

# Installation instructions

## For set # 16.10106

### 2000-2009 Honda S2000

## Front Rack & Pinion Bushing Set



1131 VIA CALLEJON, SAN CLEMENTE, CA 92673

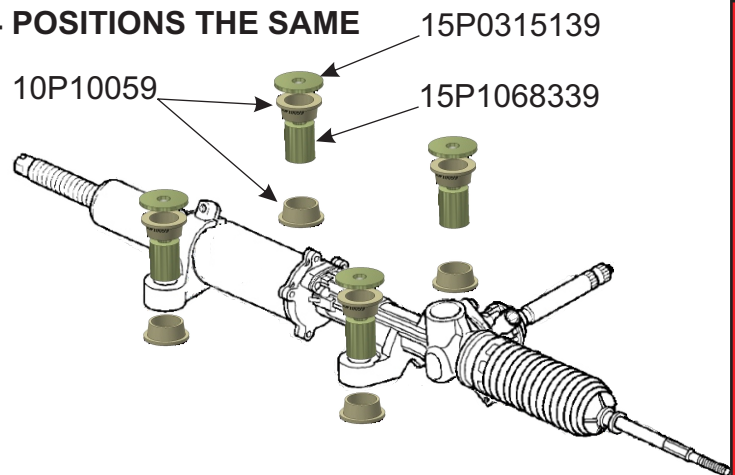
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It is recommended that if you are unfamiliar with this type of work that you refer to a qualified service center specializing in this type of work. It is also recommended that if you choose to do this work yourself that a factory service manual be 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.

### Parts list:

- 8 - **10P10059** Rack & Pinion Bushings
- 4 - **15P1068339** Sleeve (.875" x .406" x 1.150")
- 4 - **15P0315139** Washer (1.438" x .406" x .125")
- 1 - **17P17695** Instruction Sheet

ALL 4 POSITIONS THE SAME



The old rubber bushings in all 4 positions are not bonded to the I.D. of the rack & pinion but they are bonded to the inner metal sleeve. The bushings can be removed without removing the rack & pinion from the vehicle. It is difficult getting your hands in there to do the work but it can be done. If you decide to remove the rack & pinion, we recommend a factory service manual be obtained for the proper procedures pertaining to removal, replacement and proper torque specifications for your vehicle.

To start, first disconnect the negative cable from the battery. Loosen the lug nuts. Jack up the vehicle. Support with jack stands. Remove the front wheels. Remove the splash shield. Remove the sway bar brackets and let the sway bar swing down and out of the way. Remove the 4 bolts from the top of the rack that mount it to the sub frame. At this point you should be able to move the rack around to remove the old rubber bushings. To do this you will need to make a simple puller. **Fig. 1** The parts needed to make a simple puller to remove old rubber bushings from the rack & pinion can found at local hardware store, around the house, grandpa's old toolbox or a friend or neighbor. The parts shown in these instructions are a close representation and intended only as an illustration. With the simple puller parts stacked as shown, use two 9/16 wrenches and tighten the nuts. **Fig.2** Continue to tighten the nuts until bushing is over half way out. **Fig. 3** Grab the puller and wiggle the assembly back & forth, the puller and bushing should come out easily. **Fig. 4** Repeat this process at other 3 positions. Install the new bushings in the order shown above. **Fig.5** Tighten the factory bolts evenly to factory torque specs. **Fig. 6** The bushings are thin and may start to squirt out, it may be necessary to loosen and tighten the bolts several times before the bushings will properly seat. Reinstall the sway bar and brackets. Install the splash guard. Install the front wheels. Jack up the vehicle, remove the jack stands, and lower the vehicle to the ground. torque the lug nuts. install the negative battery cable. It is recommended that you have the alignment checked on your vehicle at a qualified alignment shop.

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**1**

3/8-16 x 5" All Thread

3/8-16 Nut

Thick Flat Washer

1-3/8 " I.D. Tubing

3/8-16 Nut

Parts needed to make a simple puller to remove old rubber bushings from rack & pinion can be found at local hardware store, around the house, grandpa's old toolbox or a friend or neighbor.

**2** With the simple puller parts stacked as shown use two 9/16" wrenches and tighten the nuts.

**3** Tighten the nuts until bushing is more than half way out.

**4** Grab the puller and wiggle the assembly back & forth. The puller and bushing should come out easily.

**5**

Reuse Factory Bolts

15P0315139 Flat Washer

15P106839 Sleeve

10P10059

**6** Right Side Left Side

Torque Factory Bolts To 32 lb.ft.