



Ranger 900 XP 8" Lift Kit



Contents

- Right Front Upper A-arm
- Left Front Upper A-arm
- Right Rear Upper A-arm
- Left Rear Upper A-arm
- Right Front Lower A-arm
- Left Front Lower A-arm
- Right Rear Lower A-arm
- Left Rear Lower A-arm
- Left Tie Rod Assembly
- Right Tie Rod Assembly
- Right Front Bracket (2 Plates, Bolts, and Nuts and 4 Washers)
- Left Front Bracket (2 Plates, Bolts, and Nuts and 4 Washers)
- Right Rear Bracket (2 Plates, Bolts, and Nuts and 4 Washers)
- Left Rear Bracket (2 Plates, Bolts, and Nuts and 4 Washers)
- Rear Shock Spring Spacer x 2
- Muffler Bracket (Bracket w/ Bolt, Nut, and 2 Washers)
- Replacement Brake Line (Replaces front right line which is used to replace front left line)
- Replacement Axles (2 front and 2 rear)

Instructions

- Elevate Ranger and secure with jack stands.
- Remove tires, shocks, brake calipers, hubs, bearing carriers, axles, a-arms, tie rods, and rack boots.
- Remove the bushings and bushing tubes from the stock a-arms and install into the lift a-arms.
- Remove the ball joints from the stock front a-arms and install them into the lift front a-arms.
- Install the steering clevises: (See Image A)
 - a. With the tie rods and boots removed from the steering rack, turn the steering wheel clockwise until it stops.
 - b. Insert Steering Rack Clevis (A) into the steering rack tube on the driver side of the rack. (Apply red thread locker to threads)
 - c. If the notch Steering Rack Clevis does not tighten down in a vertical position, a shim (B) will need to be added behind the clevis. (Tighten as tight as possible)
 - d. Insert Rod End (C) into the clevis and secure with supplies Allen head bolt (D) and Nylock-nut (E). (Tighten nut)
 - e. Install the rack boot back into place so that the threaded end of the rod end is exposed out the small hole of the boot.
 - f. Place jam nut (F) onto the rod end and install the new tie rod onto the rod end.
 - g. Turn the steering wheel counter-clockwise until it stops and install a ziptie on inner lip of boot.
 - h. Repeat process on passenger side.
- Install the lift a-arms using the stock hardware.
- Install the lift axles, bearing carriers, and hubs using stock hardware. (Do not tighten upper ball joint pinch bolts.)
- Attach the outer end of the tie rod to the bearing carrier using the upper ball joint pinch bolt, spacer bracket, and provided bolt and nut. . (The hole in the carriers that is used to attach the tie rod ends must be drilled out to 1/2")- See Image B

- Remove the two muffler isolators holding the muffler to the frame. Place muffler bracket over muffler pin attached to the frame. Mark the frame for a 5/16" hole to attach the muffler bracket. Drill hole and attach muffler bracket with supplied bolt. Reattach muffler using only one isolator mount and the supplied hardware. - See Image C
- Install front shock brackets so that the "S3" can be read from the front of the ranger. (The bracket plates and spacers go on the inside of the frame rail.)- See Image D+E
- Install the rear shock brackets so that the "S3" can be read from the rear of the ranger. (The bracket plates go on the outside of the frame rail and the spacers on the inside.)- See Image F+G
- Install the rear spring spacers onto the rear shocks. (A spring compressor will be needed.) - See Image H
- Install shocks using stock hardware.
- Remove both front brake lines. Install stock right brake line to the left caliper and install the supplied brake line to the right caliper. Reattach both lines to the master cylinder.
- Remove the screws holding the rear brake line splitter block to the frame. Starting at that block, trace the brake line running to the master cylinder and remove clamps holding the brake line in place. (This will allow the brake lines to have enough slack to install the calipers to the bearing carrier.)- See Image I
- Reinstall rear brake calipers.
- Check ALL hardware for tightness and reinstall tires
- Adjust front end alignment and bleed brakes.
- Test ride and recheck ALL hardware.

