



Steering, Brake & Suspension Specialists

# #CP412 - Installation Instructions

## Rear 4-Bar Sway Bar for Trucks - 34" Wide Frame Rail

This is a preliminary instruction sheet for internal information only, pending further information from manufacturers and suppliers. These instructions may or may not be accurate; use at your own risk.

### Note:

Read these instructions completely before attempting this conversion.

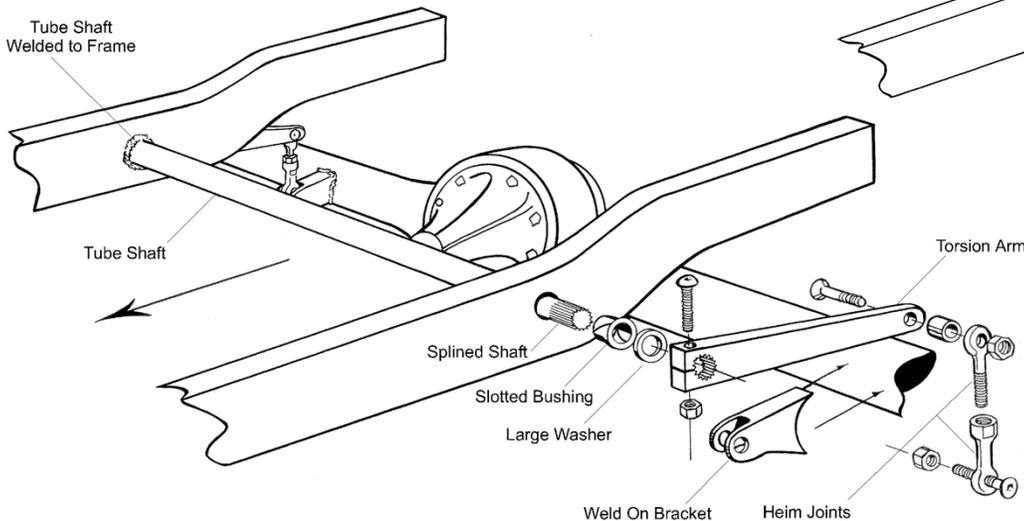
Make sure this kit fits your application before painting or plating. Parts that have been painted, plated or modified may not be returned.

### Instructions:

1. Allow suspension to hang or not?
2. Bore or hole saw a 1-1/4" hole through both sides of the frame located 12" forward of the centerline of the axle and 1" from the top of the frame as shown in the diagram.
3. Insert the tube through the hole and weld into place inside the frame rails.
4. Insert the plastic bushing into the tube on both ends and then the splined shaft.

5. Place the large washer on the shaft. Attach splined end of the torsion arms to the splined end. Be sure that the torsion bars are timed to each other (mounted in exactly the same position on both ends of the shaft) and pointing toward the rear of the vehicle
6. Attach the male and female heim joints to the torsion bars using the countersink allen bolt pointing toward the outside of the vehicle.
7. Attach the weld on brackets pointing downward using the as shown in the diagram.
8. Weld the brackets into place making sure to leave enough play in the heim joints to prevent binding with the brackets when suspension travels.

**PLEASE NOTE:** The installer needs to make sure that nothing can make contact with a brake hose, caliper, or other brake component at any point through the entire range of steering and suspension movement. The installer also needs make sure none of the steering or braking components can become bound or jammed at any time through the range of suspension or steering movement.



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GENERAL TORQUE SPECIFICATIONS:					
1/4"	grade 5	10lb/ft	1/4"	grade 8	14lb/ft
5/16"	grade 5	19lb/ft	5/16"	grade 8	29lb/ft
3/8"	grade 5	33lb/ft	3/8"	grade 8	47lb/ft
7/16"	grade 5	54lb/ft	7/16"	grade 8	78lb/ft
1/2"	grade 5	78lb/ft	1/2"	grade 8	119lb/ft
9/16"	grade 5	114lb/ft	9/16"	grade 8	169lb/ft
5/8"	grade 5	154lb/ft	5/8"	grade 8	230lb/ft

NOTE: With 18" and larger wheels we recommend 1/2" wheel studs. The larger the wheel diameter, the greater the force is on the wheel studs. Please inquire about replacement wheel stud kits available from CPP.