



INSTALLATION INSTRUCTIONS

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51006 REAR ANTI-SWAY BAR 2000-UP PT CRUISER

Thank you for being selective enough to choose our high quality SUSPENSION TECHNIQUES PRODUCT. We have spent many hours developing out 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 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 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 installation.

RECOMMENDED TOOLS:

- Proper weight rated Floor Jack, Support Stands, and Wheel Chocks
- Metric Combination Wrench- 15mm
- Ratcheting Socket Wrench with Metric Sockets- 15mm
- Locking Pliers
- Hammer
- Torque Wrench: *0-75 lb ft. range*
- Safety Glasses Rags and Cleaning Solvent

KIT INSTALLATION

1. Open the Hardware Kit and remove the contents. Refer to the Part List (Page 3) to verify that all parts are present.
2. Park the vehicle on a smooth, level concrete or seasoned asphalt surface and activate the parking brake. Block the FRONT wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1st gear (manual) or "Park" (automatic).
3. Using a properly rated floor jack, lift the rear wheels of the vehicle off the ground. Place 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.

It is very important that the vehicle is properly supported during this installation to prevent chassis damage and personal injury! Make sure that the supports stands are properly placed prior to performing the following procedures. We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

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.
Remove the rear wheels.

Note the installed position of the original rear Anti-Sway Bar and all of its related hardware (Photo 1). Remove the original Anti-Sway Bar and clean the mounting surfaces on the rear suspension. The original pivot bushing brackets and end-link hardware will be reused. Removal of the driver side end-link hardware requires using an open-end wrench (Photo 2).

Hold the new Suspension Techniques Anti-Sway Bar up to the vehicle to confirm its orientation. The Anti-Sway Bar is a direct replacement part and should be oriented similar to the original part.

5. Remove the original pivot bushing brackets from the original Anti-Sway Bar. This requires bending back the small tab located on the bracket (Photo 3). Use a small screwdriver (or similar to), too carefully pry the tab open (Photo 4). Be sure to only bend the tab as far as needed to separate the two pieces.
6. Thoroughly lubricate the **inside** of the new polyurethane bushings using the lubricant provided (Photo 5). Locate the bushings on the Suspension Techniques Anti-Sway Bar so that they will align with the mounting locations. Rotate the bushings slightly too evenly spread the lubricant (Photo 6).
WD-40™ is recommended to help remove excess lubricant.
7. Re-assemble the pivot bushing brackets (Photo 7) in the reverse order as described in Step 6. The two-piece bracket may be difficult to close over the new bushings. Use a set of locking pliers to close and hold the bracket together and carefully tap the tab with a hammer to secure the assembly (Photo 8). Be sure to inspect the bushings and brackets for proper alignment prior to installation (Photo 9).
8. With the hardware easily accessible, loosely fasten the bar to the end-links using the original fasteners (Photo 10). With both end-links attached, swing the Bar into position on the axle (Photo 11). Align the pivot bushing brackets with their mounting holes and install the hardware finger-tight. Note that the jointed end of the pivot bushing assembly must fit in the slots in the axle.
9. Before tightening the pivot bushing and end-link hardware, align the Anti-Sway Bar so it's centered on the rear axle. Tighten and torque the mounting and end-link hardware (Photos 12 and 13) to 30 lb ft.
! All hardware being fastened to the vehicle's original fastening points should be torqued to the proper specifications. To prevent chassis damage, never over-torque the hardware.
10. Check that all components and fasteners have been properly installed, tightened and torqued (Photo 14).
11. Re-install the rear wheels and tighten and torque the lug nuts to the Manufacturer's specifications.
12. 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.
13. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

PARTS LIST FOR 51006 ANTI-SWAY BAR KIT

PART #	DESCRIPTION	QTY
51006-300	Rear Anti-sway Bar	1
51006-020	Urethane Pivot Bushing	2
55000-10	Grease Pack	1



