

## MX-5 FRONT SWAY BAR

Part No. 54108

### Tools Required:

- Torque wrench
- 3/8 ratchet
- 14mm socket deep 6 point
- Phillips head screwdriver
- 10mm socket
- 14mm open end box wrench (may be necessary)
- 5mm Allen wrench (may be necessary)

**Estimated time for completion:** .75 hrs      **People required:** 2

### Installation Instructions

1. Raise front of the car and place on safety stands. Set the ignition to the "accessory" position. (This will allow the hub assemblies to be turned during the installation.)
2. Remove the front wheels.
3. Remove the left and right plastic panels at the lower front of each front fender well. Remove the (4) 10mm head bolts (2 per side) that attach the center plastic under tray up to the chassis rails. See Step 3 photo.
4. Remove the 14mm head nuts that connect the sway bar ends to the sway bar links (left and right). Note: Sometimes the nuts on the end link studs are extremely tight and/or have thread lock material applied. We suggest the use of a 6 point socket or wrench. If the end link stud rotates while tightening or loosening the nut, a 5mm Allen wrench inserted into the end of the link stud and a 14mm open or box wrench may be necessary to loosen/tighten the nut.
5. Remove the sway bar clamps (14mm head nuts) from both sides. Remove the (2) 12mm head bolts (1 left & 1 right) that attach the ABS wiring brackets just above the sway bar clamps.
6. Turn the steering wheel all the way to the "left".
7. While having a person on each side, slide the sway bar to the left as far as possible. (Refer to the position of the bar in pictures in Step 7.)
8. Maneuver the left bar end over the steering tie rod. It will be necessary to push the bar forward into the plastic under tray area referenced in Step 3.
9. Repeat steps 6-8 for the right side. Turn the steering wheel all the way to the right and slide the sway bar to the right. Maneuver the right bar end over the steering tie rod. (Refer to the position of the bar in pictures in Step 9.)

#### Step 3



Remove the plastic under tray retaining bolts.

#### Step 7



Left



Right

Pull bar as far outward as possible.

Push bar as far inward as possible.

#### Step 9



Left



Right

Push bar as far inward as possible.

Pull bar as far outward as possible.

10. Once the bar ends have been maneuvered over the tie rod ends, remove the bar from the left (driver's side) as shown in Step 10 photo.

### Installation

11. Lubricate the urethane bushings with all of the supplied grease. Install the sway bar in reverse order and then place the bushings on the bar. During the installation of the sway bar, try to minimize damage to the powder-coat paint surface. You can protect the bar ends by using tape, plastic wrap, paper, etc..

12. Once the bar is attached to the chassis, attach the end links as oriented as shown in Step 11. We recommend that you initially use the CENTER hole of the (3) provided. After gaining experience with the changed handling of the car, you can utilize the hole position nearest the end of the sway bar arm to decrease understeer / increase oversteer. Use the hole toward the front of the car to increase understeer / decrease oversteer.

Torque to the following specs:

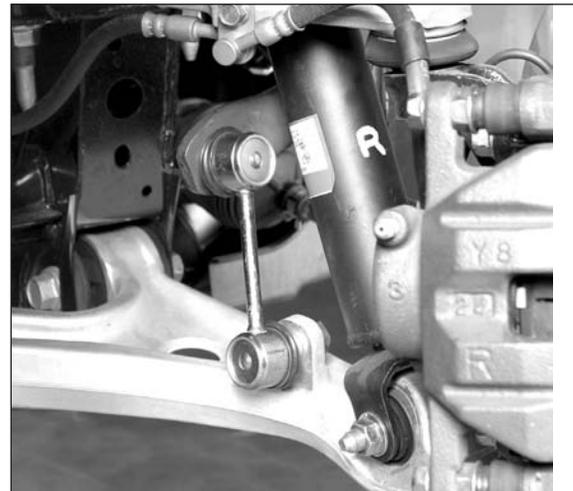
- Sway bar ends to links - (See Photo 11 for correct orientation) 14mm head nuts (42-44 ft lbs) **Important!**
- Sway bar clamps - 14mm head nuts (30-36 ft lbs)

### Step 10



Remove and install bar through the left side of the vehicle.

### Step 11



End link orientation.