



INSTALLATION INSTRUCTIONS
BOLT-ON SUBFRAME CONNECTORS
P/N'S: C3112, C3113, C3114 & C3116

These Bolt-on Subframe Connectors were created to provide a solid connection between the front and rear frame rails on uni-body constructed vehicles. By design, they will eliminate the flexing which is common with these types of vehicles. If you desire, these components can be welded to the subframes to provide increased rigidity over the bolt-on installation. Competition Engineering Bolt-on Subframe Connectors do not relocate the leaf springs inboard. To accomplish this, we recommend our line of Weld-In Subframe Connectors.

PARTS LIST

- | | |
|-------------------------------------|--------------------------------------|
| 1) Bolt-On Subframe Connector, Left | 1) Bolt-On Subframe Connector, Right |
| 8) 3/8"-24 x 1" Bolts | 8) 3/8"-24 Lock Nuts |

INSTALLATION

We recommend that you install the frame connectors one side at a time.

1. Jack up the vehicle and support it under the frame in four places. Let the rear housing/leaf spring assembly hang down. Make sure the floor jack remains under the rear axle housing.
2. Loosen and remove the three bolts that hold the front spring perch to the rear subframe. Over time these bolts can become rusted and may be difficult to remove. The factory spring clips that are located in the frame may need to be replaced. These can be purchased from the parts department of your local dealership or an automotive spring shop. When the bolts are removed, lower the spring perch to the ground.
3. At the rear of the front subframe, locate and loosen the large bolt that connects the subframe to the body.
4. Slide the front portion of the Subframe Connector into the front subframe sandwiching it between the rubber bushing and the inside top of the frame rail. Do not re-tighten the bolt at this time.
5. Sandwich the rear-mounting bracket of the Subframe Connector between the rear frame rail and the spring perch. Due to variations in the spring perch stamping, it may be necessary to notch the mounting bracket on the Subframe Connector.
6. Install the three bolts that hold the front spring perch in place. Tighten the bolts to 40-ft/lbs.
7. Tighten the large bolt that was loosened in Step 3. Torque for this bolt is 70-90 ft/lbs.

*For Technical Assistance, call Competition Engineering's Tech Line at
(203) 458-0542, 8:30am-5:00pm Eastern Time*

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The following procedure is optional but highly recommended for increased strength.

1. Level the vehicle front to back and side to side. Support the Subframe Connector with the floor jack to ensure that all slack is taken up in the rubber bushing.
- 2.
3. Using the diagram as a guide, drill two 13/32" holes through the front subframe side and the Subframe Connector on each side of the frame rails.
4. Using the supplied 3/8" x 1" bolts and locknuts, secure the frame rail to the Subframe Connector.

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