

Miata Style Bar Type II

Part No. 57222, 57223

Installation Instructions

Read these instructions thoroughly before starting the installation procedure.

1. Lower the soft top or remove the hard top.
2. Remove the plastic covers on top of the shoulder harness upper pivot as follows: 1990-97 Miatas - pulling rearward and lifting at the back edge of the cover; or, 1999+ Miatas - gently prying the front edge of the cover upwards.
3. Remove the upper shoulder harness pivot attachment bolts and factory mid-chassis brace (if installed). If installing this bar on a 1999+ Miata equipped with the factory windblocker, loosen the securing bolts and remove the blocker from the car. Follow the instructions on the supplied drilling template to relocate the mounting holes on the windblocker endplates.
4. Remove the plastic panels that enclose the front and inboard side of the upper shoulder harness mount area. After removing all the attaching hardware, the panel must be pried inward before it can be slipped forward. The carpet need not be removed - just pulled away. On the 1999+ Miata, remove the outer plastic panel after loosening the small clip that secures the electrical connector.

Note: To remove the seat belt strap from the plastic panel, slip out the small plastic clip and slide the strap through the opening (See Figure 1).

5. Remove the bolts that retain the seatbelt inertia reels from their recesses (See Figure 2). Remove the reels from the car.

6. Look closely at the upper edge of the "box" shape where the upper shoulder harness pivot was attached (See Figure 3). The outboard, rear and inboard walls of the "box" consists of multiple thicknesses of sheet metal. Since the Style Bar base plates will sit on these edges (but not on the forward edge) it is desirable that they be even or very nearly so. If an edge sticks up, you must trim it down to make a near-flat pad for the bar to sit on. Do this with sheet metal shears, files or grinders as you prefer.

7. Place one (1) thick steel spacer into each of the sheet metal "boxes" on which the Style Bar will be mounted. Due to manufacturing differences in the Miata chassis, there is a chance of vibration noises occurring between the spacer and the chassis. You may want to place a small amount of silicone sealant under the spacers to firmly secure and isolate the spacers from vibrating (See Figure 4). Tip: It is easier to undertake this preventative measure at this point than to experience the noise occurring after the bar has been bolted in place!

8. Lower the Style Bar into position (To prevent the bar from "binding", it may be easier to have an assistant help lower the bar into place). Next, reach up into the seatbelt recess and install a flat washer, lock washer and coarse nut onto the stud (or the stud and bolt) extending down from the Style Bar. Do not tighten at this time. Repeat this step on the other end of the bar.

9. Reach up into the seatbelt reel recess and insert a bolt (with a flat washer under the head) through the steel flange extending down from the rear of the Style Bar. Secure this bolt with a flat washer, lock washer and a nut from the outer/rearward side. Do not tighten at this time. Repeat this step on the other end of the bar.

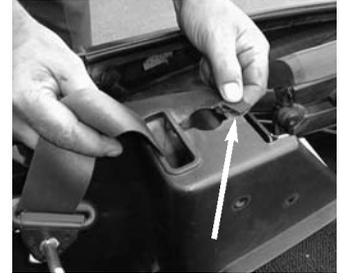


Figure 1



Figure 2

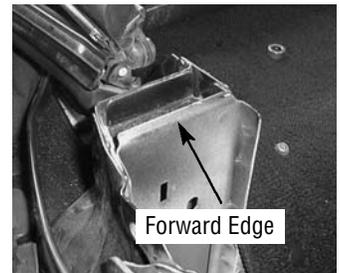


Figure 3



Figure 4

10. **1993 and earlier:** Remove the two original short spacers from each of the upper shoulder harness pivot attachment bolts, then thread those bolts through the Style Bar into their original positions and snug them down very lightly. Discard the tubular spacers provided in this kit (See Figure 5).

1994-99+: Remove the odd-shaped spacers and the tubular spacers from each of the upper shoulder harness pivot attachment bolts. Install the shorter tubular spacers provided along with the original flat washer, then thread those bolts into their original positions and tighten loosely.

