



INSTALLATION INSTRUCTIONS

C3108

BOLT-IN SUBFRAME CONNECTOR 1993-1998 CAMARO/FIREBIRD

This product is designed to eliminate body flex, and improve both straight line and cornering performance. Installation can be accomplished in an afternoon with basic hand tools. No modification of the floor pan of factory frame rails is required.

PARTS LIST

- | | |
|----------------------------------|-----------------------------------|
| 1) Driver's side Frame Connector | 1) Passenger Side Frame Connector |
| 2) Pocket Inserts | 4) 3/8"-16 x 1-1/2" Bolts |
| 2) 3/8"-24 x 2-1/4" Bolts | 2) 3/8"-24 x 3-1/2" Bolts |
| 4) 3/8"-24 Lock Nuts | 12) Washers |

INSTALLATION

1. Remove the door sill plates and fold back the carpet to expose the floor pan.
2. Raise the vehicle front and rear. Support it in four places with jack stands.
3. Support the rear axle housing with the floor jack.
4. Loosen the two rear control arm bolts that attach the arms to the frame.

NOTE: We recommend installing one side at a time.

DRIVER'S SIDE INSTALLATION

1. Remove the Driver's Side rear control arm bolt.
2. Remove the plastic cover from the fuel line located on the front subframe.
3. Install the front of the connector so that the metal fuel line protector that is welded on the subframe connector sandwiches the fuel lines.
4. Pivot the bar upward in the rear so that the rear bracket mounts around the control arm mount.
5. Install the control arm bolt.
6. With the front of the subframe connector braced against the subframe, mark the mounting hole locations on the frame.
7. Using a 13/32" drill bit, drill up through the subframe connector and the subframe into the passenger compartment.

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

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8. Install the 3/8"-24x3-1/2"bolts with the supplied washers through the hole in the brackets from the passenger compartment side. Tighten the bolts using the supplied locknuts. Do not overtighten, as this will crush the subframe pocket.
9. Mark and drill the two holes in the rear bracket using the same 13/32" drill.
10. Install the supplied nut plates into the opening in the frame pocket. Fasten in place with the supplied 3/8"-16 x 1-1/2" bolts and washers.
11. Replace the plastic cover removed in step 6.

PASSENGER SIDE INSTALLATION

1. Remove the Passenger Side rear control arm bolt.
2. Slide the rear pocket of the subframe connector over the control arm mounting pocket on the rear frame. Re-install the bolt.
3. Pivot the front of the subframe so that the bracket is resting against the front subframe.
4. With the connector braced against the subframe end, mark the mounting hole locations on the frame.
5. Drill up through the subframe into the passenger compartment using a 13/32" drill.
6. Install the 3/8"-24x2-1/4" bolts with the supplied washers from the passenger compartment side.
7. Tighten the bolts using the supplied locknuts. Do not over tighten, as this will crush the subframe pocket.
8. Mark and drill the two holes in the rear bracket using the same 13/32" drill.
9. Install the supplied nut plates into the opening in the frame pocket. Fasten in place with the supplied 3/8"-16 x 1" bolts and washers.
10. Tighten all bolts at this time. Replace the carpet and the sill plates. Lower the vehicle to the ground.

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