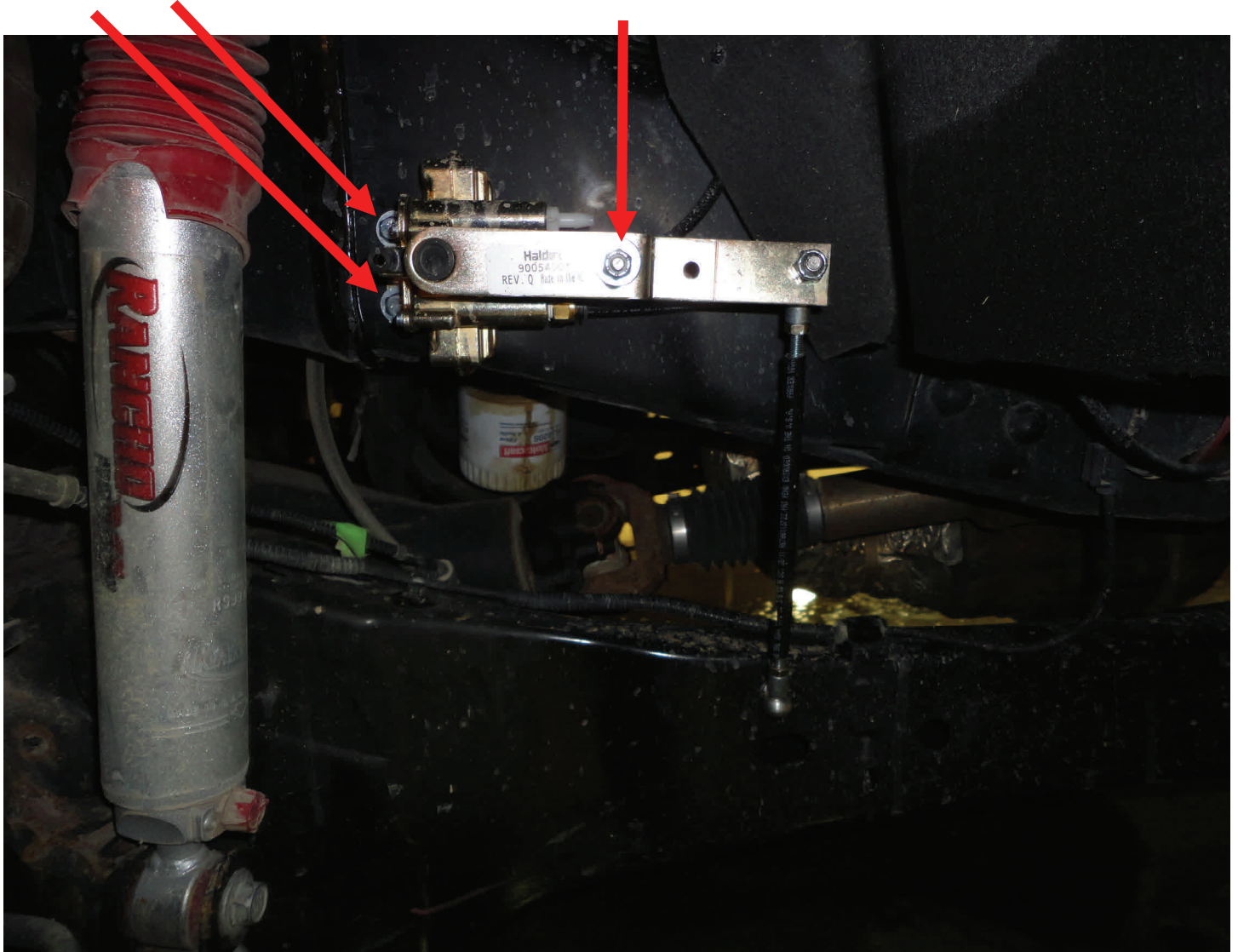


2005+ front mechanical height control valve install instructions

1. Once the air ride installed, inflate the bags so they measure 8" tall. This is the distance between the upper and lower air bag mounts.
2. The height control valve mounts just to the back side of the shock mount tower. Hold the valve up so that there is enough room to drill and tap 2 holes to fasten the valve to the frame. Use a marker to locate the holes and drill two 7/32" holes. Use a 1/4-20 tap to tap the holes. Use the 1/4x1" bolts with flat washers and lock washers to fasten the valve to the frame.

1/4" bolts

Fine tune adjustment



3. Locate the ball stud. It mounts just above the oval cut out in the trailing arm. You can drill a 9/32 hole and tap it to 5/16-18 or drill a 3/8" hole in the trailing arm and slide the nut in through the oval.
4. Connect the trailing arms to the lower ball stud. Use the fine tune adjustment on the height control valve to make sure the truck sets level side to side. You can also lengthen the linkage and 1/8-3/16" if needed.
5. The top port is exhaust. The middle port goes to air bags. The bottom port goes to the air tank.