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Part#: 121002  
 Product: Crossmember Kit  
 Application: Chevrolet/GMC

**READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.**

**SAFETY WARNING** BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

**NOTE: A Torsion Bar unloading Tool is required for this installation.**

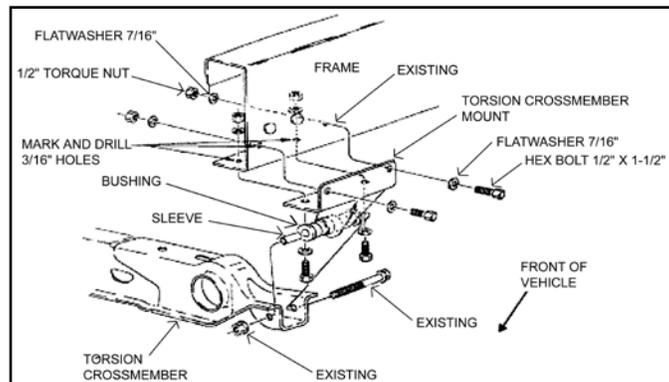
**WARNING: The torsion bar is under extreme pressure. Be extremely careful loading and unloading the torsion bars.**

**INSTALLATION INSTRUCTIONS**

- Put vehicle in neutral. Place floor jack under the lower control arms front crossmember and raise vehicle. Place jack stands under the frame rails behind the front wheels and lower vehicle on to the jack stands. Put the vehicle in gear, set the emergency brake and block the rear wheels.
- Remove the front wheels.
- Remove the torsion bar adjusting screw. Adjust the Puller and Load Adjust arm position until the Adjuster Nut can be removed from the crossmember. With the bar unloaded, slide the bar forward into the lower control arm. If the bar will not move, use a hammer and punch applied through the hole in the back of the crossmember. **Caution: When the bar slides forward, the adjuster arm will fall.**
- Remove the torsion bar crossmember by removing the nuts and bolts from the torsion bar support crossmember link assembly. Note: It may be necessary to raise the exhaust to allow clearance for the crossmember removal.
- Remove the torsion bars from the lower control arm. **Note: Mark the bars before removal. The bars must be installed on the same side from which they are removed.**
- Install the supplied crossmember drop brackets to the crossmember using the existing fasteners, sleeves and bushings provided. Do not attach the cross-member to the frame at this time. **Note: There is a left and right side bracket. Just hold the bracket up to the frame to see which one is correct.**

**PARTS LIST**

Qty	Description
1	Torsion Bar Drop Bracket (PS)
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8	1/2-13 x 1-1/2" Bolts
16	7/16" Flatwasher
8	1/2-13 Torque Nut
4	Bushing (Crossmember)
2	Sleeve 3/4 x 1.52"
2	Sway Bar Links
4	SB58 5/8" Hourglass Bushing
4	Sleeve 5/8 x 1.375"



7. Install torsion bars into the lower control arm pockets. Be sure to install them as you removed them. The end of the bar toward the rear of the vehicle should be hanging.

**The following require two people:**

8. Balance the crossmember assembly on a floor jack. Raise the jack to match the crossmember with the hanging torsion bars. Place the adjuster arms in the crossmember and slide the torsion bar into the assembly.
9. Load the torsion bars. Note: Be very careful, the torsion bars are under extreme load. Tighten until the arms are just clearing the nut blocks.
10. Locate torsion crossmember drop brackets on the truck frame using the existing rear hole. Use the bracket as a guide to drill 9/16" holes in the side and bottom of the frame. Attach brackets to the frame with the supplied fasteners. Torque to 90 ft-lbs.
11. Install sway bar links as shown below. Torque to 33 ft- lbs.
12. Check all fasteners for torque.
13. Check brake/steering systems to make sure all hoses are long enough.

