



INSTALLATION INSTRUCTIONS

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50208 FRONT ANTI-SWAY BAR 06 MITSUBISHI ECLIPSE

CONGRATULATIONS!

You were selective enough to choose a **SUSPENSION TECHNIQUE** product. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation

Note: Confirm that all of the hardware listed in the parts list is in the kit. **DO NOT** begin this installation if any part is missing. Read the instructions thoroughly before beginning this installation.

Warning: **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

Warning: **DO NOT** drive the vehicle until all work has been completed and checked. Torque all hardware to values specified.

Reminder: Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!

Note: It is very helpful to have an assistant available during the installation process.

Note: We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

RECOMMENDED TOOLS:

- Blocks and Wheel chocks
- Ratcheting Socket Wrench
- Safety Glasses
- Properly rated floor jacks and support stands
- Combination Wrench

KIT INSTALLATION

1. Open the hardware kit and remove all the contents. Refer to the parts list (Page 4) to verify all parts are present.
2. Park the vehicle on a smooth, level concrete / asphalt surface and put the vehicle in gear or park. Place a block in front of and behind the front wheels. Jack up the front of the vehicle and place the jack stands in the factory specified locations. Refer to the Owner's Manual.
3. Using a properly rated floor jack, lift the front wheels of the vehicle off the ground. Place the support stands, rated for the vehicle's weight in the factory specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.
4. Slowly lower the vehicle onto the stands and, before placing the vehicle's entire weight on them, again check that they properly and securely contact the chassis as described above. Check for possible interference with any lines, wires, cables, or other easily damaged components.

IMPORTANT NOTE: The vehicle should be properly supported during this installation to prevent personal injury and chassis damage. Make sure that the support stands are properly placed prior to performing the following procedures. We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

IMPORTANT NOTE: Because of the slight complexity of this installation it is recommended that use of an assistant to perform this install is highly recommended.

IMPORTANT NOTE: The following installation pictures shows the use of a vehicle lift rather the basic hydraulic lift and jack stands.

1. LOWERING THE REAR ENGINE MOUNT SUPPORT SUB-FRAME

On this particular vehicle, the rear engine support mount will need to be loosened and moved downward slightly to squeeze the original equipment Anti-Sway Bar between the engine mount and the cars' frame.

- A.** Located at the rear of the engine supports are two sub-plates, one on each side (drivers' and passengers' side) (Photo 1). Using a 17mm wrench or an air ratchet with a 17mm socket head, remove the three bolts completely.

By removing the sub-plates, this will expose one of the main rear mount bolts. Using a 19mm wrench or an air ratchet with a 19mm socket head, remove the bolt completely (Photo 2). Attached to this sub-plate is a vibration rubber washer that is attached to the sub-plate,

- B.** Remove the side mounts hardware (Photo 2). Using a 17mm wrench or an air ratchet with a 17mm socket head, remove the hardware completely. Remove the vibration rubber washer also
- C.** With the rear main bolt exposed, using a 19mm wrench or an air ratchet with a 19mm socket head, remove the bolt completely (Photo 3, 4).
- D.** Located at mid-center of the sub-frame, another engine mount, behind the steering knuckle needs to be removed (Photo 5). Using a 19mm wrench or an air ratchet with a 19mm socket head, remove the nut completely (Photo 6), removing the vibration washer also.
- E.** At the rear center of the engine support mount, a bracket that attaches the power steering line needs to be removed. There are two brackets. Using a 12mm wrench remove the nuts that attaches the brackets (Photo 7, 8). By removing these brackets, this allows the engine sub-frame to be moved downward without any restrictions.
- F.** At the underside center of the engine, a metal stabilizer bar is located. This will need to be rotated out of the way. Using a 17mm wrench or an air ratchet with a 17mm socket head, remove the two mounting bolts (Photo 9).
- G.** Remove the two bolts that at the front end of the stabilizer bar. Using a 14mm wrench or an air ratchet with a 14mm socket head, remove the two bolts completely out (Photo 10).
- H.** The front engine mount mounting bolt needs to be loosened only. Located towards the front of the engines underside behind the stabilizer bar, using a 14mm wrench or an air ratchet with a 14mm socket head, loosen the bolt, not removing completely (Photo 11).
- I.** With the adjustable jack stand in position towards the rear center of the sub-frame, lower the rear end of the sub-frame (Photo 12). It should be pivoting from the front. Crank the adjustable jack stand to where the rear of the sub-frame creates a 1"-2" space (gap) between the sub-frame and the body.

The use of a large screwdriver or a pry bar makes it easier to create the gap needed to remove the original equipment Anti-Sway Bar.

2. REMOVAL OF THE ORIGINAL EQUIPMENT ANTI-SWAY BAR

- A.** Using a 14mm wrench, remove the four mounting bolts attaching the bushing bracket. Remove the brackets completely (Photo 13).
- B.** Locate the end links (Photo 14). Using a 14mm wrench, un-bolt the end link from the original equipment Anti-Sway Bar. Disengage the end link from the Sway Bar.
- C.** With the large screwdriver, open the gap between the sub-frame and the body (Photo 15). Remove the original equipment Anti-Sway Bar from the passengers' side first. Once you have maneuvered it through the gap, twist and turn while pulling it out from the passenger's side of the vehicle.

