



1937-1939 Chevy Car Rear Leaf Spring Installation Instructions

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**CHECK ALL PARTS INCLUDED IN THIS KIT TO THE PARTS LIST BEFORE INSTALLATION.
IF ANY PIECES ARE MISSING, PLEASE CONTACT: TOTAL COST INVOLVED 866-925-1101**

Note:

These instructions are for the replacement of the existing factory rear leaf spring suspension. Read through all of the instructions before beginning the installation

Place the vehicle on a hard level surface and use an appropriate jack and jack stands to raise the vehicle of the ground.

Remove the bed, rear wheel, rear axle assembly, and the existing rear leaf spring suspension.

Remove the rivets from the front and rear leaf spring hanger brackets on the frame. Use a grinder to grind down the heads of the rivets, then use a hammer and chisel to tap them out.



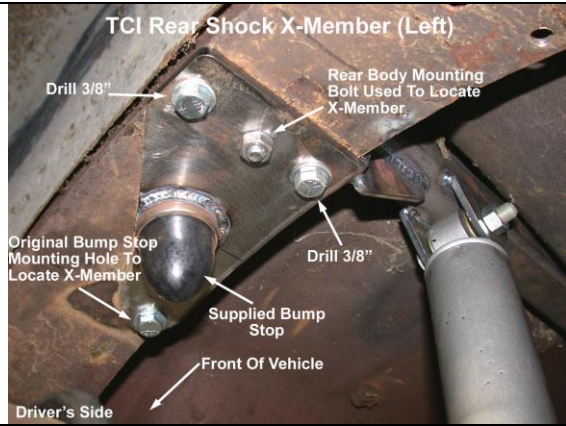
Figure 1

Install the new front leaf spring hangers. (*Note: There is a left and right front hanger.) Match the holes in the brackets to the rivet holes in the frame. Three of the holes on the side of the frame will line up and you will need to drill two of the bottom hole. When the brackets are placed correctly, the tabs to hold the spring should be to the rear of the vehicle. (See Figure 1)



Figure 2

Install the new rear leaf spring hangers. Line up the rear holes in the bracket with the rivet holes in the frame. (See Figure 2)



Install the new leaf springs. The leaf spring should be positioned with the pressed-in bushing in the front hangers (toward the front of the vehicle). The empty spring eye will take the shackle bushing and attach to the rear hangers with the shackles.

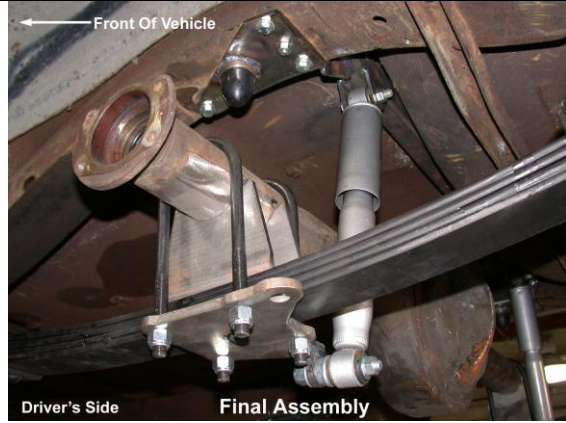


Figure 4

Set the spring pads on the centering pins on the leaf springs. Then set the rear axle assembly housing in place, centering the housing from side to side accounting for wheel position in the fender wells. Check the pinion angle. The pinion angle should be 5 degrees up. Adjust the pinion angle and side-to-side position of the rear axle assembly until it is properly aligned. When the rear axle assembly is properly aligned tack weld the axle pads to the rear axle assembly housing. *Note: Leaf spring pads are center to center at 40.125" (See Figure 4)

Install the U-bolt and 5-hole plates positioned so that the shock mounting tabs are to the back of the axle assembly housing and toward the center of the vehicle. Tighten all nuts on the U-bolts. (We recommend a torque of 60 lbs. /ft.)



Next install the shocks crossmember. Measure 28.8750" from the back bed mounting hole. (See Figure 3a, b, c) Scribe a line both sides of the frame at 28.8750". Center the crossmember (mounting hole on the crossmember is 42"). Drill a 5/8" hole on the frame. Place the crossmember in place, and bolts it down. Then install the shock studs into the tab on the U-bolt 5-hole plate. Now bolt the lower shock eye onto the lower shock mount. (See Figure 4)

35-48 Leaf Spring	18	3/8 - 24 x 1 1/4 Bolts	18	3/8 - 24 Nyloc Nuts	4	35-48 Shackle Dog Bone
2 Leaf Spring Brackets	2	Shackle Brackets	18	3/8 Flat Washers	2	7/16 - 20 x 5 Bolts
4 Shackle Pins	12	7/16 - 20 Nyloc Nuts	8	Shackle Bushings	6	7/16 Flat Washer
4 U-Bolts	2	1/2 - 20 x 4 Bolts	2	5-Hole Plates	12	1/2 - 20 Nyloc Nuts
2 Spring Pads	4	1/2 Flat Washers	2	Shocks	2	5/8 - 18x4 1/2 Bolts
2 Shock Crossmember	2	5/8 - 18 Nyloc Nuts	2	Shock Studs	4	5/8 Flat Washers