

Installation Guide ► Toyota RAV4.1

Rear Sway Bar

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Tools Needed:

1. $\frac{3}{8}$ in. ratchet drive
2. 14 and 17 mm sockets
3. 14 mm deep socket
4. 14 mm open/boxed wrench
5. Drill with strong $\frac{1}{2}$ and $\frac{1}{8}$ in. bits



Parts Needed

1. Addco $\frac{3}{4}$ in. rear sway bar (part number 449), which is available through Summit Racing (ACO-449)
2. Included Installation Kit for the 2 door RAV4
3. Adapter for 4 door RAV4. Call Tech Support, at 1-800-338-7015.



You might need to pay shipping. It is 3 in. square tubing.

4. Synthetic Bushing Grease



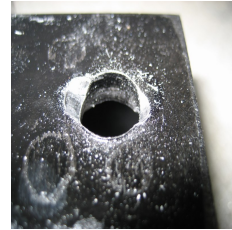
(I used brake caliper grease)

5. Energy Suspension End Links - 1.5 in. longer than the included links. The threads will begin at the end of the old bolt, as seen below.



Prep Work

1. With the Adapter(square tubing) held down safely, drill out the $\frac{3}{8}$ in. holes on one side to be $\frac{1}{2}$ in. This makes the fitting go much easier, if the U-bolts are not perfectly squared.

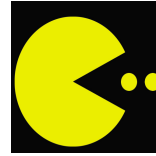


I just beveled the edges, but drilling through is better.

2. Using one of the flat plates from the 2 dr. kit as a guide, set one hole over the large frame hole. Stick your finger in it to make sure it doesn't move. Mark the center of the other hole, using a marker/grease pencil. The mark should be colinear with the 2 small holes (about an inch behind the mark). See picture for clarity.
3. Drill $\frac{1}{8}$ in. holes in the frame, where the marks are, being careful that the drill bit does not walk out of position.
4. Drill $\frac{1}{2}$ in. holes, using the $\frac{1}{8}$ in. holes for centering.
5. Fit the U-bolt into the frame, to make sure it looks like this.

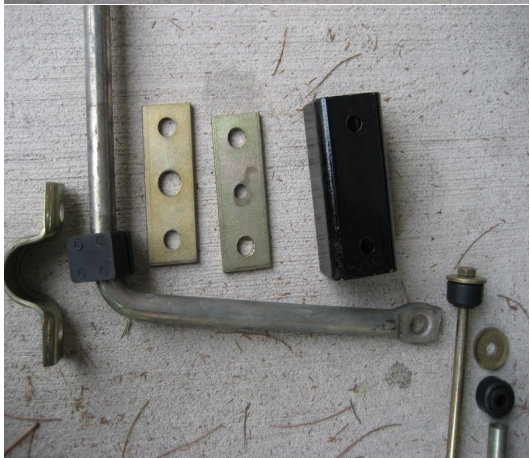


6. Grease the bushings and put them on the sway bar, a la Pac-Man.



Feel free to make the noises too. waak-a-waak-a. . .

Mock up the whole setup, so that you know where every piece goes.



Installation

1. Push the U-bolt through the enlarged holes in the adapter, and twist on the 14mm locknuts. Be careful of sharp edges.
2. Using your 14mm open-end wrench, tighten the lock nuts down. $\frac{1}{12}$ of a turn, then flip the wrench and repeat. 30 minutes later, you will have all 4 locknuts done. Make sure that there are an equal number of threads showing on each end of the U-bolt end.



3. Impress the ladies with your now beefy forearms.
4. Push the small bolts through the holes in the bushing bracket, then the 2 flat plates, and the adapter. Hand tighten the locknuts down.
5. Loosen one of the two locknuts on both brackets, and swing the brackets out of the way, leaving the flat plates in place.
6. Position the sway bar into place, and set the bushings into the brackets.
7. Rotate the brackets back into place, and tighten the locknuts with your 14mm deep socket.



8. Remove the old bolt from the lower shock absorber mount.
9. Replace it with the big bolt included in the kit. Big washer on shock, L bracket (the short side), washer, then big bolt.



10. Tighten this bolt down to about 30 ft-lbs (or gorilla-tight). Make sure that the bracket is parallel to the ground. For lowered RAVs, the L bracket will hang below the bolt. For stock springs, the L bracket will be above the bolt.



11. Set your end links, as seen above. If things don't fit perfectly, either the bar is in backwards, or your L-bracket is angled. This is your troubleshooting step, so make sure everything feels right. Now Enjoy!