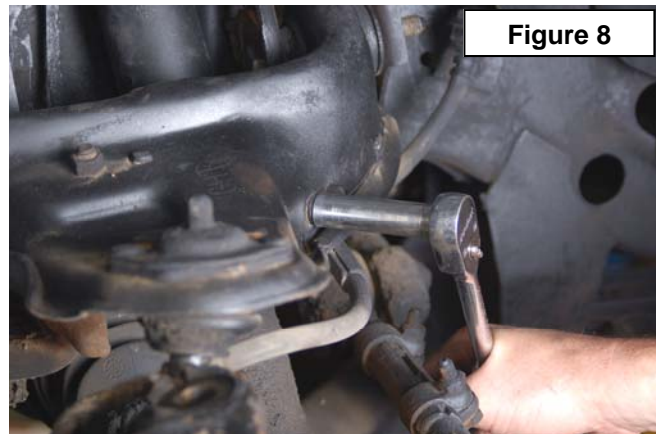


**Figure 6**

8. Strike the knuckle as shown in **Figure 7** to dislodge the ball joint.
9. Remove the brake line bracket from the stock upper control arm as shown in **Figure 8** using a 13mm wrench. Retain hardware for reuse. Remove the stock upper arms from the vehicle.



**Figure 7**

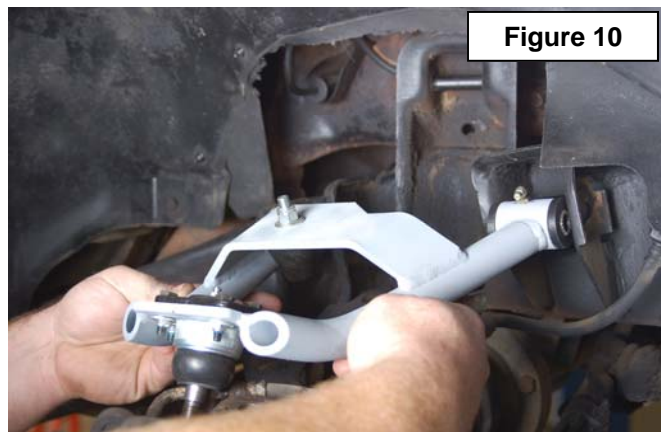


**Figure 8**

10. Locate the supplied bushings and sleeves and install into the new control arms. Using a 8mm wrench, install the supplied grease fittings on the new control arm eye rings. Grease ball joints at this time.
11. Install the new ball joints on the new upper control arms with ball joint face on top side of control arm and grease boot and retainer on lower side.
12. Install the supplied bump-stops on the control arms as shown in **Figure 9** using a 9/16" wrench.
13. Install the control arms in stock location with stock hardware and using a 18mm wrench. Do not tighten at this time. **See Figure 10.**



**Figure 9**

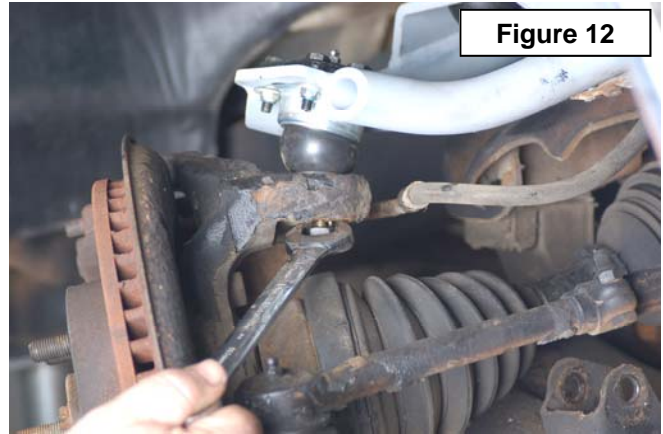


**Figure 10**

14. Install the stock brake line bracket on the new control arm as shown in **Figure 11** with the supplied 1/4" bolt and using 1/2" wrench.
15. Install the new control arm in the knuckle as shown in **Figure 12**. Tighten supplied ball joint nut and install the cotter pin.

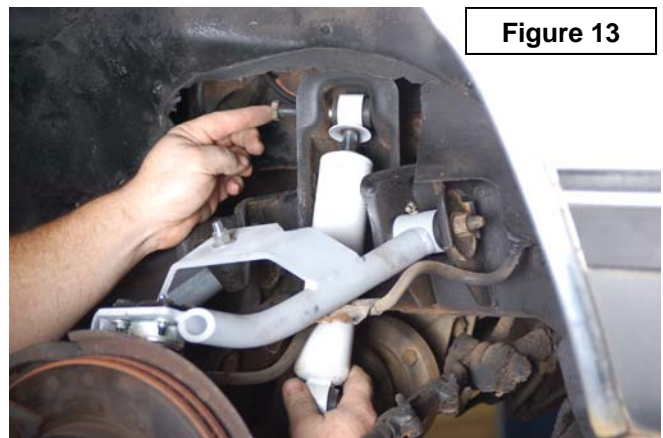


**Figure 11**



**Figure 12**

16. Install new Rough Country front shocks -part# 737904 using factory hardware with 18mm wrench as shown in **Figure 13**.
17. Using the torsion bar tool. Install the new torsion bar adjusters and install the threaded block and adjuster bolts. Set the torsion bars for desired ride height by turning the adjuster bolt.
18. Install the tires and wheels. If adjustment of the front end is needed. Jack up the front of the vehicle and adjust the torsion bar bolts to desired height. After adjustment of torsion bars have been performed, tighten upper control arm hardware using a 18mm wrench.
19. Have vehicle aligned to factory specifications and adjust headlights.



**Figure 13**

### MAINTENANCE INFORMATION

It is the ultimate buyers responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then every 1000 miles. Wheel alignment steering system, suspension and driveline systems must be inspected by a qualified professional mechanic at least every 3000 miles

#### KIT CONTENTS:

- 1-Dr side control arm
- 1-Pass side control arm
- 2-Torsion bar keys
- 2-Rear lifted Shackles
- 2-Ball joints
- 1-Kit poly bag
- 1-Shock Poly Bag
- 2—Front Gas Charged Shocks
- 2—Rear Gas Charged Shocks