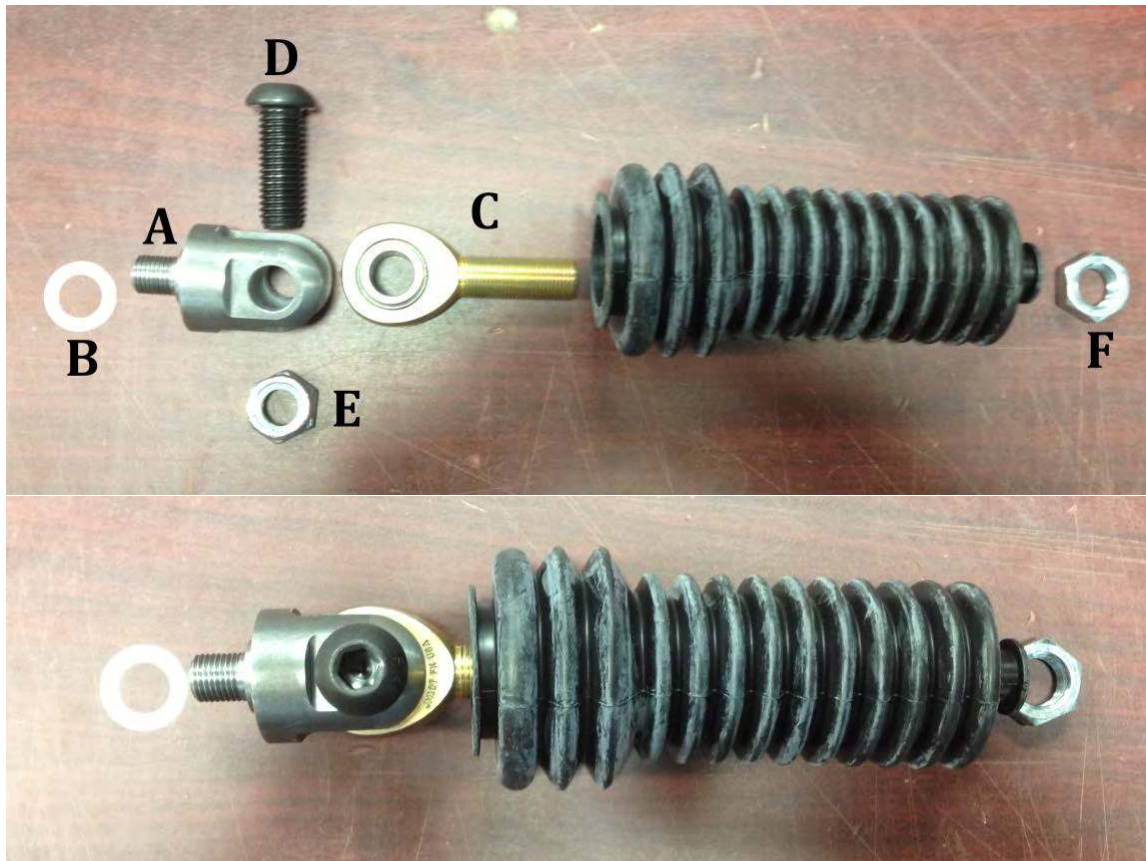


Image A



Image B



Image C



Image D

