



97-06 TJ Wrangler
Platinum Series Coil Over
Installation Supplement
Part # PSTJB1

Platinum Series Coil Over Installation Guide
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Before beginning the installation, read these instructions and the enclosed driver's "WARNING NOTICE" thoroughly and completely. Also affix the "WARNING" decal in passenger compartment in clear view of all occupants. If any of these items are missing from this instruction packet, do not proceed with installation, but call SKY-JACKER® to obtain needed items. If you have any questions or reservations about installing this lift kit, call SKY-JACKER® at 318-388-0816 for Technical Assistance or Customer Service departments.

PRE-INSTALLATION NOTES:

- A Minimum of 1" body lift is required for clearance of coil over assembly.
- A professional mechanic is recommended to perform the installation.
- Read the instructions carefully and study the photo illustrations before attempting the installation.
- Secure and properly block the vehicle on a level concrete or asphalt surface.
- Always wear safety glasses.

ACCESSORIES:

- 3/4" Spring isolator pad spacers, pr.#SIP275
- Slip yoke eliminator kit (NP/NVG231)#FIX231
- DOM 1.25" replacement tie rod tube#TR300



Installation Guideline:

Heavy Duty Tie Rod Tube Part # TR300

1. Secure and properly block the tires of vehicle on a level concrete or asphalt surface.
2. Jack up front of vehicle and install jack stands under frame behind the lower link rear brackets. Remove tires and front shocks. Now remove the track bar bolt on passenger side end only and lower track bar down (it may be necessary to pry bar loose). (See picture #1.)
3. Remove drag link assembly from pitman arm and lower it down. (For 4" lifts, remove pitman arm also.) Now remove the sway bar end link's lower bolt at axle housing on both sides (see picture #2). Lower front axle down until coil springs become loose. Remove the bottom bolt and clip from left front coil spring (see picture #3).
4. Now remove both coil springs. Remove upper bump stop (use channel lock pliers working bump stop back and forth). Now you are ready to install the Platinum Series Coil overs.

