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**Installation Instructions**  
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## 82-02 GM F-Body Lower Control Arm Relocation Brackets Item # 2010 & 2011

**Warning:** UMI Performance Incorporated is not responsible for incorrect installation of this product. This installation is recommended to be performed by a trained automotive technician only. If you feel you are not capable of completing this installation please do not attempt. UMI Performance Incorporated is not responsible for any damage encountered from incorrect installation. FOLLOW INSTRUCTIONS CAREFULLY.

1. Block front wheels and jack car up to good working height. Position jack stands under vehicle frame to allow rear end to hang freely. Make sure car is stable.
2. **Only install one side at a time.** Begin with driver's side, remove the rear tire and unbolt the LCA (Lower Control Arm) from its rear mounting point and let the LCA swing down. The rear end may shift forward. Do not remove the LCA from its front mounting point.
3. Unbolt the brake line from the rear of the LCA mount and tie it off to the side. Brake line will also need to be shielded to protect them from welding sparks. This can be done using a damp cloth or tin foil.
4. Position the jack under the center of the rear end and put a slight amount of upward tension on the rear end. Using the jacks up and down motion you need to position the rear end to the original location as if the driver's side LCA was still in place.
5. You must position the rear end so you are able to swing the control arm back into its rear mounting point and be able to slide the bolt straight through the mounting holes and control arm. Jacking the rear into this position acts as if the suspension is loaded. If these steps are not followed you may be changing the control arm angle and off setting the rear end.
6. **93-97 Models Only-** The relocation brackets are notched as much as possible to clear the brake weight. However you may have to trim up to a 1/4" of each weight to allow bracket installation. This can be done using a hacksaw or grinder.
7. **98-02 Models- (See Image 1)** You will have to cut off the parking brake cable bracket, first remove the parking brake cable then cut the rear of the bracket in half to remove. This bracket then will be welded or bolted onto the relocation bracket after installation.
7. Slide the relocation bracket over the rear LCA mount until the top holes in the bracket are lined up with the original LCA mounting holes. Install the supplied 7/16" x 4" bolt through the top hole and place the supplied round spacer between the OEM bracket. Place the 7/16" bolt through the round spacer and secure it with the supplied 7/16" nut. The round spacer is designed to keep the OEM bracket from collapsing. **(Some light grinding on the back of the original OEM bracket may be necessary in order for UMI relocation bracket to slide over. This is normal)**
8. With the bracket installed and bolts loose, swing the control arm up and place it in the lowest holes in the brackets. Using a supplied 12mm x 4" bolt and nylon lock nut attach LCA in place. The jack should still be under the rear end and not have been moved.
9. Now tighten all bolts and nuts into position, if the position of the brackets looks correct you are now ready to weld.
10. Free all welding points from paint and rust. You may now weld the brackets into place. Weld across the top of the brackets and down both sides. Anywhere you can get weld onto the brackets, do so. You may also wish to wrap a damp cloth around the rear drum to prevent any weld splatter. (Use Image 2 for Example)
11. Now repeat steps 2-10 on the passenger side.
12. Once all welding is completed we recommend painting the brackets with rust preventing paint or under coating.
13. The relocation brackets have (2) settings, the lowest set of holes lowers the rear of the control arm 3" and the mid hole lowers it 2". Depending on vehicle ride height, spring or shock set up results from each setting may vary. We recommend trying each one and finding what setting best fits your application.

**Image 1-** Shows 98-02 Brake Bracket Cut



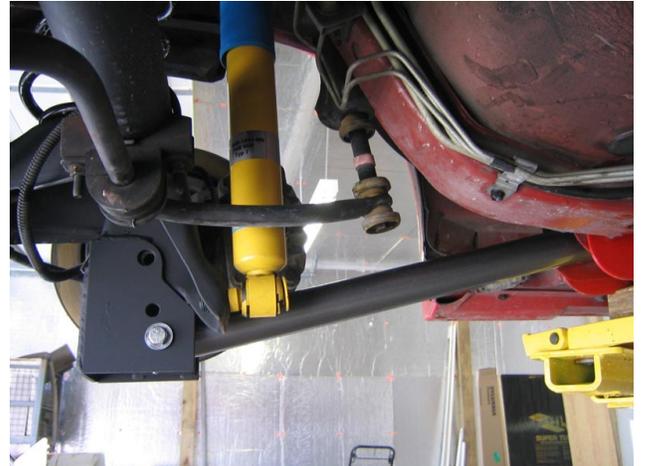
**Image 2-** Shows Weld Areas on Relocation Bracket



**Image 3-** Drivers Side Installation Completed



**Image 4-** Drivers Side Installation Completed (Side View)



Thank you for Putting Your Trust in A UMI Performance Product!  
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1982-2002 GM F-Body  
Control Arm Relocation Brackets

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