

# INSTRUCTIONS

**Southwest  
Speed**

**SWS #568-9028**

## FOUR BAR REAR SUSPENSION

1. Position frame securely on at least four jack stands at a height that allows you to work and weld comfortable under the car. Simulating ride height and rake will be helpful.

2. Determine the rear axle center line either by the location of the original rear axle or by the wheel opening of the body. Mark this location on the frame for reference.

3. Place the rear axle in place under the frame and position according to the marks you placed on the frame. Support properly under the axle and the pinion. Choose a common hole in frame on each side as a reference to measure from. Also measure from the frame to the axle flange or other common point to center the axle side to side.

4. Assemble the four bar assembly. You absolutely, positively, must use anti-seize on the rod end and jam nut threads! Failure to do so will cause the threads to gall and seize up. There is no warranty on galled threads! Press the bushings and sleeves into the rod and four bar ends. Thread the rod ends and jam nuts in approximately 3/4 of the length of threads. Counting the number of turns assures the bars will be the same length as the other three. It makes no difference whether the rod ends are at the front or the back, but you will have to try each option to find which way works best for your application.



5. Clamp or hold the rear axle in place. The front bracket will normally need to be fitted to the frame. On some applications you may be required to trim over half of the front bracket away and weld a sleeve in the frame rail to mount the upper four bar. Each car is different and needs to be dealt with in a one on one basis. Mark the front bracket and trim as required. The individual four bars should have the same spacing both front and rear and would normally be level with the car at ride height.

6. Once front brackets are fit to the frame, measure again to make sure the axle is still in place and tack weld the front brackets only in place. Set the pinion angle as required and measure axle placement one more time before tack welding rear brackets in place. Tack weld rear brackets. Measure one more time. If axle placement is incorrect, grind away welds and move as needed.

7. Install panhard bar and tack weld panhard bar bracket to frame. Measure again.

8. You will have to get the car on tires to determine shock mount locations and final ride height.

9. Once satisfied with the installation and measurements, finish welding. Allow to cool and measure front to back on each side and cross measure to locate rear axle perfectly with the front axle.