

## Mavromont Ashtray Door Fix, 1987-93 Mustangs (ISB-0010)

\* Patented \*

Required tools: Drill w/ 7/64" and 5/64" drill bits,  
Flat and Philips head screw drivers,  
Socket set, pliers, utility knife and/or grinder

Parts list: 2 stainless steel support brackets (1 large and 1 small),  
2 #4 x 7/16 screws, 2 #4 loc-nuts, 1 #5 x 3/8 screw, 1 #5 nut,  
2 #4 SS washers,  
1 #2 x 1/2 screw (ISB-01A only), 1 #2 loc-nut (ISB-01A only), and  
1 #2 clear plastic washer (ISB-01A only).

Notes: Support brackets have been prepped with 80-grit aluminum oxide should you desire to paint them. **Use low- or variable-speed drill. Screws and nuts should be very snug, not over-tightened.**

The small center console section that holds the ashtray door and surrounds the parking brake must be removed to gain access to the areas needing modification.

### 1. Removal of the center armrest:

There are plastic oval caps at the rear of the console that conceal the bolts holding the armrest. Move the seats all the way forward to expose the caps. The oval caps are removed using a small screwdriver. Once the caps are removed, the bolts holding the armrest are accessible and can be removed. Note: If you do not have a center arm rest/cassette holder, there should be a cover that snaps out.

### 2. Removal of trim piece around shifter:

This trim piece is held in place by four clips and must be pried out. Use a small screwdriver at each of the ends to pry the piece up. (Note: Be careful not to scratch the plastic. It may be useful to place electrical tape or duct tape towards the end of the screwdriver to help prevent any possible scratches.)

### 3. Removal of console which holds ashtray:

Once the center armrest and trim piece around the shifter have been removed, the console holding the ashtray can be removed. The console is secured with four screws; there are two at either end of the console. The parking brake should be placed in the upright position, i.e. "on" position. Next, disconnect the cigarette lighter and remote mirror switch and remove the console.

### 4. Removal of the ashtray door:

Once the ashtray console is removed, place the ashtray door in the open position. Grab both mounting arms and rotate the door closed about 15-degrees. **Maintain a firm grip on the arms** and free them from the console. Free one arm first and then the other. Once the arms are free, release the door and then remove the spring.

### 5. Installation of the brace:

**Note: If the large spring mounting tab towards the front of the center console is broken, skip step 5 and proceed to step 5B.**

Place the large ISB support brace over the large spring tab on the center console. The ISB brace is placed on the opposite side of the ashtray door opening with the milled step facing the plastic spring tab of the center console. See Figure 1A. Line up the edges of the ISB brace with those of the tab and hold it in place firmly with one hand. Using the other hand, drill out the upper hole. Install the pan-head screw. (This screw is placed temporarily to hold the brace.) Next, after drilling out the second hole, remove the screw from the first hole. While holding the large ISB brace in place, install the smaller ISB brace on the opposite side of the tab.

The 74-degree cut should be facing away from the rectangular ashtray opening. See Figure 1B. Secure the two pieces with the #4 pan-head screws and loc-nuts. Proceed to step 6.

**5B.** IF the large plastic spring tab of the center console is broken, refer to Figures 2 for the proper location and orientation of the large ISB brace. Place the ISB brace with the **milled step against** the original position of the spring tab and use a sharp object to scribe the outline of the spring tab (lower half of dotted lines in Figure 2B). Place the ISB brace in a rotated position against the console with the **milled step facing out**. The lower left corner of the ISB brace should meet the lower right corner of the previously made tab scribe markings on the center console. Drill the corresponding holes on the console and secure with screws and loc-nuts. The small ISB brace is not needed; instead use flat washers at the screw heads.

**6.** Installation of center console peg:  
**NOTE: This step is only necessary if the stud/peg next to the cigarette lighter is broken.** Refer to Figure 3 for peg location.

Locate where the mounting peg was attached to the underside of the center console, near the cigarette lighter. (It is suggested to place the door in its closed position and mark the location of the peg with the drill bit.) Using a hand held drill, make a 7/64" hole. The hole will most probably be at a slight angle; using the drill bit and pliers only, bore out the hole to straighten and enlarge it slightly. Lightly coat the #5 screw threads with Loc-Tite and secure the screw to the console with the #5 REGULAR nut. Next, one mounting arm of the door must be modified. If you have a metal door, refer to the top picture of Figure 5 for proper modification of the arm. If you have a plastic door, refer to the bottom picture of Figure 5. The modifications can be done using a small hand-held grinder or even a utility knife in the case of the plastic door only.