3. INSTALLING THE NEW ANTI-SWAY BAR

To simplify the installation of the new Anti-Sway Bar, the new bushings need to be installed after the new Anti-Sway Bar has been installed. You will not be able to install the new Anti-Sway Bar with the bushings on because of the limited space getting the Bar in.

- A.** To begin, install one end of the new Anti-Sway Bar from the passengers' side of the vehicle. Again, using the same method as you did removing the original equipment Sway Bar, do the same for the new one. Feed the end through, from where the original equipment was fed out of (Photo 16).
- B.** Once you have gotten the new Anti-Sway Bar up inside the gap (Photo 17), the new bushings can now be installed along with the bushing brackets (Photo 18).
- C.** Using the 14mm wrench or a ratchet with a 14mm socket head, tighten the mounting hardware at the bushing brackets.

4. RE-BOLTING THE REAR ENGINE MOUNT SUPPORT SUB-FRAME

- A.** Proceed from Steps 1I thru 1A. Work your way in reverse from the way it was un-bolted.

5. FINALIZING THE INSTALLATION

- A.** Check that all components and fasteners have been properly installed. Tightened and torque to manufacturer specs.
- B.** Check brake hoses, steering and other components for any possible interference.
- C.** Lift the vehicle and remove the support stands. Carefully lower the vehicle to the ground.
- D.** Immediately test-drive the vehicle in a remote location so that you can become accustomed to the revised driving characteristics and handling. Be aware that the vehicle will handle substantially different now that it has been modified.
- E.** Installation is complete. Check all of the hardware and re-torque at intervals of the first 10, 100, 1000 miles.

PARTS LIST FOR FRONT ANTI-SWAY BAR KIT

PART No.	DESCRIPTION	QTY.
50208-300	Front ASB	1
113075	Bushing	2
114026	Bushing Bracket	2
55000-10	Grease Pack	1



