

**IPS152 - Installation instructions for IPSCO Power Steering
Rack Bushing for 1992 to 2010 Viper**



WARNING

Modification of your vehicle with the parts identified above may alter its stock performance; the buyer hereby expressly assumes all risks associated with any such modification.

DISCLAIMER OF WARRANTY

Seller disclaims any warranty express or implied with respect to the parts sold hereby whether as to merchantability, fitness for particular purpose, or any other matter. IPSCO assumes no liability expressed or implied for the improper installation or use of this product or its components. IPSCO is NOT responsible for any damage, consequential or otherwise for equipment failure after installation.

Tools Needed:

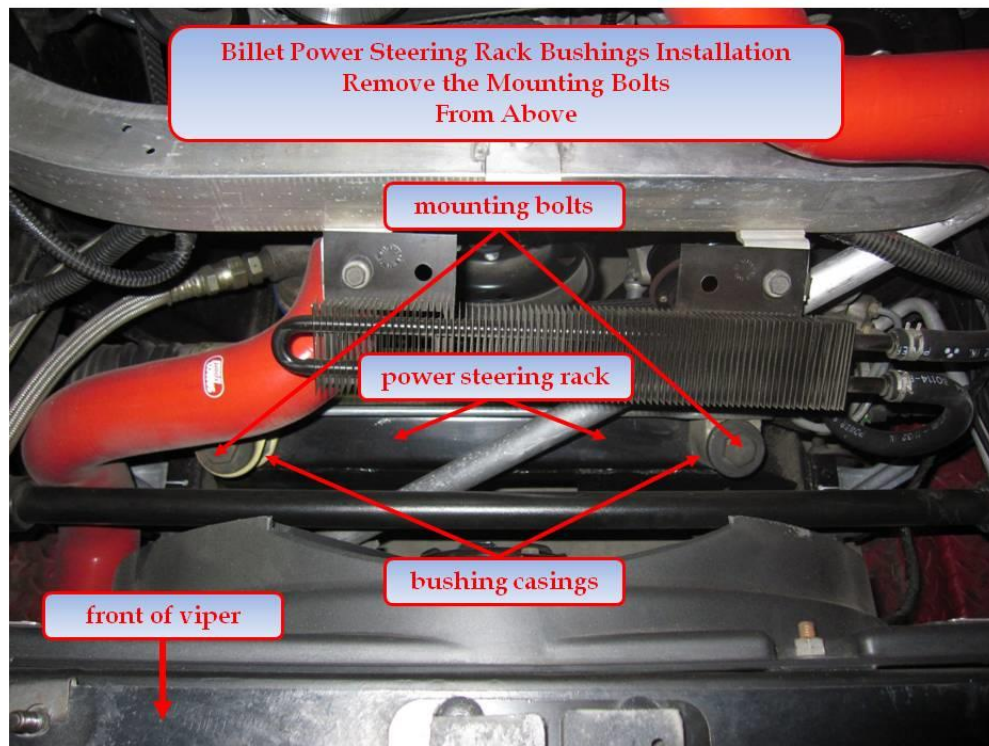
- Ratchet (3/8" or 1/2")
- Ratchet extension (12"-14")
- 15/16" or 24mm socket
- Torque wrench (capable of 150 ft.lbs.)
- Pliers (flat-nose or channel lock)
- Slotted screwdriver

