

63900

FULL THROTTLE SUSPENSION

2009-2013 DODGE 2500 6" GAS KIT
2009-2012 DODGE 3500 6" GAS KIT



63900 COMPONENT BOX 1

- 1) Left Shock Hoop
- 1) Right Shock Hoop
- 2) Upper Shock Mounts
- 1) Left Lower Axle Brackets
- 1) Right Lower Axle Brackets
- 2) Hoop Connector Brackets

Hardware List

- 2) Sleeves .565" X 1.0" X 2.75"
- 4) 1/2 X 1 1/2 Bolts
- 4) 1/2 X 3 1/2 Bolts
- 2) 1/2 X 4 1/2" Bolts
- 2) 1/2 X 7 Bolts
- 8) 1/2 Nylock Nuts
- 14) 1/2 Washers
- 2) 9/16 X 3 1/2 Bolts
- 2) 9/16 Nylock Nuts
- 4) 9/16 Washers
- 4) 7/16" X 1 1/4" Bolts
- 2) 7/16" X 3 1/4" Bolts
- 6) 7/16" Nylock Nuts
- 12) 7/16" Washers

1) Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the frame rails with jack stands. NEVER WORK UNDER AN UNSUPPORTED VEHICLE! Remove the front tires.

2) Support the front axle with 2 floor jacks.

3) Remove the bolts attaching the brake line tabs to the front axle.



4) Remove the front sway bar end links from the axle mount.



5) Disconnect the ABS wiring.

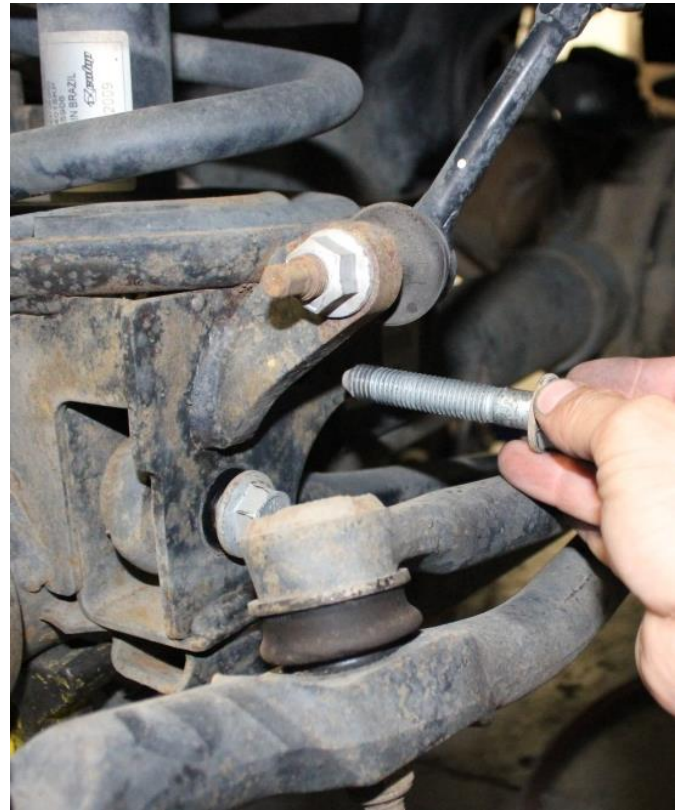
6) Remove the hardware attaching the drag link to the pitman arm and separate the tie rod end from the pitman arm. Save the hardware.



7) Remove the nut securing the track bar to the frame and separate. Save the track bar hardware.



8) Remove the top nuts on the front shocks and the lower bolts securing the shock to the axle. Leave the shock loose inside the factory coil spring at this time. Save the lower Hardware and discard the upper.



9) Leaving the front axle supported on the 2 jacks raise the truck enough to remove the coil springs and shocks. Save the upper rubber insulator and discard the shocks. **USE XTREME CARE WHEN WORKING WITH COILS THAT ARE UNDER LOAD!**



10) Remove the 3 nuts holding the shock tower on, discard the tower , ring and hardware.



12) Mount the shock hoop to the upper bracket using the 1/2" x 1 1/2" bolt,



Double Shock Instructions

11) Install upper double shock bracket using the 7/16" x 1 1/4" Hardware on the back 2 bolt holes. Use the 7/16" x 3 1/4" on the front hole attaching the shock hoop bracket.