**7.** Modification of plastic mounting arm stud:  
**NOTE: If you have a metal door, proceed to step #8.**

For this section, refer to Figure 6. The stud on the door-mounting arm must be cut so that it is approximately 1/8" long. A 5/64" drill bit is used to make a hole in the center of the mounting arm stud of the ashtray door. Be careful to properly align the drill so that the hole will be centered along the stud. Insert the #2 x 1/2" long screw into the mounting stud from the inside face of the mounting arm. This will allow the door to over rotate slightly without becoming dislodged from the mounting stud socket on the center console. The metal plate can be discarded since it is no longer needed. Do not install the washer or loc-nut yet.

**8.** Modification of spring: (Ford OEM Spring only.)  
**NOTE: If you have purchased a MMI spring, proceed to step #9.**  
There is a small bend in the spring that should be straightened. Please refer to Figure 4 for proper modification.

**9.** Installation of the door:  
The installation of the door is the reverse of removal. Install the 90-degree bend of the spring into the door. Insert the other end of the spring with the 45-degree bend into the newly reinforced spring tab. Hold the door by the mounting arms at a 15-degree angle. Place the door into the opening of the console and install the door arms onto the console. **Note: If you DID NOT skip step 7,** install the #2 plastic washer and #2 loc-nut onto the door mounting arm stud as shown in Figure 6. If you over-tighten the loc-nut, the door may not open or close freely.

Install the console, boot, and arm rest. Now, You're done!

Thank you for purchasing a Mavromont Industries product. For additional information, you can visit our website at <http://www.mavromont.com> or call 407-888-2669 for technical support.

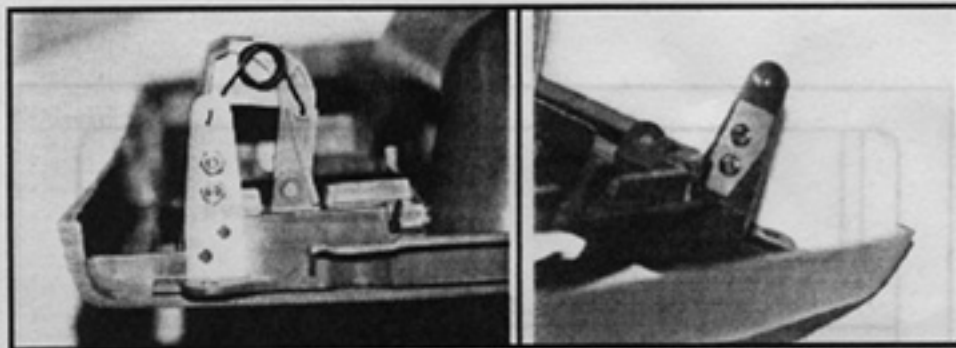


Figure 1A,B  
Positions of MMI support braces for spring tab.

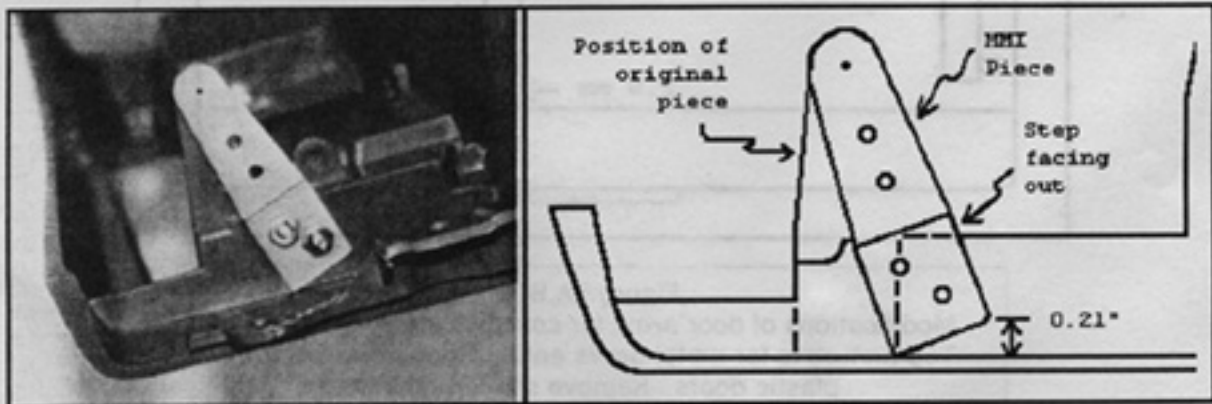


Figure 2A,B.  
Position of large MMI brace for broken spring tabs ONLY!  
DO NOT use small brace, use washers. Refer to step 5B.