Step 1 - Remove the Air Cleaner Assembly



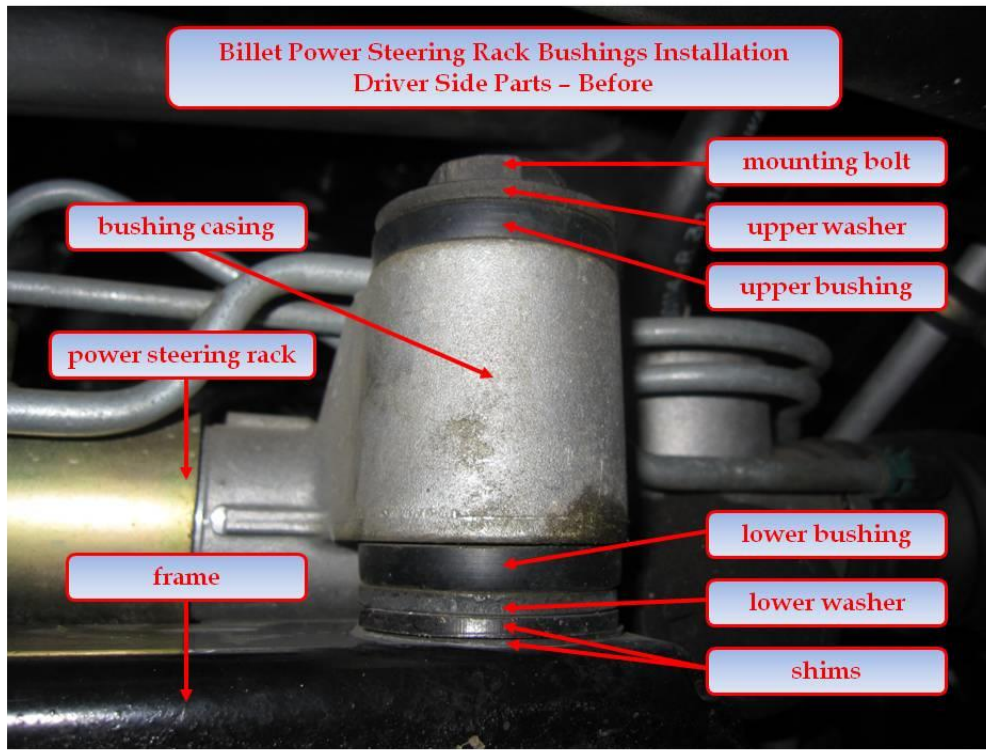
1. Remove the 3 fasteners (air cleaner screws) that mount the Air Cleaner Assembly (2 on the air inlet housing to the radiator support, 1 on the air outlet housing to the cross car beam).
2. Remove the Crank Case Vent (CCV) hose from the air outlet housing.
3. Remove the Idle Air Control (IAC) hose from the air outlet housing with the pliers.
4. Disconnect the intake air temperature sensor electrical connector from the air outlet housing.
5. Remove the hose clamps from the air cleaner tubes at the throttle bodies with a slotted screwdriver.
6. Remove the complete Air Cleaner Assembly.

Step 2- Removing the Power Steering Rack (PSR) mounting bolts

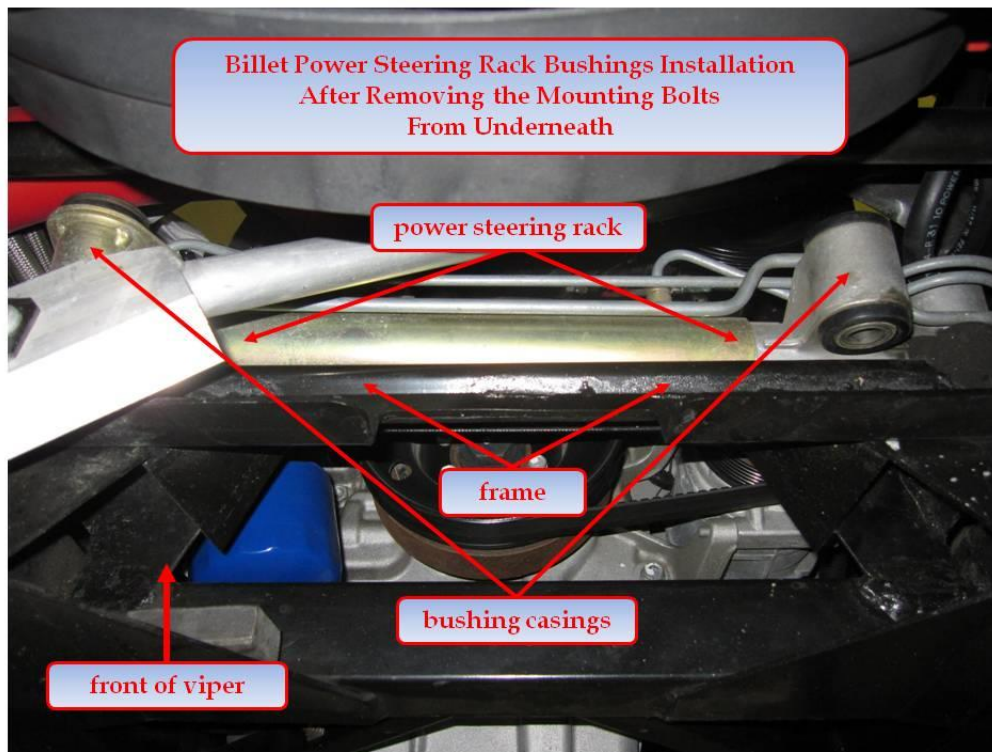


1. Remove the Power Steering Rack (PSR) mounting bolts (2) with a 15/16” (or 24mm) socket using a 12”-14” extension.
2. Keep track of the shims for each PSR mounting bolt, as they will be used when installing the new PSR billet bushings. The shims are located between the frame and the lower washer.
3. Also keep track of the upper and lower washers, as they will also be used when installing the new PSR billet bushings.