11. Torque the two (2) bolts that pass through the rear flange to 28 ft-lbs. Torque the nuts on the studs to 50 ft-lbs. Torque the upper shoulder harness pivot attach bolts to 50 ft-lbs. It is very important that these bolts be tightened to these specifications to ensure that the spacer block is firmly seated against the mounting flange.

12. Re-install the seatbelt inertia reels. Torque the large attachment bolts to 28 ft-lbs.

13. Slowly raise the soft top by grasping the handle in the center of the top "bow". It is important to always lift the soft top by grasping the hand hold in the center of the front bow and lifting the soft top straight up (not pulling to either side) so that the mechanism will clear the Style Bar. If the soft top mechanism strikes the style bar tube while raising or lowering the top, please complete the following steps. If not, proceed to Step 14.

A. Locate the (3) bolts on each side of the car that attach the soft top pivot hinge to the chassis (See Figure.6). Loosen each bolt about (2) turns. Notice that if you lift the front bow of the soft top approximately 12" from its recess, the pivot hinge mechanism you just loosened "rocks" toward the rear of the car, limited only by the loosened bolts moving inside the oversized holes. While lifting the top, and the pivot hinge in its furthest rearward position, tighten the (3) bolts on that side of the car (See Figure 7). Repeat with the other side.

14. Carefully modify the top of each plastic side panel as illustrated in the supplied Cutting Diagram(s). **It is recommended to undersize the cut and file or grind the panel to size.** After modifying the inner (and outer, if required) panels, re-install them in the car.

1999+ Miata - After making the modifications to the side panels, place the panels on the car and check the hole alignment for the Windblocker unit. If required, modify the panels to allow the panel holes to align with the mounting holes on the flange. Once the holes align, re-install the factory Windblocker using the "new" mounting hole positions in the endplates.

15. Replace the plastic cover on top of each shoulder harness upper pivot. You may find it necessary to trim a portion of the plastic cover (the portion closest to the Style Bar), to allow for additional movement of the seatbelt harness.

16. Install a warning label about 2" up from the base of each leg of the Style Bar, orienting it so that it can be easily read by a person entering the vehicle. Install the third warning label on the instrument panel in clear view of both the driver and passenger.