13) With the shock hoop mounted against the frame, Center punch the lower hole.



14) Drill the lower hole 1" thru the outside of the frame and 1/2" thru the inside. Install the supplied frame sleeve



15) After drilling the 1" hole thru the outer portion of the frame insert the sleeve into the frame



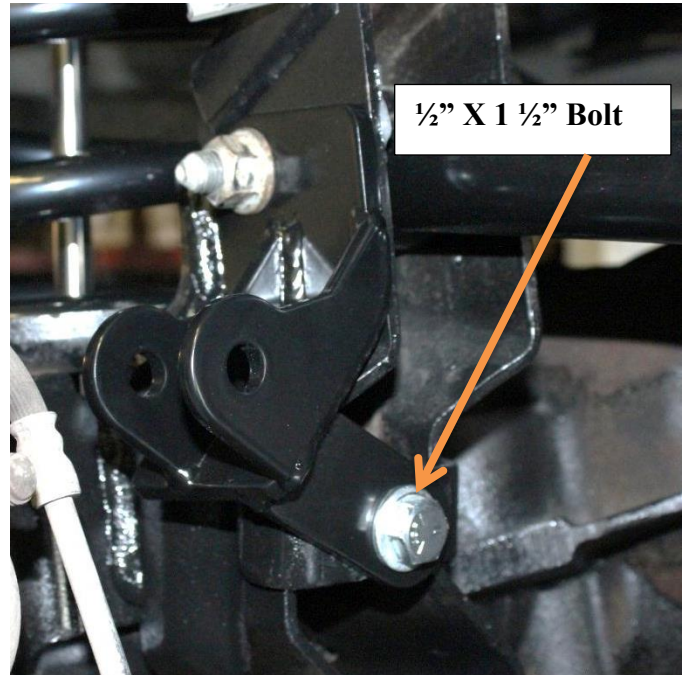
16) Install the shock hoop using the 1/2" x 4 1/2" hardware thru the lower hole and the 1/2" x 1 1/2" thru the upper hole.



17) Drill out the rear hole to 1/2" or slightly larger.



18) Install the lower shock brackets using the factory hardware on the upper hole, Use the 1 1/2" thru the lower back hole. Torque the 1/2" hardware to 70ft.-lbs.



19) Before install the shock into the truck, you will need to install the bushing in the bottom of the shock. The sleeve in the bottom should measure .565 thru hole and 1.625 wide

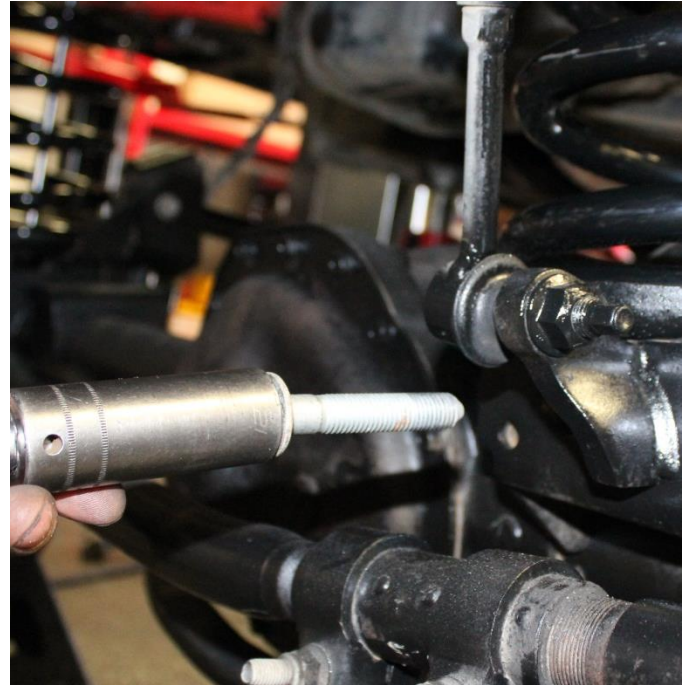


20) BEFORE INSTALLING ON THE TRUCK. The shocks must be placed inside the coil spring before it is installed