Figure 3.  
Position of rear door arm peg. Refer to step 6. **NOTE: THE REGULAR NUT IS POSITIONED BETWEEN THE CONSOLE AND DOOR ARM.**

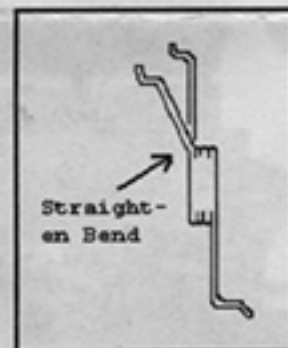


Figure 4.  
Spring modification.  
OEM Spring Only.

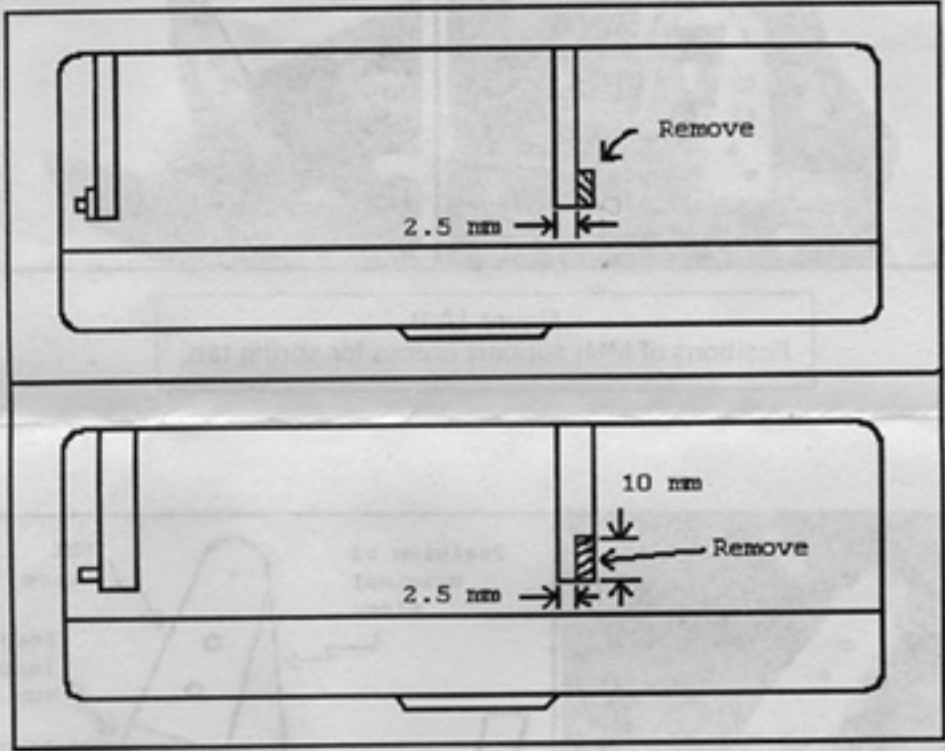


Figure 5A,B.  
 Modifications of door arms for consoles needing step 6.  
 Top picture is for metal doors and bottom picture is for plastic doors. Remove shaded areas.

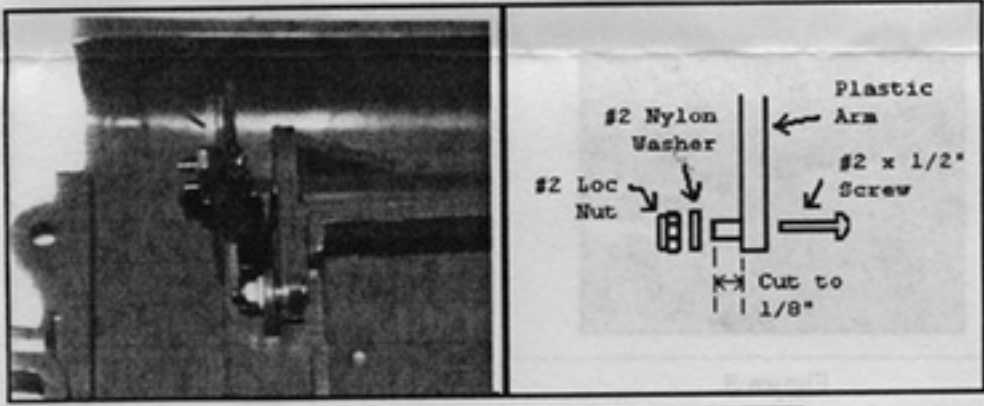


Figure 6.  
**PLASTIC DOORS ONLY!** Refer to step 7.