

# Part # 88169 Seat Bracket fits ALL "L" Series SATURNS

## Installation Instructions

**READ ALL INSTRUCTIONS BEFORE INSTALLATION AND THEN GIVE INSTALLATION INSTRUCTIONS TO CUSTOMER UPON COMPLETION.**

**TIP!** The Seat Adaptor is an ideal location to mount the Brass Air Fitting (included with BRAKEMASTER). If you do this, verify there is adequate clearance so that the fitting does not interfere with the movement of the seat. Holes are not pre-drilled in the Seat Adaptor for the air fitting. Failure to follow these instructions will result in damage to your seat and is not covered by warranty.

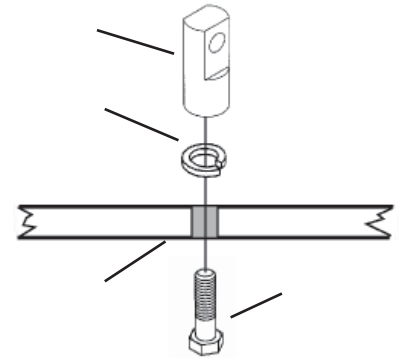
**CAUTION!** Make sure that the seat adaptor, or any other component installed for the Brakemaster, does **NOT** interfere with the full and complete movement of the seat. **Failure to do so will result in seat damage which will not be covered by warranty.**

**CAUTION!** There are various brake pedal locations due to a vehicle having a clutch or auto transmission. It may be necessary, to drill a 3/8" hole through the Seat Adaptor. The position of this hole must be such that the mounting post will allow the air cylinder to be directly in line with the brake, as it cannot be at an angle to the brake pedal.

Before installing the seat adaptor, the mounting post (included with your BRAKEMASTER) must be removed from the round plate.

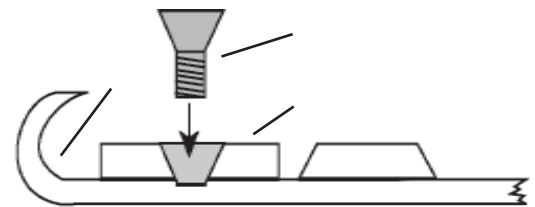
### To remove the mounting post from the round plate:

1. Secure the round plate in a vise. Use a wrench to loosen the mounting post while holding the bolt with an Allen wrench. Don't try to turn the Allen bolt with the Allen wrench as you might damage the wrench or bolt.
2. Now install the mounting post onto the seat adaptor as shown in Figure A. *Note:* the washer **must be between** the mounting post and seat adaptor.

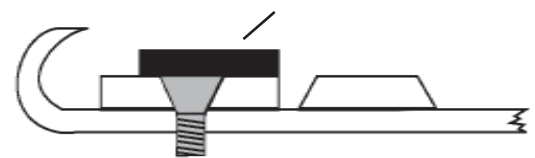


### To install the seat adaptor:

1. Move the seat forward and remove the 2 #40 TORX bolts that secure the rear of the seat rails.
2. Lift seat upward and rearward to access the front seat rails.
3. The seat adaptor will be installed near the front of the seat rails. Access this area by cutting the carpet (left to right) about 3" behind the front of the seat rail. The correct area to cut the carpet is just above the air duct between the seat rails.
4. After cutting the carpet, pull it forward to expose the seat rails.
5. Install seat adaptor as shown in Figure B. *Note:* The supplied bolts do not thread into the hole. When reinstalled, the seat will hold the bolts in place.
6. Use the rubber pad to cover the head of the bolt. Be sure to align the rubber pad with rear edge of the seat adaptor as shown in Figure C.
7. Trim foam under carpet to allow the carpet to lay flush. Using the mounting post as a guide, mark the carpet and cut a small hole in the carpet that the mounting post can protrude through.
8. Reinstall seat by reversing removal procedure.
9. Following the BRAKEMASTER Installation Instructions, use the adjustable arm on the air cylinder to get the correct length.



Side View of Front Seat



**FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY OR**

**READ ALL INSTRUCTIONS BEFORE INSTALLATION AND THEN  
GIVE INSTALLATION INSTRUCTIONS TO CUSTOMER UPON COMPLETION.**

**TIP!** The Seat Adaptor is an ideal location to mount the Brass Air Fitting (included with BRAKEMASTER). If you do this, verify there is adequate clearance so that the fitting does not interfere with the movement of the seat. Holes are not pre-drilled in the Seat Adaptor for the air fitting. Failure to follow these instructions will result in damage to your seat and is not covered by warranty.