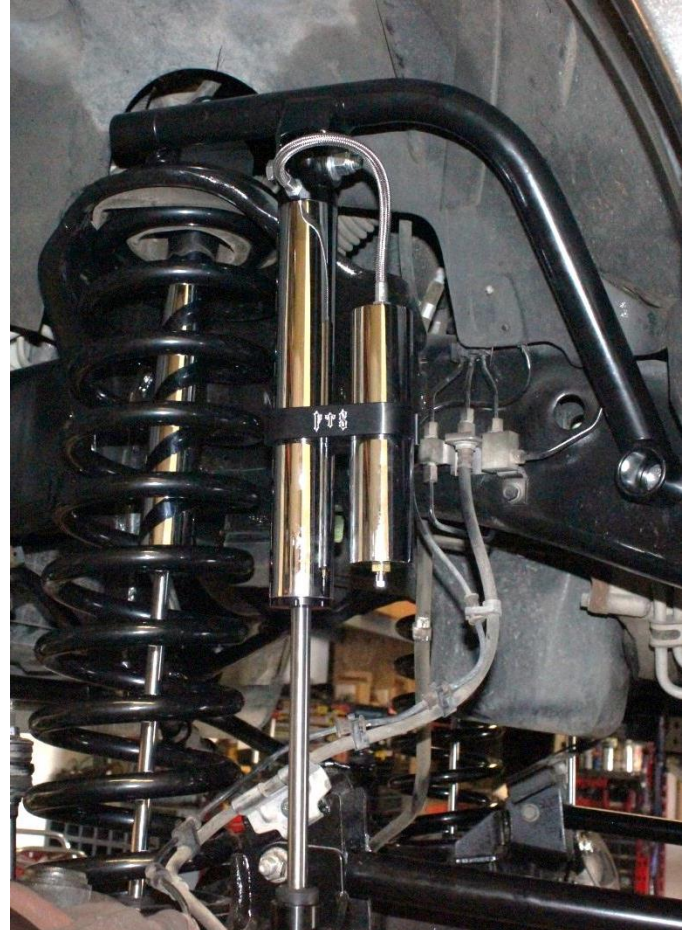
21) Install the front coil springs, put the shock inside the coil spring and then slide the coil and shock into position. Attach the top of the shock using the supplied aluminum spacers and the ½" 4 ½" hardware.



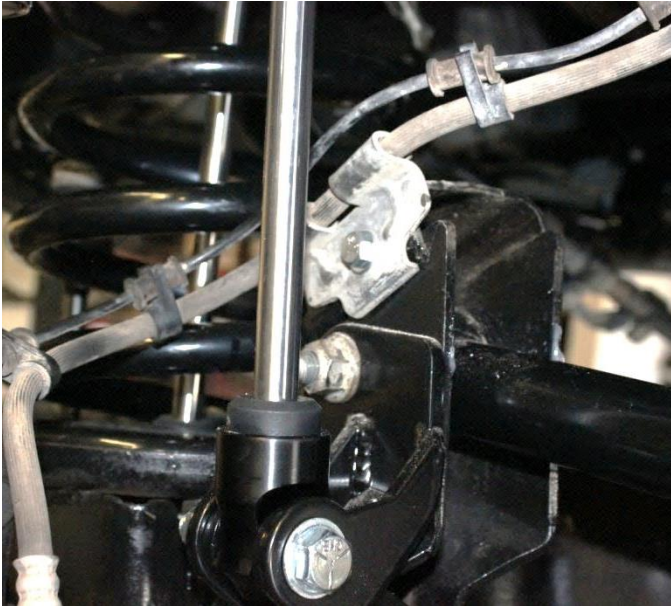
22) Jack up the axle to compress the coil spring enough to get the lower shock bolt in.



23) Attach the front shocks to the upper and lower mounts. You will use the supplied hardware for the upper mount and factory lower hardware. Torque the upper hardware to 35 ft. lbs. and the lower hardware to 60 ft. lbs.



24) Install the lower shock mount using the ½” x ¾” hardware.



25) Connect the factory tie rod to the pitman arm .Torque the original nut to 45 ft.-lbs. Use Loctite on the threads

26) Connect the track bar using the supplied factory hardware torque to 125 ft.- lbs.

Product Warranty and Warnings

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