

Installation instructions

For set # 8.10108
03-09 Toyota 4RUNNER
Power Steering Gear Bushings

ENERGY
SUSPENSION 

1131 VIA CALLEJON, SAN CLEMENTE, CA 92673

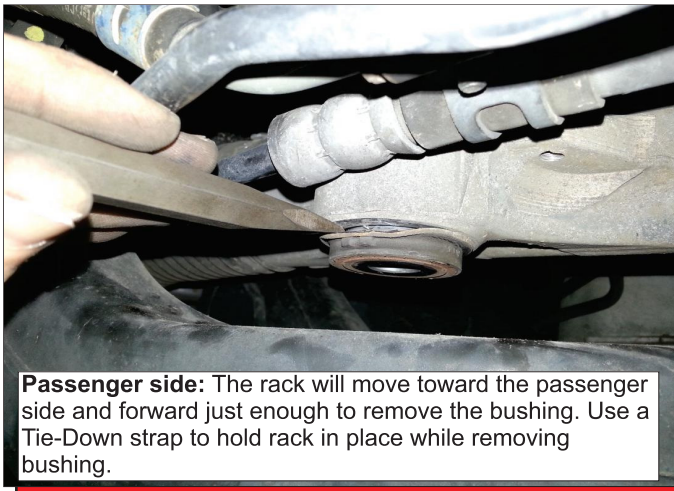
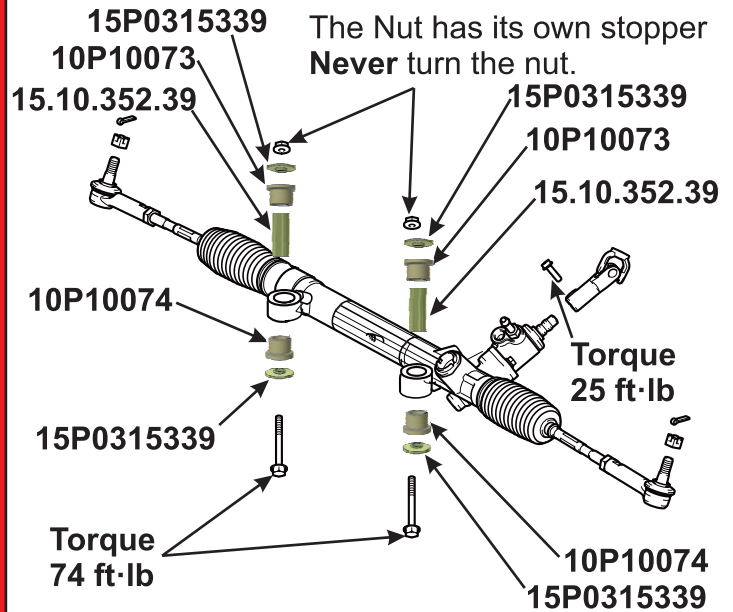
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It is recommended that if you are unfamiliar with this type of work that you refer to a qualified service center specializing in this type of work. It is also recommended that if you choose to do this work yourself that a factory service manual be obtained for the proper procedures pertaining to removal, replacement and proper torque specifications for your vehicle. This instruction set is intended as a guideline for the safe installation of Energy Suspension's polyurethane bushings, once you have removed the factory components from your vehicle. Wheel alignment is almost always disturbed when suspension components are removed or replaced. It is recommended that you have the alignment checked on your vehicle at a qualified alignment shop. Energy Suspension recommends that you read over all the installation instructions and check all P/N's and quantities in the parts list before you start. Call customer service at 949-361-3935 if the parts in your kit do not match this parts list. Prior to installation, make sure that your vehicle is in excellent mechanical condition and that there are no suspension or steering related problems. This part has been designed to work only with a vehicle that is in good state of repair. No matter how carefully we design our parts, this is one area we have no control over and cannot be held responsible.

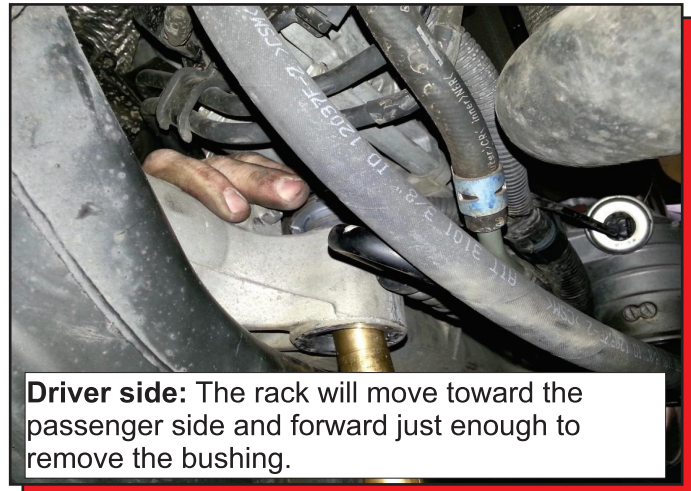
ATTENTION: We recommend acquiring a Toyota factory workshop manual for all warnings and procedures to safely remove and install the power steering gear. The old bushings can be removed without completely removing the power steering gear or disconnecting the power steering fluid lines. Place a matchmark on the steering intermediate shaft assembly and power steering gear splines for reassembly later. Disconnect both tie rod ends from steering knuckle. When removing the 2 bolts and 2 nuts, the nut has its own stopper so **never** turn the nut. Be sure to turn only the bolt. Once the bolts are removed, you should be able to move the power steering gear over to the right or left, depending on the side being worked on, to get clearance to remove the old bushings. You may need to remove the two M6 x 1.0 bolts that secure the power steering fluid lines onto the front of power steering gear. The old shell must be removed from the power steering gear (see attached pictures) using a chisel to get under the flange of the shell first and then using a pickle fork to remove the bottom bushing. To remove the top bushing use a punch to knock it from the bottom up. Bracing with a pry bar or strapping the rack down helps hold the assembly in place. Once the four old bushings are removed, install bushing 10P10073 top and 10P10074 bottom followed by the sleeve 15.10.352.39. Use a little grease to help with pushing in the sleeve. Slide the power steering gear back into position then place the cap washers 15P0315039 on top and bottom of the sleeve, install the bolts and nuts. Torque the bolts to 74 ft·lb. Be sure to turn only the bolt, not the nut. Connect the tie rod ends to the steering knuckles with the nut. Torque to 67 ft·lbf and tighten the nut up to the next hole. Install a new cotter pin. Align matchmark on the steering intermediate shaft assembly and power steering gear splines. Torque the bolts to 25 ft·lb. We recommended that you have the alignment checked on your vehicle at a qualified alignment shop.

Parts list: 8.10107

- 2 - 10P10073 Upper Power Steering Gear Bushing
- 2 - 10P10074 Lower Power Steering Gear Bushing
- 4 - 15P0315339 Cap Washer
- 2 - 15.10.352.39 .875 x .563 x 2.330 Sleeve



Passenger side: The rack will move toward the passenger side and forward just enough to remove the bushing. Use a Tie-Down strap to hold rack in place while removing bushing.



Driver side: The rack will move toward the passenger side and forward just enough to remove the bushing.

17P17722

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