

# Installation Instructions

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## Anti-Roll-Kit # 5557.310

2014+ Mazda 3, BM, 2.5L 4-Cyl, Including 5-door

Kit Contents	Description	Part Number	Qty
	Front Bar	5557.320F	1
	Anti-Roll Hardware Kit	5557.310HK	1
	Bushing/Bracket Kit	ES9.5161.01	1
	Information Kit	EPAK	1
	Instructions	5557.310INST	1

### NOTES: Read All Instructions Before Beginning Installation

- Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
- Use of a hoist and screw jack is highly recommended and will substantially reduce installation time.
- Never work on or under a vehicle unless it is properly supported.
- **Tire Rotation:** In order to increase the life of your tires, it is recommended to rotate your tires every 3,000 miles.

### FACTORY FRONT BAR REMOVAL

1. Begin by raising the vehicle and supporting it with the proper safety equipment, then, remove the front wheels.  
**Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**



Photo 1



Photo 2

2. Remove the splash shields. (See Photos 1 & 2)



Photo 3

3. Remove the two plastic rivets from the driver and passenger side inner fender valance. (See Photo 3)



**Photo 4**

4. Disconnect the exhaust hanger grommet from the subframe. (See Photo 4)



**Photo 5**

5. Disconnect the end links from both ends of the factory anti roll bar. (See Photo 5)



**Photo 6**



**Photo 7**



**Photo 8**

6. Loosen and remove the three bolts that secure the steering rack to the subframe. (See Photos 6, 7 & 8)



**Photo 9**

7. Loosen and remove the bolt that secures the transmission bracket to the cross beam/subframe. (See Photo 9)



**Photo 10**

8. Secure the driver and passenger side tie rod ends using a strap. **(See Photo 10)**



**Photo 11**

9. Support the subframe with a screw jack, then, loose the two forward subframe bolts, but do not remove them. **(See Photo 11)**



**Photo 12**



**Photo 13**



**Photo 14**

10. With the subframe still supported by a screw jack, remove the six subframe bolts (three per side) that secure the subframe to the chassis. **(See Photos 12, 13 & 14)**



**Photo 15**

11. Lower the subframe just enough to get access to the bushing brackets, then, loosen and remove the bolts that secure both the driver and passenger side bushing brackets to the subframe. **(See Photo 15)**



**Photo 16**

12. You can now remove the anti roll bar from the vehicle by pulling it out towards the rear of the vehicle. (See Photo 16) **Note: Be careful to note the orientation of the OE bar before removal, as the Eibach bar will be installed in the same orientation.**

## EIBACH FRONT BAR INSTALLATION



**Photo 17**



**Photo 18**

1. Apply some poly lubricant to the inside of the supplied Eibach front bushings, then, install the bushings onto the Eibach bar. (See Photos 17 & 18)



**Photo 19**



**Photo 20**

2. Install the Eibach anti roll bar into the vehicle as shown. (See Photos 19 & 20)



**Photo 21**



**Photo 22**

3. Raise the subframe up just enough to install the bushing brackets, then secure with the OE hardware. (See Photos 21 & 22)



**Photo 23**

4. Loosely secure the end links to the ends of the bar. (See Photo 23)



**Photo 24**



**Photo 25**



**Photo 26**

5. Raise the subframe upwards into its original position and secure it with the OE bolts removed in steps 9 & 10 of the removal process. (See Photos 24, 25 & 26)



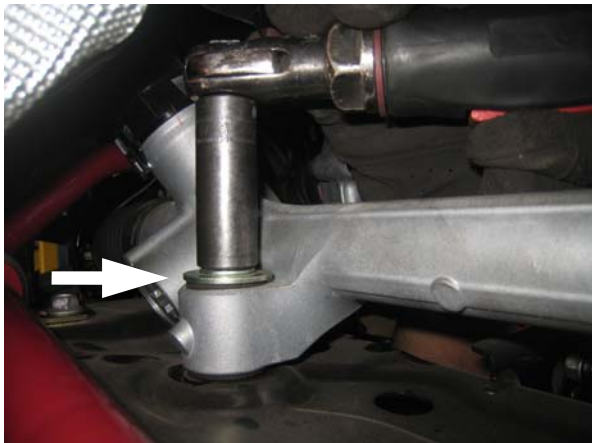
**Photo 27**

6. Secure the rubber exhaust hanger to the subframe. (See Photo 27)



**Photo 28**

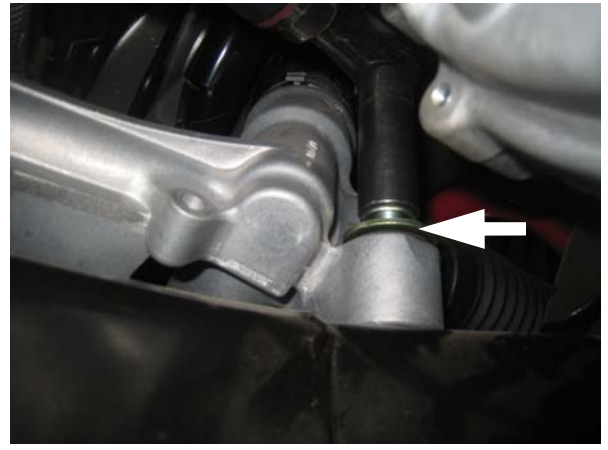
7. Secure the transmission mount to the subframe using the OE hardware. (See Photo 28)



**Photo 29**



**Photo 30**



**Photo 31**

8. Secure the steering rack to the subframe using the three OE bolts removed in step 6 of the removal process. (See Photos 29, 30 & 31)

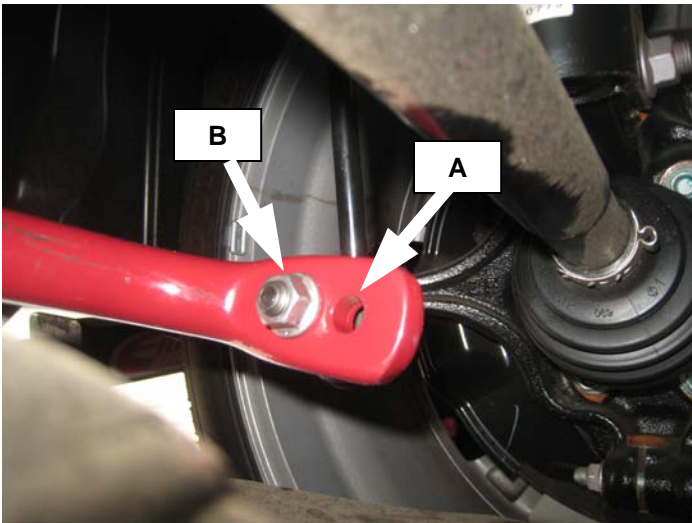


**Photo 32**

9. You can now tighten the OE hardware on the end link to bar end. (See Photo 32)



10. Double check to make sure everything is properly positioned and tightened.
11. After road testing, double check all hardware to make sure everything is properly tightened, then, reinstall the OE splash shields and plastic valances.



### **Tuning Front Bar.**

- a) Softest setting.
  - Reduces under-steer
  - Use in rain or on slick roads.
  - Use on rough or bumpy tracks.
  - Increases comfort.
  
- b) Firmest setting.
  - Reduces over-steer
  - Use on dry roads and tracks.
  - Use on smooth roads and tracks.
  - Do not use on wet or slick roads.