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C/E 4115 - Light Weight Front End Mount

Parts List:

2...Frame Mounting Bracket	2...Side Locator Tab
6...Body Mount Plates	2...24" Pcs. 5/8" Tubing
6...24" Pcs. 5/16" Tubing	2...36" Pcs. 5/16" Tubing
1...48" Pc. 3/4" Tubing	

Note: The car must be at ride height before starting the installation.

1...Tack weld the frame mounting brackets to the top of each frame rail. The brackets will have an offset of 3/4" to 1 inch from the front of the bracket to the rear of the bracket. (See Drawing) The front of both brackets will angle towards the center of the car. The bottom of the brackets will have to be ground or sanded to fit the shape of the frame rails when angled.

2...Slide the 48" piece of 3/4" tubing into the frame mounting brackets and center from side to side measuring off the frame rails. Slide one side locator tab onto each end of the 3/4" tubing and slide them in until they touch the frame mounting brackets and clamp in place.

3...Slide one 24" piece of 5/8" tubing into each end of the 3/4" tubing so there is only about 6" sticking out of the tube.

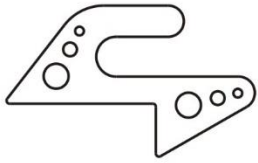
4...Position the front end on the car at the correct height and centered side to side. Slide the 5/8" tubing out until they meet the front end. Cleco or rivet one of the body mounting plates on the inside of each side of the front end so the 5/8" tube meets the mounting plate in the center. (**Note:** the body mounting plate may have to be bent to fit the shape of the front end and the end of the 5/8" tubing may have to be ground or sanded to fit the shape of the front end mounting plates.) Once the plates and tubes are fit go ahead and tack weld the 5/8" tubes to the mounting plates and the 5/8" tubing to the 3/4" tubing where it slides inside. Check that the front end is still centered and then tack weld the side locator tabs to the 3/4" tubing making sure that they are the same angle as the frame mounting brackets and that they are level with the frame rails.

5...Cleco or rivet one of the body mounting plates in the center of the front end as low as you can get it. Fit and tack weld two of the 36" pieces of 5/16" tubing from the center of the body mounting plate to the 3/4" cross bar just inside the side locator tabs. (See Drawing)

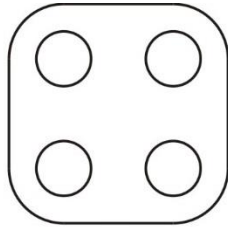
6...Cleco or rivet the remaining body mounting plates to the top of the front end to support it. One in the middle and one on each side. Cut and fit the remaining 5/16" tubing to go from the center of each mounting plate to the front cross bar as shown in the drawing. Two pieces of tubing for each plate.

7...Remove the mounting assembly from the front end and weld completely.

8...Grind the fiberglass at least 2" larger than the body mounting plates before reinstalling the front mount. Rivet the mount in place from the outside and fiberglass all the body mounting plates in place.



Frame Mounting Bracket



Body Mount Plate



Side Locator Tab

Frame Mounting Bracket

