



**INSTALLATION
INSTRUCTIONS**



Part # 15139121



Front Sway Bar

2006-2015 Mazda Miata

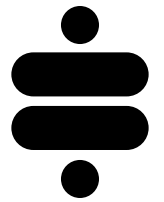


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**Please Read And Understand All Instructions
And Warnings Prior To The Installation Of
This Product.**



THANK YOU

Congratulations on your new Ridetech product! It's an honor that you've selected the Ridetech brand to upgrade your ride. Our products are developed around quality and performance without compromise. We're confident you'll have many years (and miles) of pure driving enjoyment.
Thank you for choosing Ridetech!

Road Map

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COMPONENTS		
Part #	Description	Qty
15139120	Front Sway Bar	1
90003936	End Links (Pair)	1
90003935	Front Sway Bar Bushing Kit	1

This sway bar features 2 tuning positions to help optimize your car's handling. See the chart and illustration below for hole locations and their associated stiffness rating. We encourage you to drive the car at each position to experience the change in handling characteristics and dial in your preferred setting.

Sway Bar Rates	
Position	Rate (lb/in)
1	370
2	325



**NOTE: The bushings in this kit contain an anti-friction lining.
No lubrication is required.**

Sway Bar Removal

1. Raise the vehicle to a safe and comfortable working height.

2. Remove the splash shield under the front of the car (Figure 1).

3. Disconnect the sway bar end link from the lower control arm (Figure 2).

4. Remove the 2 nuts securing the sway bar strap/bushing on each side (Figure 3).

DO NOT discard the OE mounting nuts or bushing straps. They will be reused with the new sway bar.

5. Remove the existing bar from the vehicle.



Figure 1

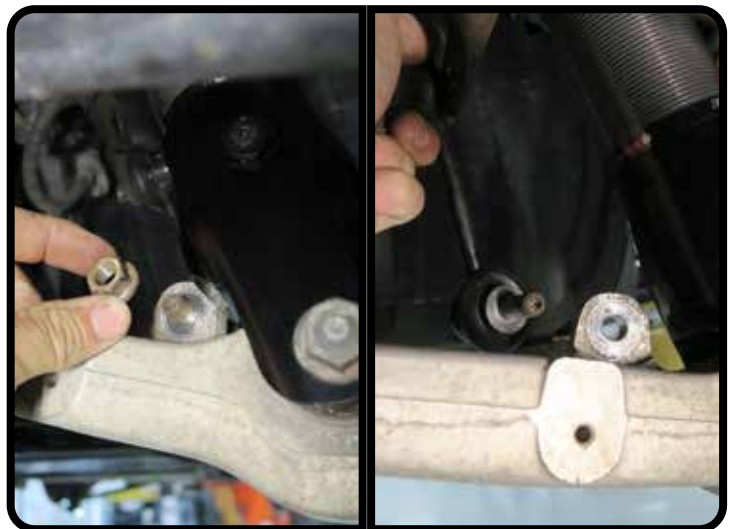


Figure 2



Figure 4



Figure 3

Sway Bar Installation

6. Spread open each new bushing and install onto the new sway bar (Figure 5).

Position each bushing outboard of and against the stop ring on each side (Figure 5).

7. Position the bar in the car at the original mounting location. The "arms" of the bar should be to the rear (Figure 6).

8. Slide an OE strap over each new bushing as shown, aligning the bushing straps with the mounting studs (Figure 7).

9. Secure using the original nuts and torque to **13-20 ft-lbs.**



Figure 5

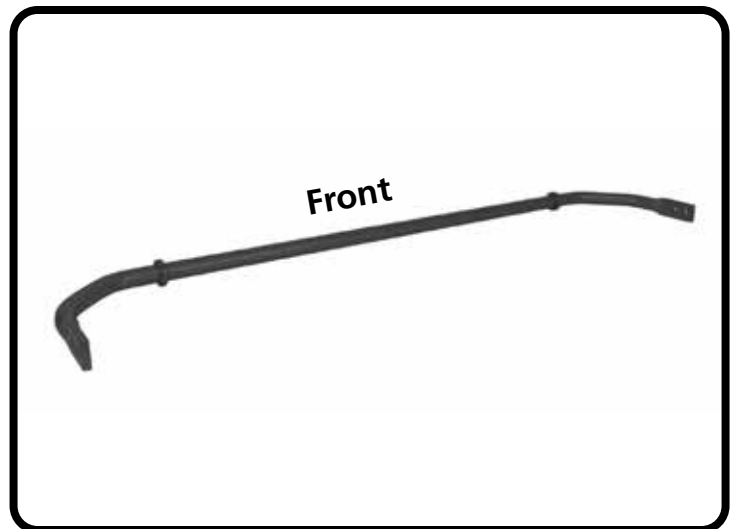


Figure 6



Figure 8



Figure 7

Sway Bar Installation

10. Install a flat washer on each of the end link studs (Figure 9).

11. Install the upper stud of the end link into the hole on the sway bar arm and secure with the supplied nut (Figure 10). See the chart on page 2 for each hole's stiffness rating. We recommend starting at hole #2 and tuning from there.

12. Install the lower stud of the end link into the tab on the lower control arm and secure with the supplied nut (Figure 11).

13. Torque the upper and lower end link nuts to **37 ft-lbs**.

NOTE: When tightening the end link nuts, you will need to use an Allen wrench to keep the stud from turning (Figure 12).

Repeat steps 10-13 on the opposite side.



Figure 9



Figure 10



Figure 12



Figure 11