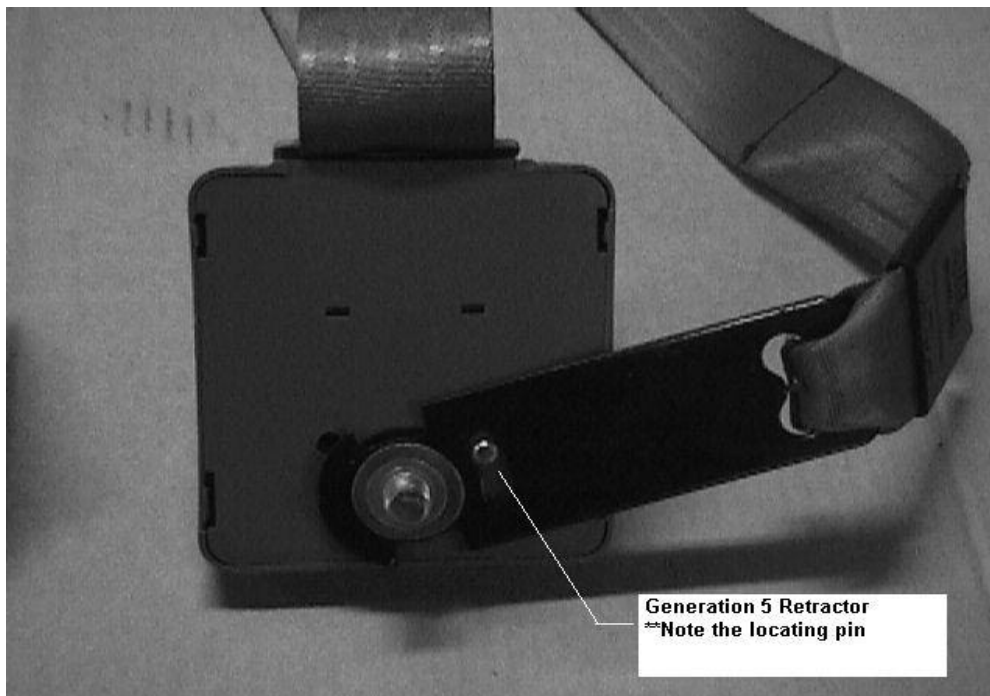


This is the back side of a generation 3, 4.0, or 4.1 retractor. Note the absence of the locating pin. Both mid-chair retractors mount with a 12mm x 25mm hex bolt, the sofa retractors mount with a 7/16"-20 hex bolt.



This is the back side of a generation 5 retractor, which is currently in use. This series of retractors are different in a couple of ways, one is that they now have a pin to locate the correct angle, and two, they have a 1/2"-13 stud in place for the sofa retractors (see above photo). The mid-chair retractors do not have a stud, but will install in the usual way.

## Visual Determination of Seat Belt Retractors



**Part numbers for the retractors, regardless of generation, are located on the back of the stitching cover near the webbing anchor.**

Part numbers for ALL retractors in the vehicle will be located on the black plastic stitching cover located near the webbing anchor.

There is no need to remove the retractor to find the part number, simply slide up the cover, and the part number will be located on the back of the cover.

Write down all numbers on the cover and note the color of the belt.

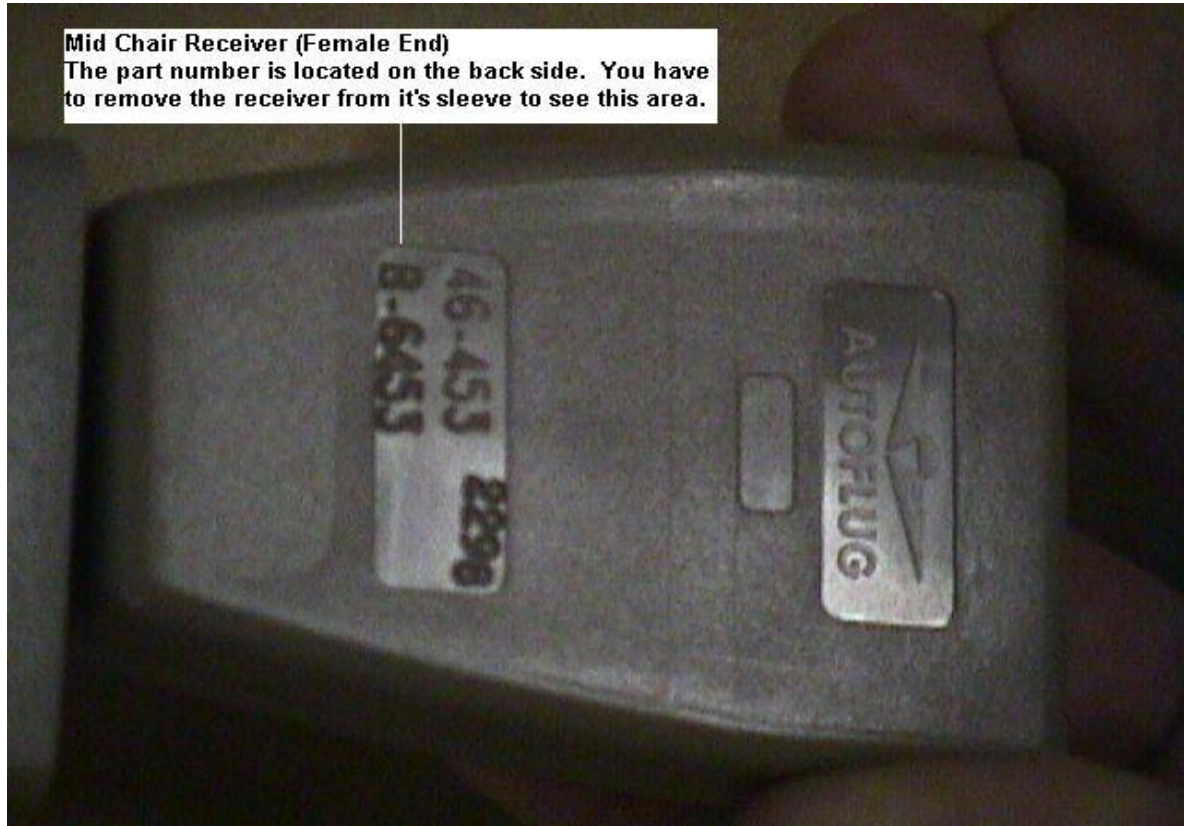
## Determining Generation of Upper D-Loop Assembly