Figure 5 - 1990-93

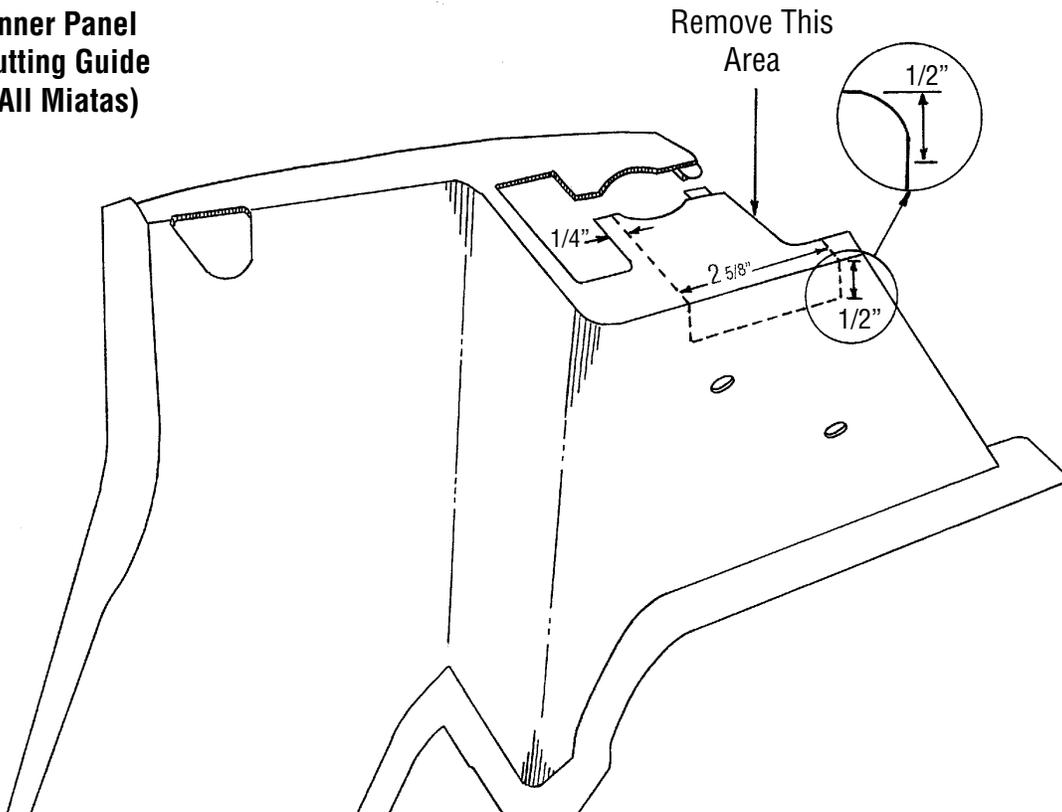


Figure 6 - Loosen (3) pivot hinge bolts



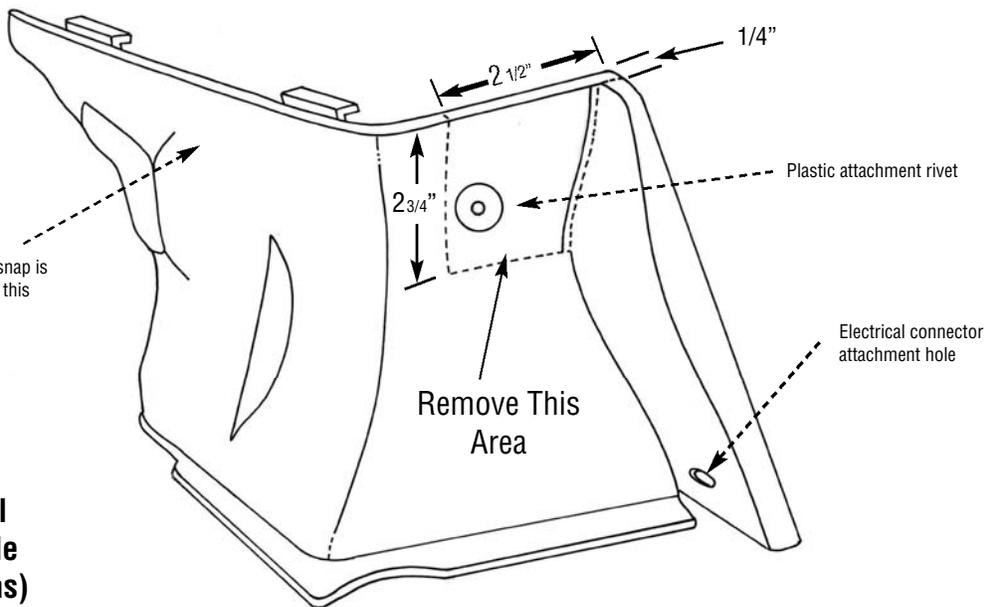
Figure 7 - Raise top slightly, tighten bolts

**Inner Panel
Cutting Guide
(All Miatas)**



Note: A hidden attachment snap is located on the inner side of this panel.

