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C/E 6025 Strut Installation Jig

PARTS LIST:
1...72" Piece 2 x 2 Tubing
1...24" Piece 1 x 1 Tubing
2…Strut Mount Fixtures

The Chassis Engineering Strut Installation Jig is designed to aid you in the correct installation of your struts. This jig is designed to hold the struts at the correct height, caster and camber angles until the control arms are built, the upper strut chassis tubes and upper strut mounting brackets are in place.

INSTALLATION:

1. Tack weld one strut support mounting post to the strut jig main rail (2 x 2 Square tubing), making sure that it is 90° in both directions. Place the strut jig under the frame rails on the spindle centerline (pre-determined and marked on the floor or jig table) with the mounting post on the driver side. If wanted, tack weld the 1 x 1 square tubing to the end of the 2 x 2 to help support the assembly. Make sure everything is square.

2. To make centering the strut jig somewhat easier, measure and mark a spot 1 inch in front of the spindle centerline at both ends. Snap a line between the two. Now you can line up the front edge of the jig instead of trying to center it on the original line. Please note that the strut mounting jig is designed for 24" tall tires. If you are using a taller tire, you will need to adjust for the difference by shimming the jig upward to make up the difference.

3. Assemble the struts with the lower stud, steering arm and hub with bearings. Bolt the driver side strut to the mounting post on the jig by placing the spindle shaft through the hole in the mounting post and secure with the spindle nut. This enables the strut to mounted at 0 degrees camber and set at 8-10° of caster while the upper and lower mounts can be made and placed into position.

4. With the strut mounted to the jig assembly and lined up with the spindle centerline, slide the jig towards the frame rail until you have a measurement of 16 inches from the outside of the frame rail to the wheel mounting surface of the strut hub. This distance can vary depending on the track width needed. Once this position has been established, tack weld a piece of scrap steel on each side of the chassis from the frame rails to the strut jig to hold it all in place.

5. To start assembling the passenger side, measure the distance from the driver side frame rail to the driver side mounting post. Place the passenger side mounting post at the same distance from the frame rail. Make sure that the mounting post is 90 degrees from front to back and side to side and tack weld into place.

6. Mount the second strut to the jig as described earlier in the instructions. Check the track width after the strut is mounted. Use an angle finder on the steering arms to set the struts at 8-10° of caster. Both sides must be the same.

7. Construct your upper strut bars and mounts to fit you struts. Construct the control arms according to the manufacturers' instructions.