

Installation Instructions

Classic Truck Rear 4-Bar Suspension

*Please read these instructions completely **BEFORE** starting your installation!*

Your *HEIDTS* Hot Rod Shop 4-Bar Kit contains the following items:

- 2) Axle Brackets
- 2) Frame 4-Bar Brackets
- 4) Adjustable Link Bars
- 1) Upper Coil-Over Crossmember
- 1) Hardware Kit

1. Before removing the stock rear axle and springs, be sure to mark the location of the axle on the frame so you can locate the new rear axle in the same position to insure the wheels will be centered in the rear fender openings.
2. Remove the stock rear axle and springs. Grind off the rivet heads from the front spring perches and remove the perches from the frame. Drill out the holes to 7/16" diameter.
3. Assemble the front brackets onto the frame with the 4-bar holes to the rear, using the 7/16-14 Grade 8 bolts and lock nuts supplied. Do not tighten until all the bolts are installed in the brackets.
4. Grind off the rivet heads and remove the stock rear shock mount crossmember. Drill out the holes to 1/2" dia. Bolt the new crossmember into the frame using the 1/2-13 Grade 8 bolts and lock nuts supplied. Position the new crossmember with the upper coil-over tube extensions pointing forward.
5. Position the axle housing into the frame. Rotate the housing to set the pinion angle to match the angle of the engine, see Figure 1. The engine angle must be set at this point. Adjust the bars to equal length. Assemble the bars, with the adjusters to the front, and axle brackets onto the housing using the 5/8-18 bolts and lock nuts supplied. The center-to-center dimension of the brackets is 36-1/2". Make sure that both brackets are the same distance from the ends of the axle housing. The axle brackets should be tack welded to the housing, and the assembly double checked for square and correct pinion angle. Final welding should be performed by a qualified welder.
6. Finish assembling the axle housing. Pinion angle can be fine adjusted using the lower bars. Install the coil-over shocks onto the upper crossmember and axle housing brackets using the 5/8-11 bolts, lock nuts and spacers supplied.
7. A panhard rod is required. Install it onto the axle housing and position the frame bracket against the frame boxing plate. If the rear section of the frame over the axle housing is not boxed, a small boxing plate will need to be bolted or welded in place.