**Outer Panel
Cutting Guide
(1999+ Miatas)**

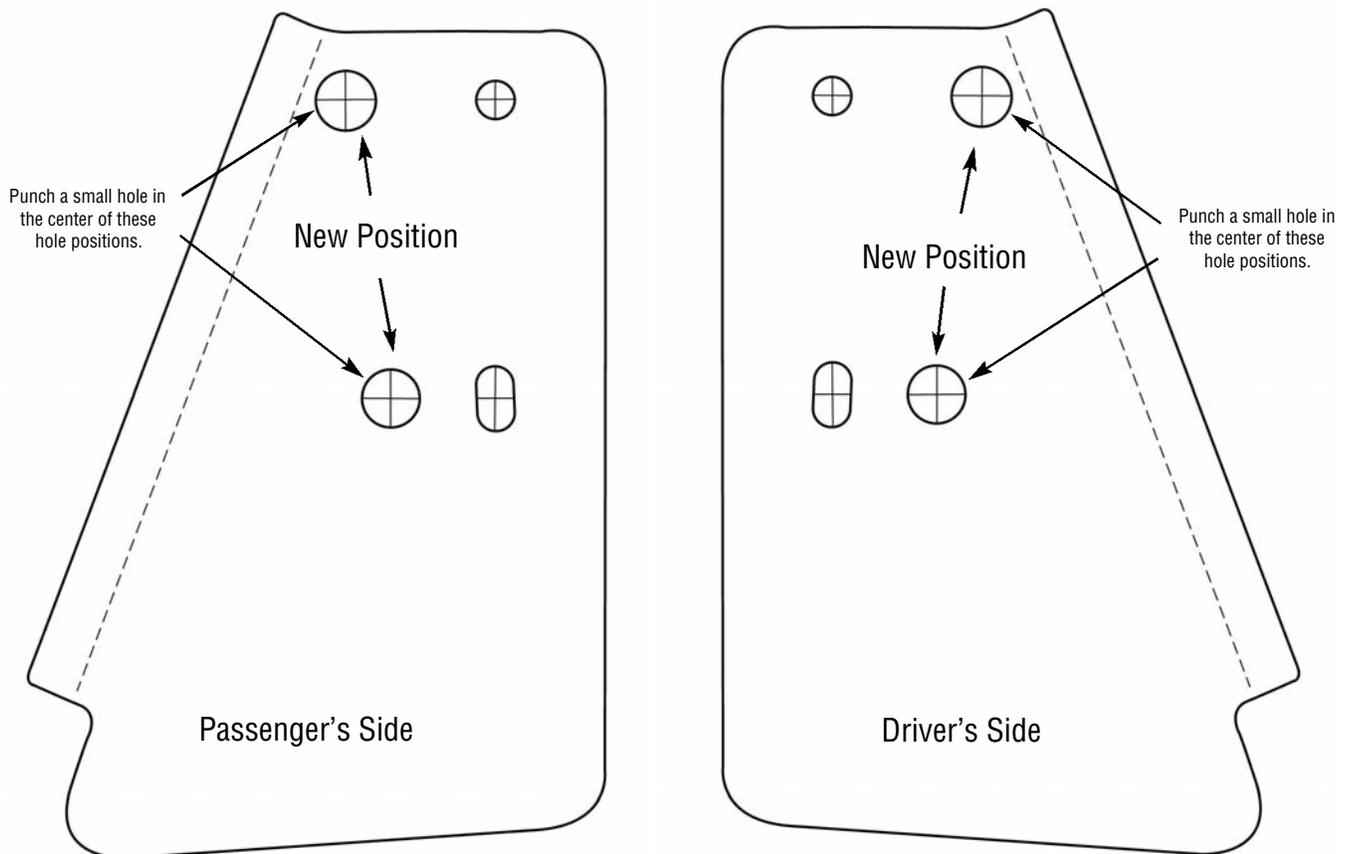


Cutting Diagram - Remove panel area as shown

MAZDA Windblocker Relocation Template

To provide clearance between the factory windblocker and the Racing Beat Style Bar, complete the following procedure:

1. To remove the factory windblocker from the vehicle, gently pry the cargo net end caps off of the windblocker to access the endplate retaining bolts.
2. Remove the retaining nuts and pull the end plates away from the windblocker.
3. Using a straight pin, punch a small hole in the center of the "new position" hole on the template.
4. Place an endplate on the template and secure using tape. Turn the endplate/template over and punch a drilling mark in the center of the new hole position (the small hole that was punched in the template will help to identify the correct position). Repeat this procedure for the other endplate.
5. Drill a 1/8" starter hole at the scribed position. Then, enlarge the hole with a 5/16" bit. This new hole is slightly oversized to allow for final adjustment of the windblocker.
6. Reassemble the Windblocker in the vehicle using the new mounting hole positions.



© Copyright 2004