The rest of these instructions are easier performed from under the viper. Raise the viper via a lift or jack and jack stands.



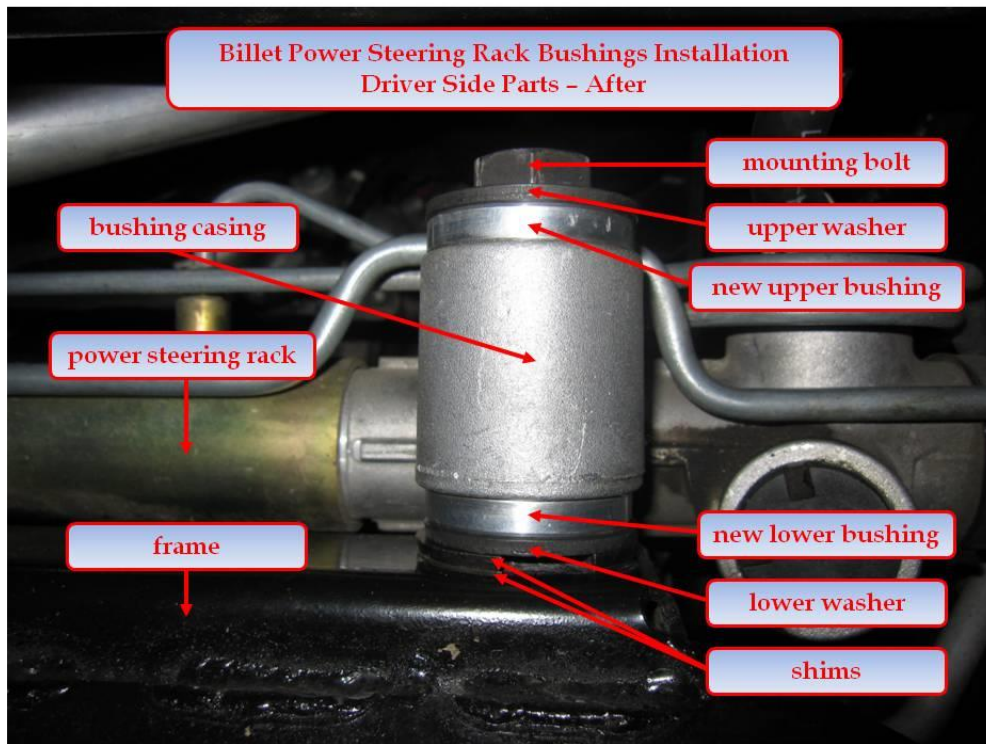
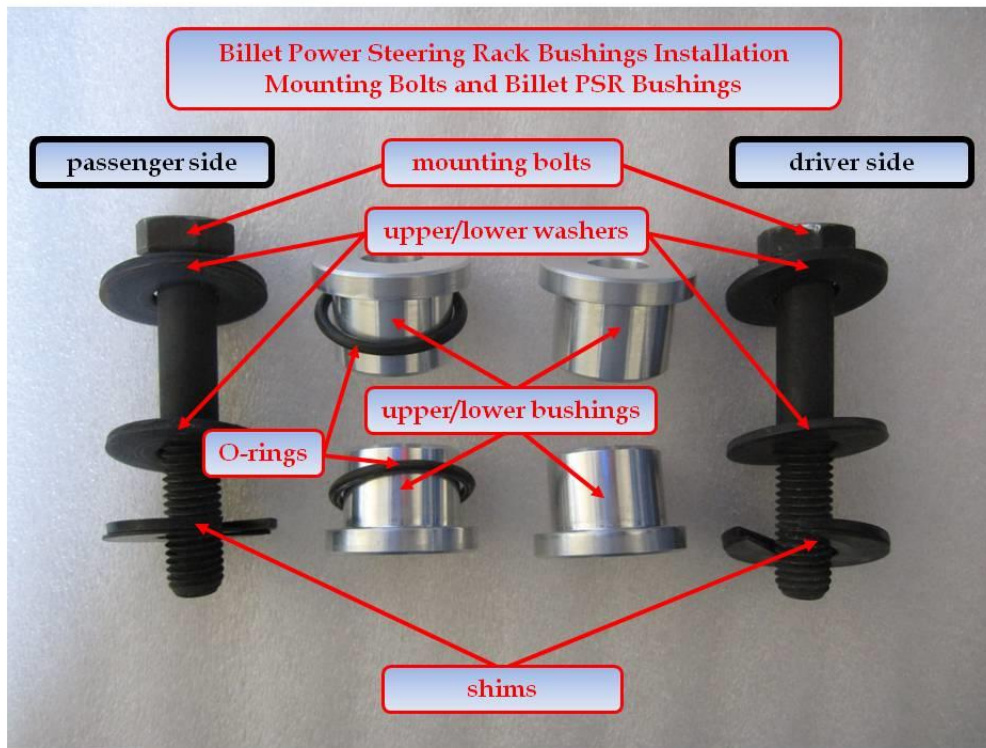
Step 3 - Removing the stock PSR bushing