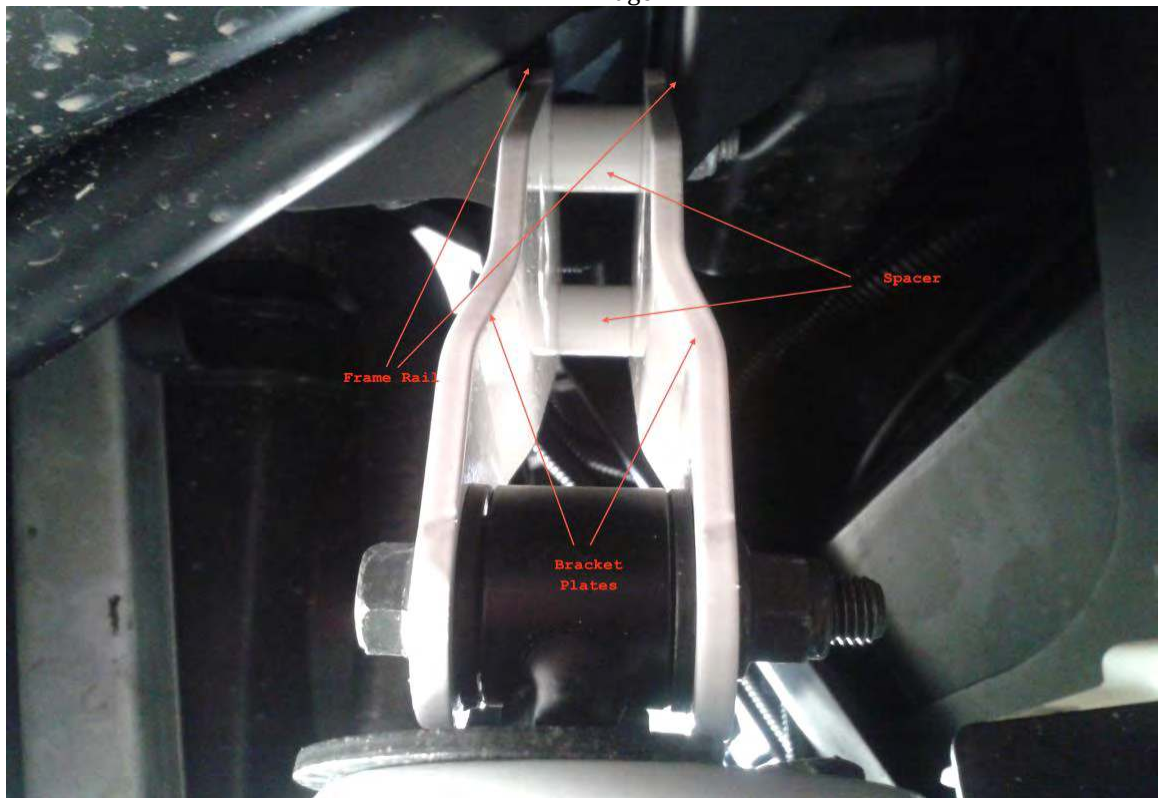


Image E



Image F

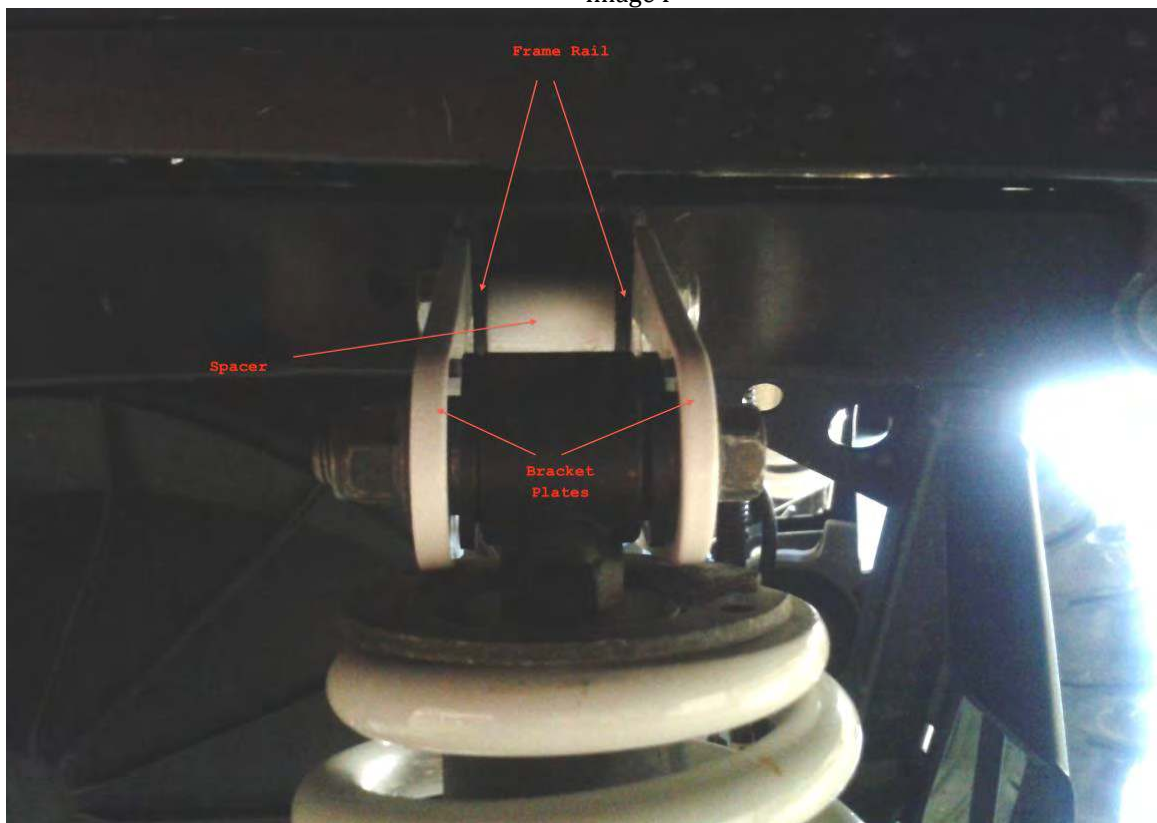