**CAUTION!** Make sure that the seat adaptor, or any other component installed for the Brakemaster, does **NOT** interfere with the full and complete movement of the seat. **Failure to do so will result in seat damage which will not be covered by warranty.**

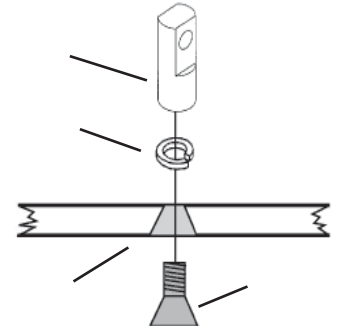
**CAUTION!** There are various brake pedal locations due to a vehicle having a clutch or auto transmission. It maybe necessary, to drill a 3/8" hole through the Seat Adaptor. The position of this hole must be such that the mounting post will allow the air cylinder to be directly in line with the brake, as it cannot be at an angle to the brake pedal.

## Universal Seat Adaptor Instructions

### To remove the mounting post from the round plate:

1. **Secure the round plate in a vise. Use a wrench** to loosen the mounting post while holding the bolt with an Allen wrench. Don't try to turn the Allen bolt with the Allen wrench, as you might damage the wrench or bolt.
2. Now, install the mounting post onto the seat adaptor as shown in Figure A. *Note: the washer **must be between** the mounting post and seat adaptor.*

The following instructions are generic and pertain to all ROADMASTER seat adaptor. Although the Seat adaptors come in many different shapes and sizes, they all install approximately in the same fashion. **EXCEPT Part # 88169, instructions are on back of this sheet. Part # 88150 instructions are below. Also, Part # 88184 includes two sets of bolts and washers to secure the seat adaptor. Simply use the size that fits your vehicle and discard the remaining bolts.**



### To install the Seat Bracket:

1. Move the seat to its rearmost position. Remove the two front seat bolts that secure the driver's seat to the floor. Note that you may have nuts instead of bolts; furthermore, you may have studs welded to the seat rail with nuts underneath the car. Regardless of the method used, you must remove the fasteners that secure the front seat rails to the car.
2. Install the seat adaptor between the seat and the floor. Depending on the application, you may be installing the seat adaptor between the rail and the floor or between the rail and the bolt head (or nut). In any case, it will only fit in one position.
3. Reinstall the two front seat bolts.
4. Following the BRAKEMASTER Installation Instructions, use the adjustable arm on the air cylinder to get the correct length. Make sure brake pedal is all the way up and is not being depressed by the air cylinder. Also, check brake lights are off on the towed ve-

## Seat Adaptor for '94 & newer Jeep Grand Cherokee Part # 88150

**TIP!** The Seat Adaptor is an ideal location to mount the Brass Air Fitting (included with BRAKEMASTER). If you do this, verify there is adequate clearance so that the fitting does not interfere with the movement of the seat. Holes are not pre-drilled in the Seat Adaptor for the air fitting. Failure to follow these instructions will result in damage to your seat and is not covered by warranty.

**CAUTION!** Make sure that the seat adaptor, or any other component installed for the Brakemaster, does **NOT** interfere with the full and complete movement of the seat. **Failure to do so will result in seat damage which will not be covered by warranty.**

**CAUTION!** There are various brake pedal locations due to a vehicle having a clutch or auto transmission. It maybe necessary, to drill a 3/8" hole through the Seat Adaptor. The position of this hole must be such that the mounting post will allow the air cylinder to be directly in line with the brake, as it cannot be at an angle to the brake pedal.

This kit is necessary to install the BRAKEMASTER system on '94 and newer Jeep Grand Cherokees. Due to obstructions on the floor, you cannot install the anchor plate that comes with the BRAKEMASTER assembly. This kit is designed to replace the anchor plate and provide a secure attachment point for the air cylinder.

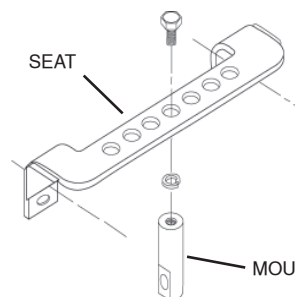
Step 1: Attach the mounting post that came with your BRAKEMASTER system to the adaptor. *Note: two different mounting posts may be used depending upon the model of your BRAKEMASTER- see Figure 1 & Figure 2. Make sure the mounting post is secured such that the hole is sideways as shown.*

Step 2: Remove the front two bolts that secure the driver's seat to the floor.

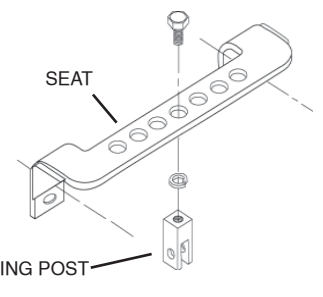
Step 3: Using the two bolts removed in Step 1, bolt the adaptor to the seat base. Make sure the mounting post is pointed down and centered.

**FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.**

**FIGURE 1**



**FIGURE 2**



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