SUM-770400, SUM-770401, SUM-770403

Bolt-On Subframe Connectors, Installation Instructions.

Parts List:

1 piece: Left, Bolt-On Subframe Connector
1 piece: Right, Bolt-On Subframe Connector
8 pieces: 3/8-24 x 1" Bolt.
8 pieces: 3/8-24 Lock Nut

Summit Bolt-On Subframe Connectors are designed to provide a solid connection between the front and rear frame sections on uni-body constructed vehicles. They will eliminate the flexing that is common with this type of vehicle. Summit Bolt-On Subframe Connectors can be welded to the subframes for increased rigidity. This should only be performed by a certified welder, and the installer assumes all liability for the installation.

INSTALLATION: Summit Racing Equipment recommends that you install the frame connectors one side at a time.

1. Raise the vehicle and use jack stands to support it under the frame in four places. Allow the differential and leaf spring assembly to drop down. Maintain a jack under the differential for positioning control.
2. Loosen and remove the three bolts that hold the front spring perch to the rear subframe. Lower the spring perch to the ground. (Note: The factory spring clips may become damaged during disassembly and will need to be replaced. They are available from your local dealership.)
3. At the rear of the "Front" subframe, loosen the bolt that connects the body to the subframe.
4. Slide the front portion of the Summit Subframe connector into the front subframe, positioning it between the rubber bushing and the inside top of the frame rail. (Note: Do not re-tighten at this time.)
5. Position the rear-mounting bracket of the Summit Subframe Connector between the rear frame rail and the spring perch. (Note: As a result of variations in the factory 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 position. Tighten the bolts to 40 ft./lbs.
7. Tighten the large bolt located at the rear of the front subframe, which was loosened in Step 3. Tighten to 70-90 ft./lbs.

THE FOLLOWING PROCEDURE IS OPTIONAL, BUT RECOMMENDED BY SUMMIT RACING EQUIPMENT FOR INCREASED STRENGTH AND RIGIDITY.

1. Level the vehicle from front to back and side to side. Support the Summit Subframe Connector with a jack to insure all slack is removed in the rubber bushing.
2. Using the following diagram as a guide, drill two 13/32" holes through the front subframe side, and the Summit Subframe Connector on each side of the frame rails.
3. Using the provided 3/8 x 1" bolts and lock nuts, securely tighten the Summit Subframe Connector to the frame rail.