The Slotted D-Loop (left) is the most widely used D-Loop, it was used for generations 3, 4.1, and is currently used in generation 5 belt packs.

The D-Loop on the right was only used in the generation 4.0 series and is only available on a limited basis, as the retractors for generation 4.0 will soon be out of stock, and we can not get replacements from the manufacturer. Therefore, in the instance of a defective 4.0 retractor, both the retractor and the D-Loop will have to be replaced, and in some cases all components will have to be replaced with generation 5 parts. This will all depend upon the availability of parts in stock.

## Mid Chair Receivers



Mid-chair receivers' part numbers are located on the back side of the receiver. For this part, you'll have to remove it from the seat pedestal/seat slide and pull it out of it's plastic sleeve to view the part number. Please write down all numbers on the part and note the color.



## Sofa Lap Belts



See the photo above for locating the part numbers on the sofa lap belts.  
Take the part numbers **ONLY** from the location noted for each belt.

April 19, 2001

Attention: **Compliance System Customers**

RE: **New Safety Restraints for  
Compliance Customers in 2001**

Over the past year and a half we have been working with our belt supplier to develop a new generation of safety restraints which will address past customer satisfaction issues as well as future enhancements based upon innovations in passenger cars. As a result we are introducing the Generation 5 System to you now in anticipation of its release in May of this year.

### **Features of the Generation 5 System**

#### **Automatic Locking Retractors**

As in the past Generation 5 belts are designed to be installed in the second and third row of full-size and Astro van conversions. Colors will remain the same as current Generation 4.1 belts. *Due to an excess inventory of Burgundy and Dark Blue belt sets from previous generations we will not be ordering any of these two colors in the Generation 5 style until that inventory has been reduced.*

One significant introduction will be the automatic locking retractor (ALR) feature in all four positions. This eliminates the need for a locking tongue to install a child safety seat. To activate the ALR simply pull all of the webbing out of the retractor. As you feed the webbing back into the retractor you will notice a ratcheting sound which indicates that the retractor wheel is continuously locking itself up. This allows for a fast and safe way of securing the child safety seat. There is a label located on the webbing near the anchorage point that alerts occupants that the retractor is equipped with this function.

The retractor has been assembled with a mounting bolt for added convenience during installation. Webbing lengths have been varied with the Gen. 5 to accommodate the differences between the wall heights of full-size and mini vans. *This means that the retractors for the Astro will no longer be interchangeable with those used in the full-size vans.*

Different webbing lengths will eliminate the occurrence of an unwanted activation of the ALR feature.

### **Fixed Orientation of retractors**

Generation 5 retractors will have a locating pin on the mounting side of the retractor. This is meant to avoid movement of the retractor should the attachment bolt loosen and force the retractor into a premature lock up. As a result retractors are specific to the seating position and cannot be inter-mixed. The locating pin should not be removed for any reason since it is critical to the operation of the retractor. The location of the L bracket is vital to the operation of the retractor and webbing alignment to the upper D-loop anchor so follow the installation instructions very closely. Both Atwood and Flexsteel pedestals will have the updated retractor brackets before shipment of Generation 5 begins. We all know that despite our best efforts balancing stock during a transitional period can be difficult. For those customers with older style pedestals when Generation 5 belts are received there is a drilling template available for the rework of retractor brackets so they can be used in conjunction with the new belt system. L brackets used to mount the rear retractors are being manufactured at this time with the necessary changes. *An important thing to remember is that the new retractor bracket, both pedestal and L bracket can be used with the older style belts.*

### **Wave washer for buckle attachment**

Included with each buckle will be a 12mm attachment bolt with a step bushing and a wave washer. These will be shipped loose so those customers using seat tracks requiring a different thread size can continue to use the same bolts as in the past without the added inconvenience of having to disassemble the bolt and bushing prior to attachment. The benefit of the wave washer and bushing is to allow the buckle to be properly mounted to the torque specification and still allow some movement of the buckle for better fit and comfort.

### **Slotted D Loop in all four positions**

Due to the difficulty that many customers had with the detachable D-loop introduced with the Generation 4 belt, we have decided to use the slotted D-loop design for the upper anchorage in all four positions of the Generation 5 system. The slotted D-loop design is the one in with a small webbing retainer tab located on the forward facing side of the D-loop. Removing the belt requires pushing the small tab up which exposes the slot in the D-loop by which the webbing can be removed.