

SRB, Z31 Polyurethane Steering Rack Bushings.

Caution: If this product has been manufactured within the last two weeks, DO NOT INSTALL at this time.

This product requires a full 30 days to cure before full compressive force is applied to the product.

CAUTION:

These bushings are designed for the $\frac{15}{16}$ " wide hold down bracket.

If the hold down bracket does not fit tightly, do not install these bushings. There will be unwanted movement of the steering rack if you use a smaller hold down bracket.



Your steering rack bushings have been made from custom molded PMC-790 urethane rubber with these specifications; 90 Shore A hardness, 300 pli (pounds per linear inch) tear strength and 600% elongation at break.

At the time of manufacturing a coating of silicon spray mold release (friction reduction lubricant) is transferred to the product. In addition, the mold surfaces are highly polished.



This molding process produces a very glossy surface with a micro bonded silicon surface lubricant. This attribute is a plus for reducing unwanted sounds sometimes produced by polyurethane parts when part of a dynamic suspension system. The steering rack (SR) housing assembly is not designed to move once installed. The rubber bushings are present to reduce road surface vibration felt by the driver through the steering wheel.

What you need to do before installing them:

You will need to physically clean and remove any residual mold release compound from all contact surfaces of the bushings. During this cleaning process the SRB mating surfaces will become scuffed which promotes friction and reduce the possibility of unwanted movement of the SR housing within the hold down clamps



3 Steps: In your set of SRB you will find an abrasive pad. This pad, acetone and clean rags are the cleaning tools required.

- Clean each of the bushing with a clean rag dipped in acetone. Rotate the rag to a new area for each of the bushing's mounting surfaces. Once completed, repeat the process



Read instruction information fully before any work is done on the vehicle:

Use these instructions as a guide. If you do not have adequate mechanical skills, have this work done by a qualified automotive mechanic.

If you are doing the work yourself, you should

be following the guidelines in the Haynes "Nissan 300ZX Automotive Repair Manual" #1137. See Chapter 10 "Suspension and Steering".

- Using the supplied abrasive pad wetted with acetone, scrub the inside/outside surfaces of the two 'C' clam shell shaped parts and the same for the 'split-O' donut bushing.
- Lastly, clean the SR housing mounting surface and hold down clamps as prescribed above.

A NOTE about the use of acetone. Read the WARNINGS on the acetone container. Use only in an open well ventilated area. Acetone is extremely flammable with a flash point of -4 °F.

Visually inspect each of the surfaces to confirm that they are deglossed and lightly abraded.

Micro abraded mating surface, free of lubricants, oils, grease and loose debris form a tighter bond through increased surfaces adhesion.



At this point the bushings can be installed.

HOWEVER for additional adhesion:

To prevent any movement at all; prior to assembly, apply a liberal coating of a moisture cure polyurethane adhesive to all mating surfaces. **3M Windo-Weld** and **Sikaflex 1A** are this type of adhesive.



Remove any residual or excess adhesive with mineral spirits. Other aggressive solvents may damage painted surfaces or affect the curing of the adhesive.

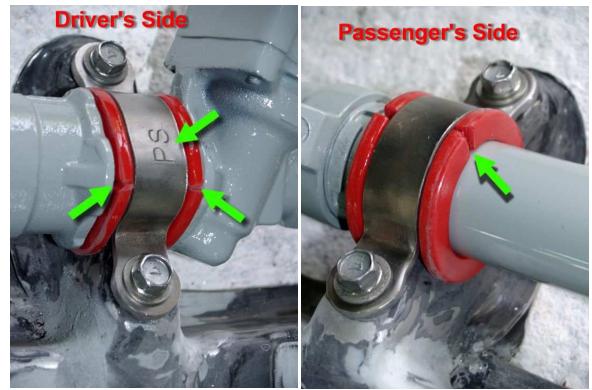
Always used good safety precautions while working with tools. Use proper jacking equipment on a level surface when jacking up a car. Tires must be block to prevent the car from rolling off the jack. Once the tires are off the ground, support the car with jack stands to prevent it from falling and harming a person under the car.

**KEEP CHILDREN AWAY FROM CARS
THAT ARE BEING WORKED ON.**

Warranty: There is no warranty. Use this product at your own risk.

- www.garymolitor.com

Reference Images.



Another "objet d'art" from the studio of Gary William Molitor



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