

**READ ALL INSTRUCTIONS COMPLETELY AND THOROUGHLY UNDERSTAND THEM BEFORE DOING ANYTHING.
CALL CHASSISWORKS TECH SUPPORT (916) 388-0288 IF YOU NEED ASSISTANCE.**

INSTALLATION GUIDE



5916-F20-06

**Transmission Crossmember - GM 4L80-E and 4L85-E
1970-76 Camaro/Firebird (OEM), 1970-81 Camaro/Firebird (CAC)**



CHASSISWORKS FRAME CLIPS:

Bolts directly to Chassisworks Bolt-On Front Frame Clip for 1970-81 Camaro and 1970-81 Firebird (GM F-Body).

OEM FRAME CLIPS:

1970-76 Camaro and 1970-76 Firebird (GM F-Body) OEM front frame clip requires adapter kit (5916-F20-13).

FITMENT NOTE:

Fits GM 4L80-E and 4L85-E transmissions and others with crossmember mounting bolts 30.36" behind back of engine. Tailshaft mount pad is 3.61" below centerline.

WARRANTY NOTICE:

There are NO WARRANTIES, either expressed or implied. Neither the seller nor manufacturer will be liable for any loss, damage or injury, direct or indirect, arising from the use or inability to determine the appropriate use of any products. Before any attempt at installation, all drawings and/or instruction sheets should be completely reviewed to determine the suitability of the product for its intended use. In this connection, the user assumes all responsibility and risk. We reserve the right to change specification without notice. Further, Chris Alston's Chassisworks, Inc., makes **NO GUARANTEE** in reference to any specific class legality of any component. **ALL PRODUCTS ARE INTENDED FOR RACING AND OFF-ROAD USE AND MAY NOT BE LEGALLY USED ON THE HIGHWAY.** The products offered for sale are true race-car components and, in all cases, require some fabrication skill. **NO PRODUCT OR SERVICE IS DESIGNED OR INTENDED TO PREVENT INJURY OR DEATH.**

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PARTS LIST

5916-F20-06 - Transmission Crossmember, GM 4L80-E and 4L85-E

| Qty | Part Number | Description |
|-----|----------------|---|
| 1 | 7962-0141 | Transmission crossmember weldment, GM 4L80-E and 4L85-E |
| 4 | 3100-038C1.00Y | Bolt, 3/8-16 x 1", hex head cap screw, Grade 8 |
| 4 | 3108-038L-C | Lockwasher, 3/8" regular, clear zinc |
| 2 | 3108-M10R-C | Lockwasher, 10mm, clear zinc |
| 2 | 3139-10C-025-Y | Bolt, 10mm-1.50p x 25mm, yellow zinc |
| 4 | 3157-038S-C | Washer, 3/8" flat SAE, clear zinc |
| 2 | 3157-M10S-C | Washer, M10 flat SAE, clear zinc |

INSTRUCTIONS

1. Before installing the crossmember, use a 3/8"-16 NC tap to chase threads in the weld nuts on both ends of the crossmember.
2. Attach frame adapter blocks at this time if installing onto OEM subframe. Refer to adapter instructions.
3. Raise the crossmember into position. We have purposely designed the crossmember to be a snug fit for maximum exhaust clearance. It may be necessary to dimple the transmission tunnel and floor using a ball-peen hammer in the areas where contact is preventing the crossmember from being properly positioned.
4. Use the 3/8-16 x 1" hex bolts, lock washers, and flat washers (supplied with crossmember) to mount the crossmember to the subframe.
5. Once the new transmission crossmember is correctly bolted to subframe, use the 10mm hex bolts, lock washers, and flat washers to secure the transmission mount (sold separately).

ORIENTATION

