INSTALLATION INSTRUCTIONS
Progress Technology Front Anti-Sway Bar
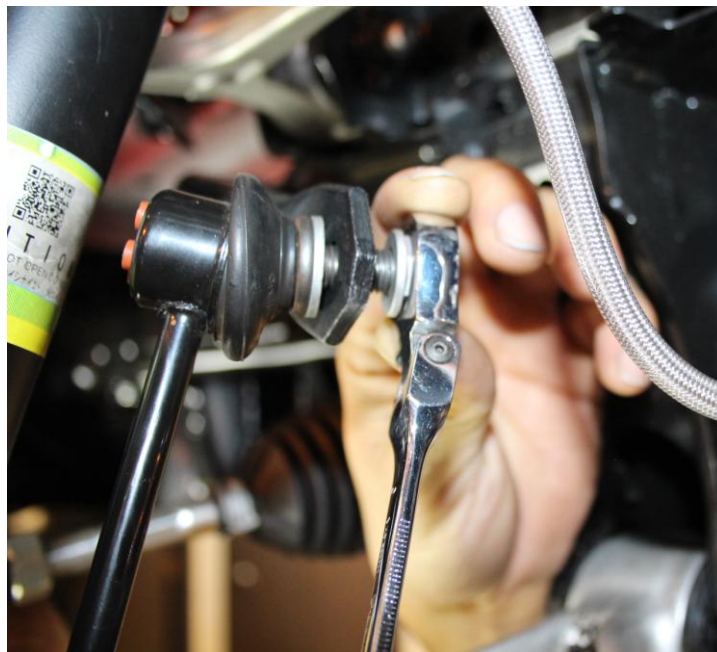Mazda MX-5 (ND)
Part # 61.1134
Rev. B (4/6/16)

WHO SHOULD INSTALL THIS PRODUCT?
Progress Technology products should only be installed by a qualified licensed mechanic experienced in the installation and removal of suspension components. Please read instructions from start to finish and verify the parts in the parts list before beginning installation.

Parts List

Description	Quantity
28mm Sway Bar	1
Bushing	2
Lube	1

1. Park vehicle on a smooth, level, asphalt or concrete surface. Block rear wheels. Jack up front end of car and support with jack stands at the jack points. Remove front wheels and tires. Remove the lower splash trays and lower inner fender splash guards.

2. Remove the end link from the sway bar leaving it attached to the lower control arm. Repeat on both sides. (Photo A)

(A)

NOTE: Removal of steering rack is required. The rack must be moved slightly to install the sway bar. The wiring can remain attached. Support the rack during these steps!

3. Locate the bolts that hold the rack in place to the sub frame. Loosen but do not remove. The top nut is captured so you will not need a wrench to hold the nut. (Photo B & C)

Driver Side (B)

Passenger Side (C)

4. Locate the steering linkage that connects to the steering rack. With a paint marker or scribe, mark across the coupler and splines before removing the steering shaft (D). This step will simplify reassembly. Remove the bolt that attaches the linkage to the rack (E). The shaft will slide out when the rack is lowered. (Photo D & E)
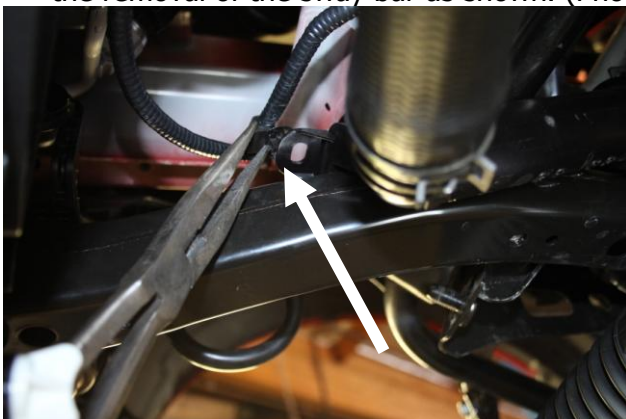

(D)

(E)

5. Remove the wiring harness from the housing (do not unplug) and the wires that interfere with the removal of the sway bar as shown. (Photo F & G)
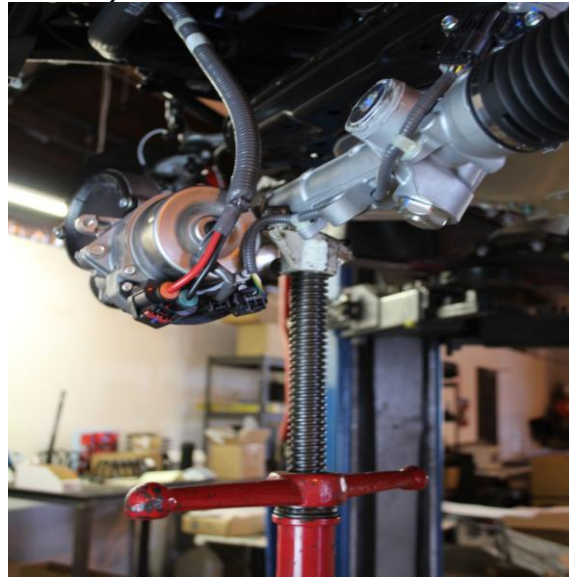