PHOTO 1



PHOTO 4

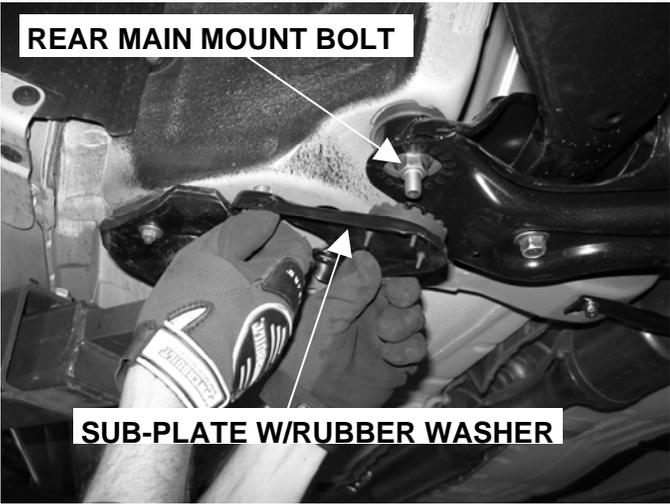


PHOTO 2



PHOTO 5



PHOTO 3

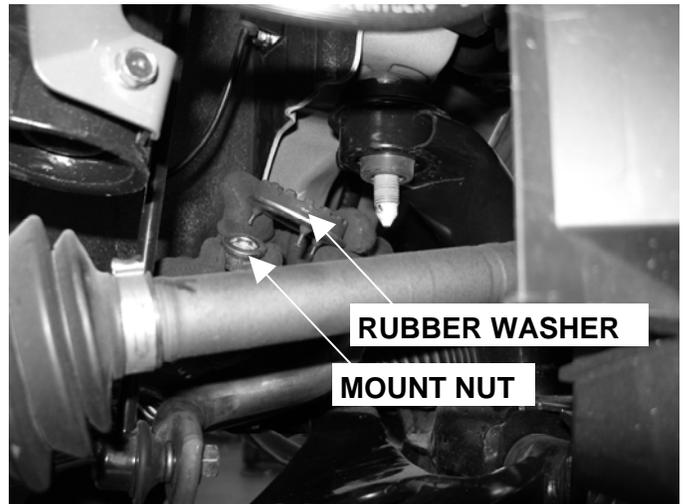


PHOTO 6



PHOTO 7



PHOTO 10



PHOTO 8

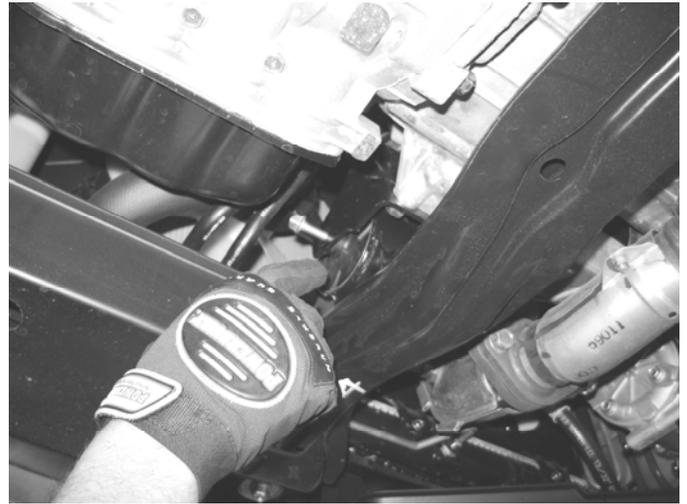


PHOTO 11



PHOTO 9



PHOTO 12

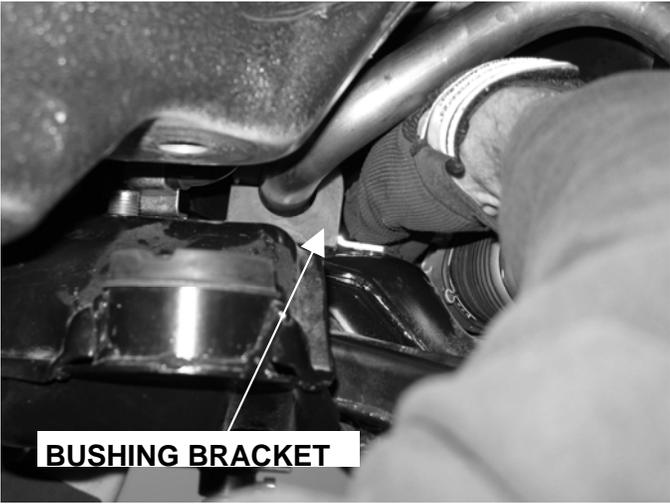


PHOTO 13

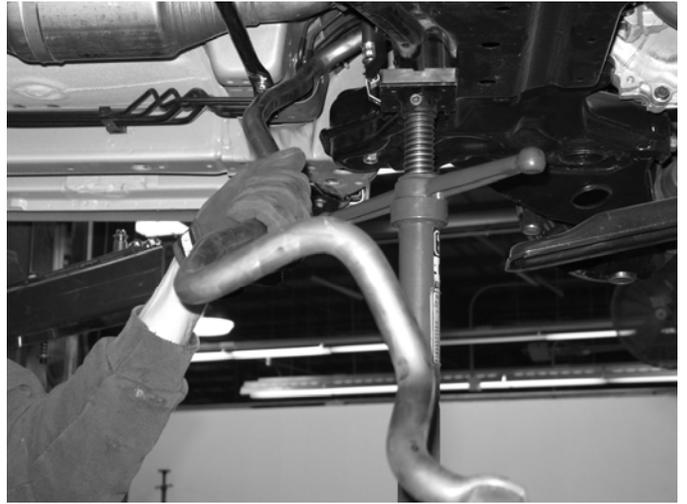


PHOTO 16

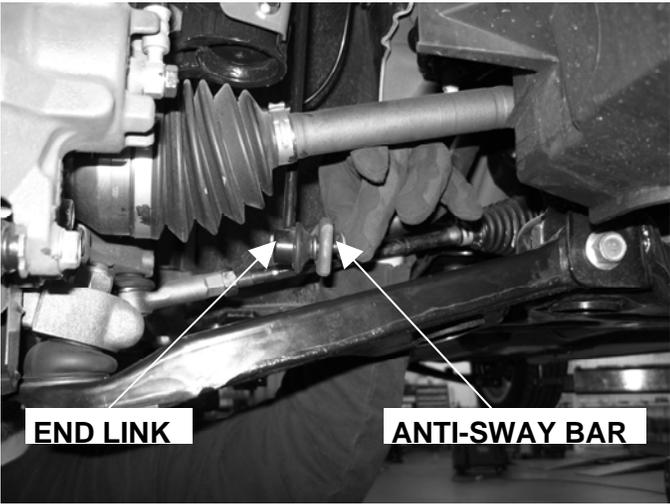


PHOTO 14



PHOTO 17



PHOTO 15

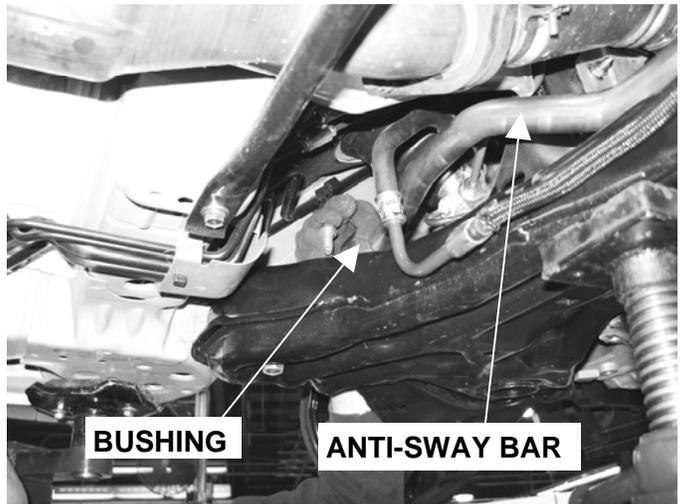


PHOTO 18