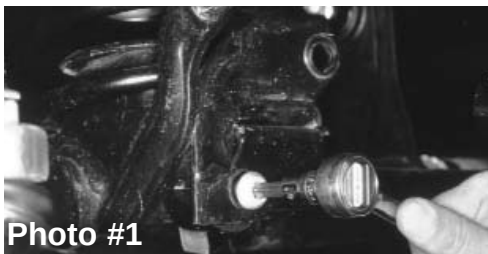


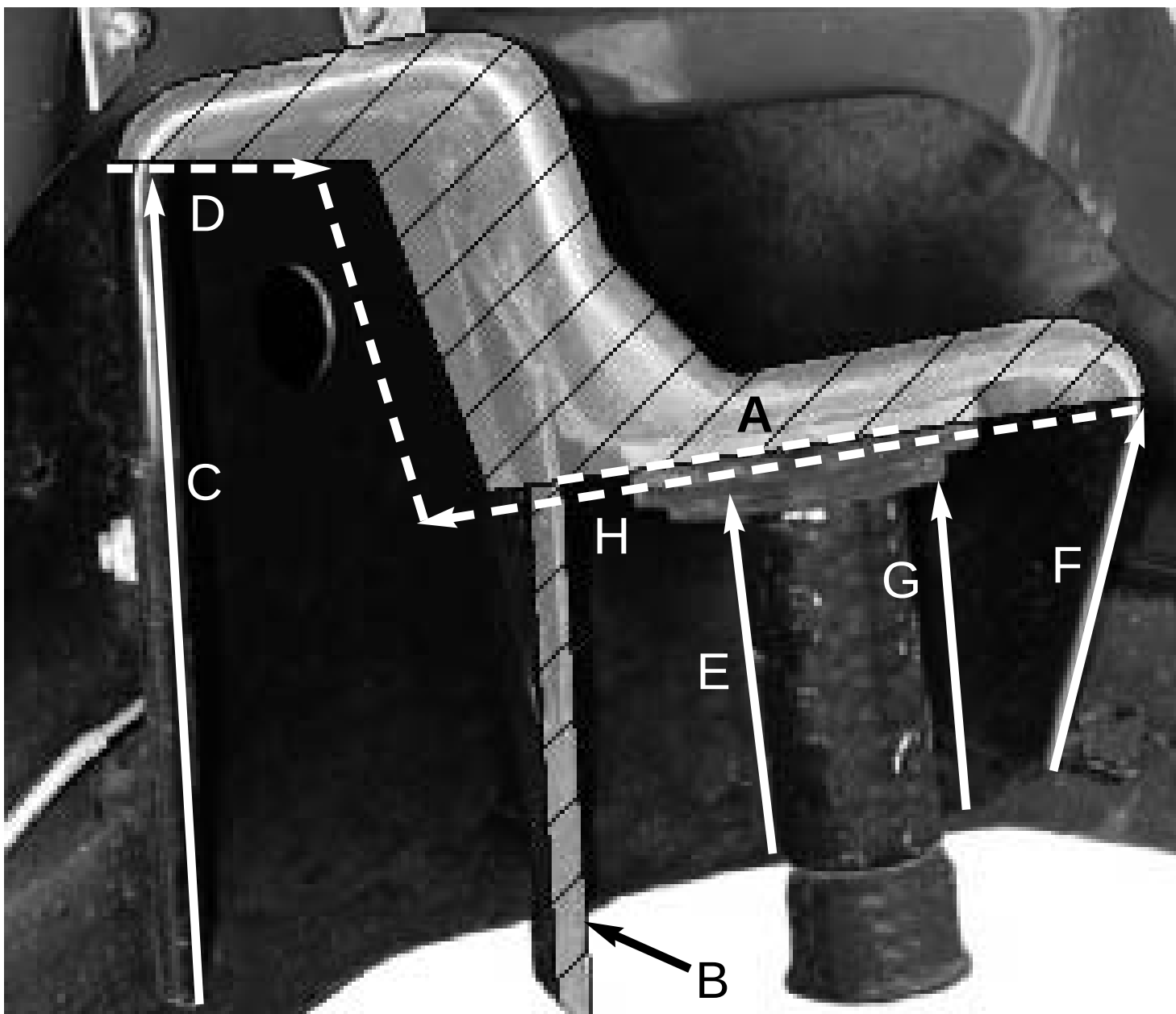
Photo #1



Photo #2



Photo #3



Dash Marks are Cuts.

Solid Lines are Measurements.

IMPORTANT NOTES:

*** It is recommended that a qualified mechanic perform this installation.**

*** Be very cautious when using cutting torch. Make sure to use a shield behind coil tower to protect all fuel lines. Be sure to protect all brakelines as well.**

"A" = Using cutting torch, cut off and remove factory bump stop.

"B" = Locate the brace that runs between coil tower and shocks tower. This bracket should be cut lengthways so that there is only 3/8" sticking out away from the frame. (See diagram on next page).

"C" = Measure 10.25" from bottom of tower up towards the top of the shock tower and make a mark on the outside edge. Then, carry mark around to the inside at the center of the bend.

"D" = From mark made on center of the bend on step "C" move over 1.5" and draw a line.

"E" = Measure from the bottom of frame rail up 6 1/8" and make mark.

"F" = Measure from the bottom of coil tower 5.5" and mark. Carry the mark on to the inside of the coil tower to the bend.

"G" = Measure From bottom of frame 5.75" and make a mark in the center of the bend.

"H" = Using a flat edge, connect marks "F" to "G". Using a flat edge, connect marks "G" to "E". Line should come out 5.5" from mark "G". Connect the end of line "H" to the end of line "D". Now cut along lines as shown in picture.



Photo #A



Photo #B



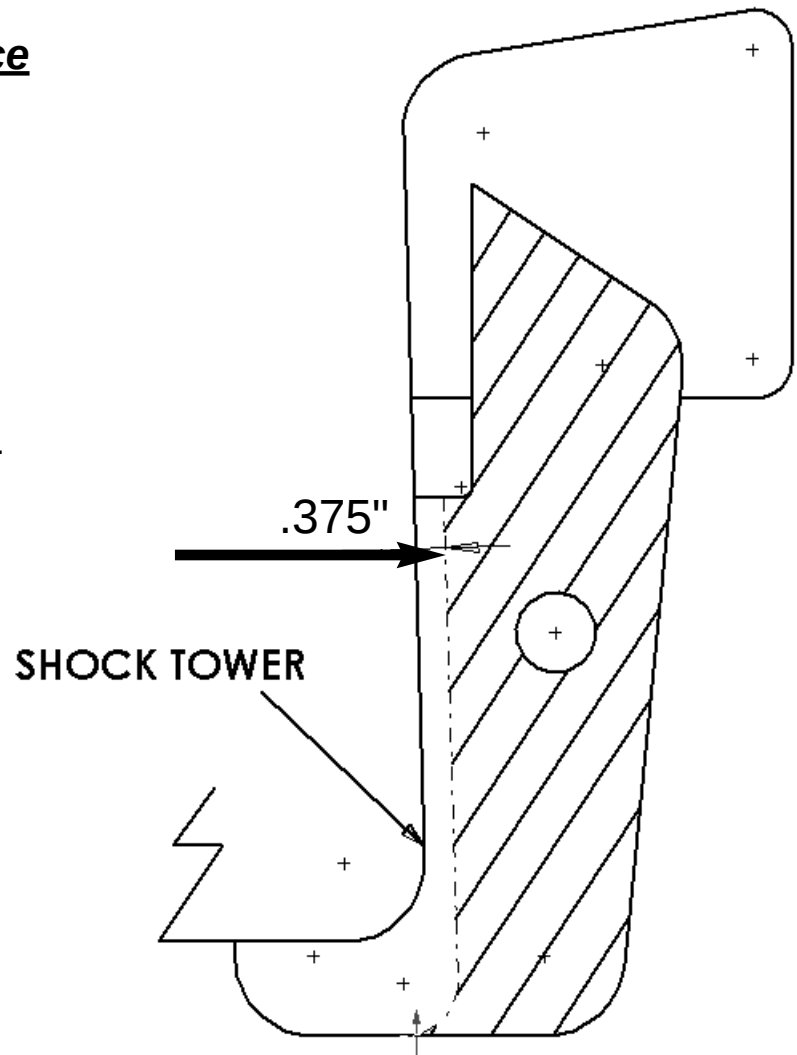
Photo #C



Photo #H

Factory Shock Tower Brace

This diagram shows the brace from step "B" on the previous page. The shaded area is what will be removed.