(F)

(G)

6. Remove the bolts and then remove the rack from its mounting position. ***Support the rack at all times***. DO NOT pull on the wiring harness! (Photo H & I)

(H)

(I)

7. Remove both bushing brackets from the chassis. You will re-use the brackets in Step 9. (Photo J)

(J)

8. Rotate the sway bar forward and remove the bar on the driver side. (Photo K & L)
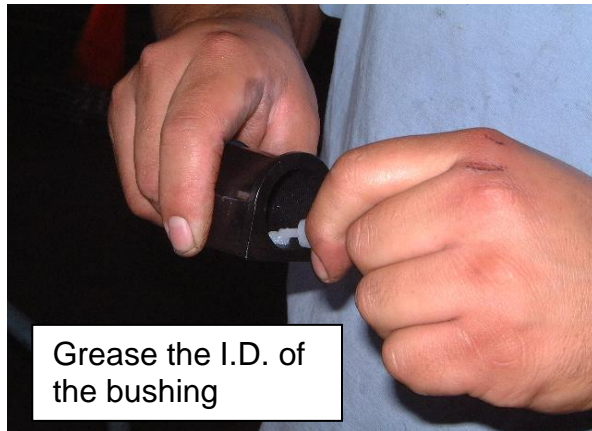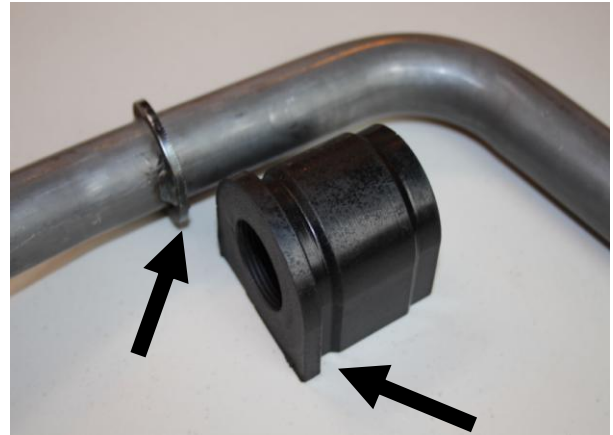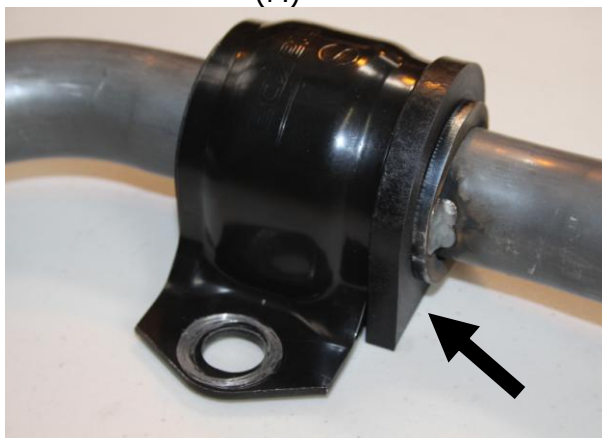

(K)

(L)

9. Install your new Progress sway bar in the reverse order. Once in place, locate the polyurethane pivot bushings and tube of special grease supplied in the hardware kit. Cut the end off the grease tube and apply the grease to the bore of the polyurethane bushings (in the hole). Open the bushings and snap them over the new sway bar, as positioned on the stock bar. **Make sure the flange side of the bushings is against the bushing stop rings on the sway bar**. Use the OEM bushing brackets and hardware to mount the sway bar and torque to 32-38 ft/lbs. (Photos M,N,O & P)

Grease the I.D. of the bushing

(M)

(N)

(O)

(P)

10. Attach the end links to the center hole and torque to 32-38 ft/lbs.

11. Reverse the steps when installing the steering rack and splash panels.

Torque Check

Hardware	Torque
Front sway bushing brackets	32-38 ft/lbs
Front end links	32-38 ft/lbs
Front rack mounts	82-102 ft/lbs
Steering coupler pinch bolt	15-18 ft/lbs
Lug nuts	75-90 ft/lbs

12. Reinstall the front wheels and torque lug nuts to 75-90 ft/lbs.

IMPORTANT NOTE ABOUT ADJUSTABLE SETTINGS:

We strongly suggest that your technician <u>initially sets the end links in the center position</u>. On the ND MX-5 application, the softer setting (hole closest to the tip of sway bar) will **<u>increase</u>** oversteer.

After installing the sway bar, we suggest that you drive the car carefully and within your

abilities, noticing the changes in the handling characteristics. If driving in poor weather, exercise additional care during cornering and braking until you are familiar with the handling.

If you chose to change the settings, remember to drive the vehicle carefully, and take note of the changes you have made to the suspension. You will notice a handling difference with each sway bar settings.

(Q)

Thank you for choosing Progress products.
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