



## INSTALLATION INSTRUCTIONS

P/N: C3120

### **1982-92 CAMARO/FIREBIRD BOLT-ON SUBFRAME CONNECTOR**

This product was designed specifically for 1982-92 Camaros and Firebirds that retain the factory s-pipe exhaust system. For racecars equipped with headers, we recommend using Competition Engineering's P/N: C3111 Bolt-on Subframe Connectors.

### **PARTS LIST**

- |                              |                             |
|------------------------------|-----------------------------|
| 1) Subframe Connector, Right | 1) Subframe Connector, Left |
| 4) Pocket Inserts            | 12) 3/8"-16 x 1" Bolts      |
| 6) 3/8"-16 Locknuts          | 16) Flat Washers            |
| 6) 3/8" Lock Washers         | 7) Hole Plugs               |

### **INSTALLATION**

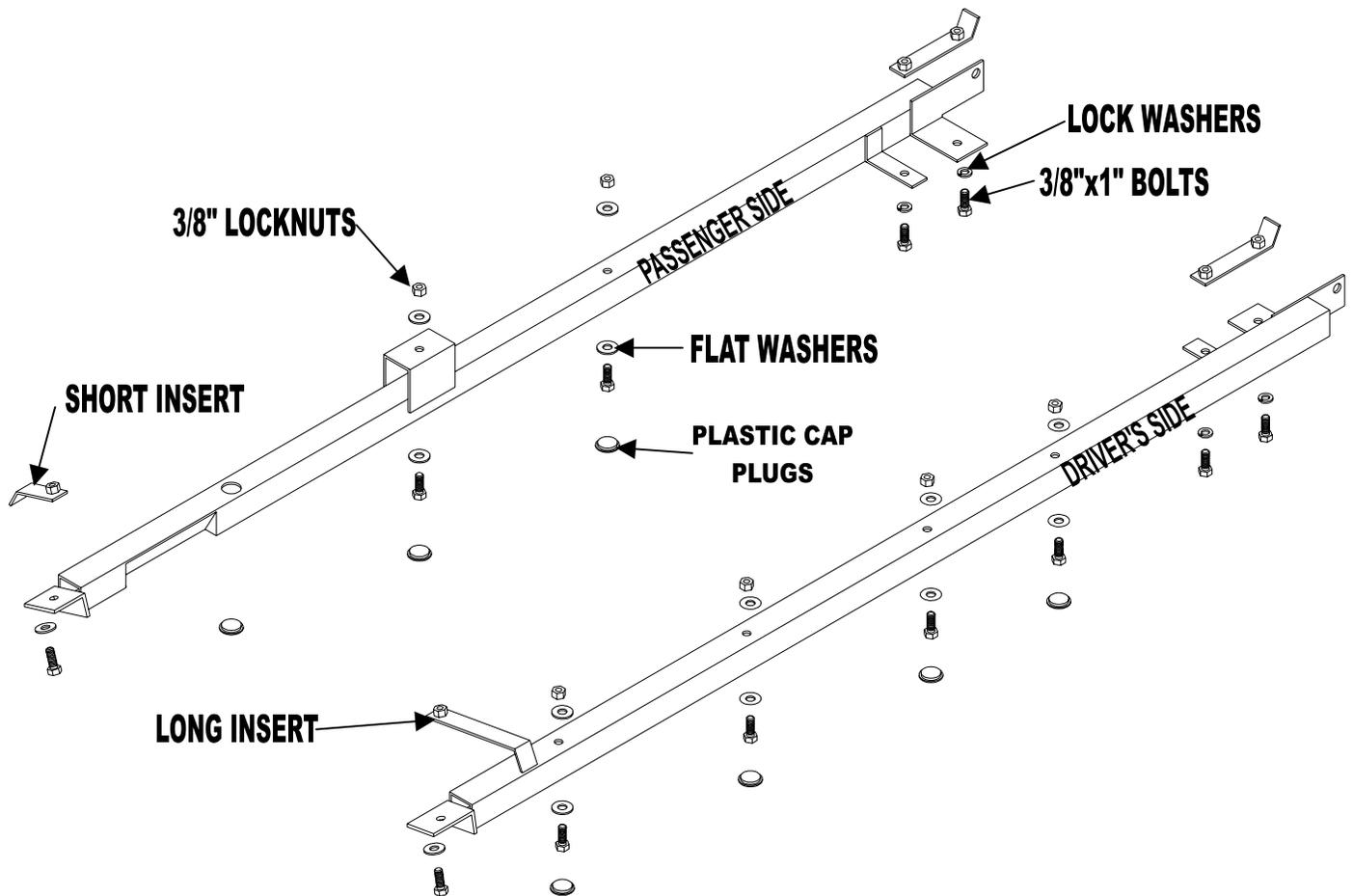
We recommend that you install the frame connectors one side at a time.

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 18mm bolt that retains the front of the trailing arm.
3. Place the rear U-bracket of the connector around the rear frame rail so that the hole in the bracket lines up with the bolthole for the trailing arm. Re-install the trailing arm bolt at this time but do not tighten.
4. Pivot the front of the connector upwards until the brackets contact the front subframe and the floor. Support in place using a block of wood.

NOTE: The exhaust system may have to be loosened at the manifold to allow the installation of the passenger side connector.

5. Remove the doorsill trim and the outer seat belt mounts from the floor. Move the carpet and wiring harnesses away from the doorsill area in preparation for drilling.
6. Using the mounting holes in the bar as a template, drill through the floor using a 13/32" drill bit.  
**Note: These Frame Connectors can be stitch welded to floor pan at points where the floor contacts the top of the frame connectors. This will increase rigidity.**
7. Install the supplied 3/8" x 1" bolts through the bar and fasten in place using the 3/8" flat washers and locknuts.
8. Drill out the holes in the front and rear connector mounting tabs using the 13/32" drill bit.
9. Pocket inserts are provided to be inserted into the frame pockets and through the front access holes in the front subframe. They install as follows:
  - The 6" long insert with one nut welded to it should be used in the driver's side front pocket. Fasten it in place with the supplied 3/8" x 1" bolt and lock washer.

- The 2-1/2" long insert with one nut welded to it should be used in the passenger's side front pocket. Fasten it in place with a 3/8" x 1" bolt and lock washer.
  - The two remaining inserts are for the rear frame pockets. These plates are not the same. The nuts on these plates are spaced apart differently to accommodate the difference in mounting tab spacing. Match up the correct insert to the correct side then fasten in place with the supplied 3/8" x 1" bolts and lock washers.
10. Re-tighten all bolts and make sure to re-tighten the exhaust pipes.
  11. Lower the vehicle and replace the seat belt mounts and interior trim. Snap the provided plastic plugs into the holes in the connector tube.
  12. Road test vehicle and check hardware for tightness.



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

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