5. After all cuts are made, use an angle grinder to smooth all edges.
6. Install outer plates onto upper tower. Plates should fit flush. Depending on accuracy of cuts to tower, some grinding may be necessary to plates or tower to allow proper fitment.(2003-06 TJ's will need modification to side braces on frame).
7. Install center bracket and line up with holes on outer plates. Attach center bracket to outside plates using 7/16 x 1 1/2 fine thread bolts, washers and nuts. Bolts will install from the inside pointing out. Do not tighten at this time.(2003-06 TJ's may need spacers for center bracket)
8. Using a C-Clamp attach back brace on center bracket to frame.
9. With C-Clamp in place, tighten the upper bolts that connect center bracket to outer plates.
10. With upper bolts tight, drill 1 hole on each side of the lower brackets using 7/16 drill bit. Once these holes have been drilled, install and tighten all bolts. Then remove C-Clamp and drill 7/16 hole for back mounting brace and install 7/16 x 1 1/2 fine thread bolt with washers and nut. Be careful not to drill through any brakelines or fuel lines on opposite side of frame rail. When this bolt has been installed and tightened, drill remaining lower holes.
11. Once all holes have been drilled, install and tighten all bolts being sure to use washers on both sides.



Lower Axle bracket installation.

- The lower bracket is made to fit the **factory Dana 30** front differential. If you have an aftermarket front axle such as Dana 44 or Dana 60 please skip to step 15.
12. Place bracket over axle mount with spacers under rear of mount. The spacers will install at the factory shock bar pin holes.
 13. Using a 9/16 wrench, install the 3/8 x 2 fine thread bolt into the rear holes on the bracket. A 3/8 washer should be used on both sides of the nut. Tighten these bolts at this time being sure that front hole on axle pad is lined up at center.
 14. With rear bolts installed, drill upper front axle mount using 29/64 drill bit. Once drilled, attach front of bracket to axle using 7/16 x 1 1/2 fine thread bolt, washers, and nut. It may be necessary to use a pair of long pliers to hold the nut while starting the bolt.
 15. If using a front differential other than factory, two tabs must be welded to front differential as shown in picture #15. These tabs should be properly welded to insure that there is no failure to the mount.



16. With all brackets installed and tightened, it is now time to install the Coil Over assembly. Please refer to page 6 for instructions on proper assembly.
17. Attach upper shock mount to bracket using 1/2 x 2 1/2 fine thread bolt, washers, and stover nut.
18. Attach lower shock mount to bracket using 1/2 x 3 fine thread bolt, washers, and self-locking nut.
19. Once all adjustments have been made, check all pieces for accurate installation and tightness.



- * After install is complete, check all hardware and brackets for accurate installation. Be sure all bolts are tight and properly installed.**
- * Readjust headlights to proper setting.**
- * Check all bolts for tightness after the first 100 miles.**

Seat Belts Save Lives, Please Wear Your Seat Belt

Platinum Series Coil Over Assembly

- Each Platinum Series Coil Over assembly will require assembly prior to installation. The final settings will have to be made when installation occurs. The final adjustment will differ depending on engine size, winch, bumper, accessories, etc.
- Both coil over assemblies should be adjusted to the same length prior to installation. It is **VERY IMPORTANT** that prior to installation the coil does not have any slack between the mounting cups. At no time during axle travel should the coil lose contact with the upper and lower spring seats!
- When final adjustments are made the setscrew should be tightened. At no time should the coil over assembly be installed without the set screw being tight!
- Do not adjust Coil Over assembly outside of lift height specifications. This will result in limiting the shock travel causing possible damage to the shock and other components.

1. Photo #1 shows the shock the way it will be received in the box.
2. Install coil onto shock and slide up. Install lower spring seat on to shock.
3. With lower spring seat installed, stand shock up straight. Loosen the set screw on the upper spring seat. Adjust upper seat down by hand. The upper seat should be tightened onto the coil by hand. Tighten the upper seat by hand as much as possible. Make sure the coil sits flush with the upper and lower spring seat. The coil seat should never be loosened beyond this point!
4. Install the Platinum Series Coil Over assembly into the vehicle. Let the weight down on vehicle. Measure the gained lift height. It will now be necessary to adjust the upper coil seat to gain desired lift height. Raise the vehicle so that there is no load on the coil. Adjust the upper seat using a spanner wrench to gain desired lift height. Adjust both driver and passenger side coils to the same height. Let the weight back down on the spring to check the lift height. Repeat this process until accurate lift height is gained.
5. Once adjustment is done, tighten the set screw on the upper seat. Tighten the screw gradually so the upper spring seat does not move. Be careful not to overtighten the set screw. Not tightening the set screw may allow the coil to become loose causing possible damage to the shock and other components. This could result in possible injury or death.

