

Anti-Sway Bars Installation Instructions

For 2006-15 Miata

PART # 920-330

Tools required: A jack and jack stands, 5mm Allen wrench, ratchet, 10mm, 12mm and 14mm, combination wrenches and sockets, 21mm socket, 80 ft lb. torque wrench

1. Use a jack to lift the rear wheels off of the ground. Support the vehicle with jack stands. Never work on or under a vehicle supported only by a jack, always use jack stands.

2. Using a 5mm Allen wrench and a 14mm combination wrench, remove the nuts attaching the top of the anti-sway bar end links to the anti-sway bar. Remove the end links from the anti-sway bars. Using a 12mm combination wrench, remove the nuts that secure the anti-sway bar brackets to the vehicle. Remove the anti-sway bar. Illustration 2.



Illustration 2 cont.

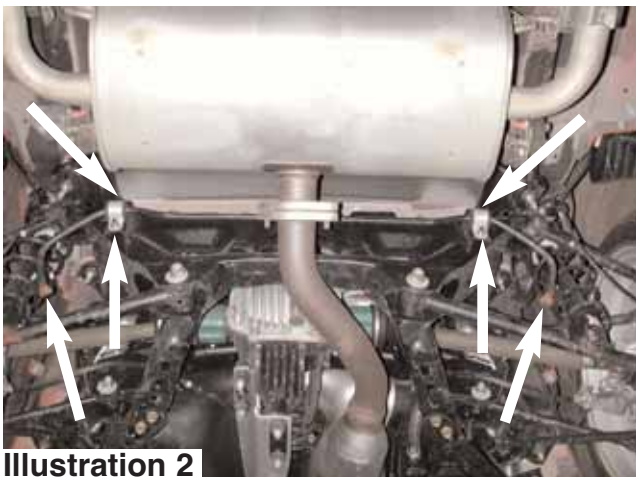


Illustration 2



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3. Gather the smaller anti-sway bar and bushings from the kit. Apply grease from one of the supplied grease packets to the inside of the bushings. Next, lay the new bar next to the factory bar and position the new bushings in the same area as the bushings on the factory bar. Transfer the factory brackets over to the new bar. Illustration 3.



Illustration 3



4. Install the new bar in the vehicle as the factory bar was. Reattach the end links to the bar before tightening the bracket nuts. You may want to start by installing the end links through the forward most holes in the bar as this is the softer setting. Torque the four nuts attaching the brackets to the vehicle to 15 ft lbs. and then the end link nuts to 32 ft lbs. Illustration 4.



Illustration 4



5. Remove the jack stands and the jack from the rear of the vehicle. Loosen the front wheels lug nuts using a 21mm socket. Use the jack and jack stands to lift and support the front of the vehicle. Remove the front wheels.

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6. On each side of the vehicle, remove the ABS wheel speed sensor wire bracket and the splash shield bolt next to it using 12mm and 10mm sockets. Be careful working around the wheel speed sensor and wire because they damage easily and it may not be visible. Do not pull on the ABS sensor wire. Illustration 6.



Illustration 6



Illustration 7



7. Using a 5mm Allen wrench and a 14mm combination wrench, remove the nuts attaching the top of the anti-sway bar end links to the anti-sway bar. Remove the end links from the anti-sway bar. Using a 14mm combination wrench, remove the nuts that secure the anti-sway bar brackets to the vehicle. Remove the brackets and the bushings from the bar. Illustration 7.

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8. Turn the steering wheel all the way to the left. From the left (driver's) side of the car, carefully pull the anti-sway bar out toward the brake rotor. Lift the end of the bar up over the outer tie rod so that the bar is in front of it. You may need a friend on the right (passenger's) side to help you guide the bar out through the driver's side. Lift up on the passenger side of the bar while you pull it out through the driver's side. Use caution not to damage the radiator or anything else while removing the bar. Illustration 8.



Illustration 8



9. Install the new bar the same way you removed the factory bar. Make sure the passenger's side of the bar falls behind the tie rod. The new bar is a little larger than the factory bar so it will be a little more difficult to install. Lift the driver's side of the bar up onto the tie rod end. Push the bar to the rear side of the tie rod with your left hand as you pull on the brake caliper with your right hand, turning the steering to the straight ahead position. Note the key must be in the accessory position to allow the steering to turn. Illustration 9.



Illustration 9



10. Apply grease from the supplied grease packet to the inside of the new anti-sway bar bushings. Install the bushings on the new bar to the outside of the collars on the bar. Install the factory brackets on the new bushings. Raise the bar into place and start the nuts that hold the brackets to the vehicle. Attach the end links to the bar. Now tighten the bracket nuts to 30 ft lbs. and the end link nuts to 37 ft lbs. Illustration 10.



Illustration 10



11. Reinstall the ABS wheel speed sensor wire brackets and the splash shield bolts to the vehicle. Reinstall the wheels and snug the lug nuts. Remove the jack and jack stands. Torque the lug nuts to 80 ft lbs. Enjoy your new Anti-sway bars!