Image G



Image H

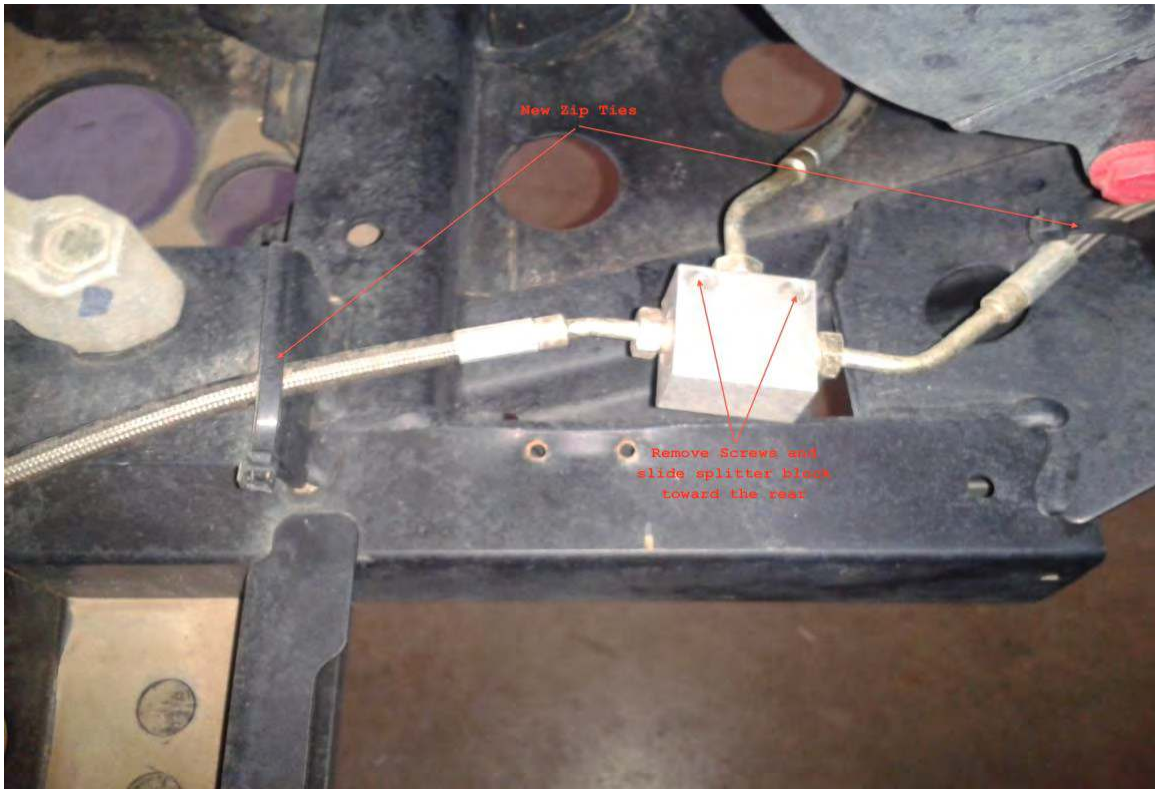


Image I