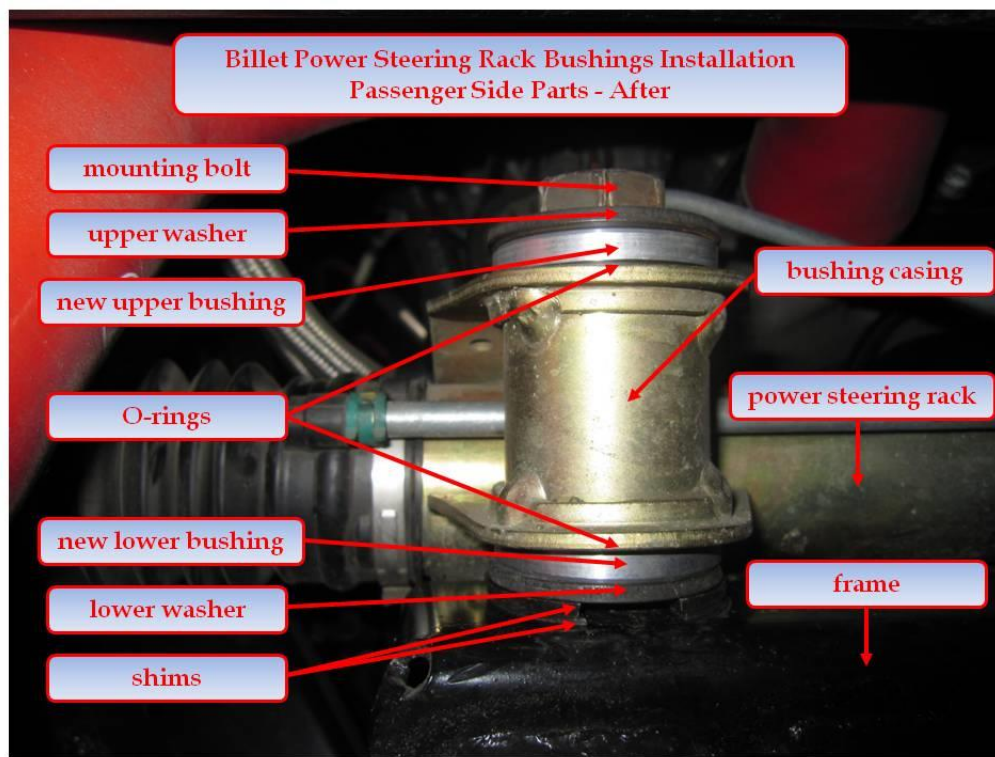


1. Lift the PSR off the frame.
2. Remove the stock upper and lower PSR bushings from each side by prying the edges from the PSR bushing casings.

3. The passenger side stock PSR bushings have O-rings at each end. Keep track of these O-rings, as they will be used when installing the new billet PSR bushings.

Step 4- Installing IPSCO billet PSR bushings





1. Install the new upper and lower billet PSR bushings, upper and lower washers, shims, O-rings (passenger side only) and PSR mounting bolts.
2. Position the PSR back onto the frame. Thread the driver side-mounting bolt first. The passenger side frame has a slot that provides that side more room for lateral movement while positioning the PSR.
3. Torque the PSR mounting bolts to 150 ft.lbs.

Step 5 - Install the Air Cleaner Assembly

1. Position the air cleaner housing in place and line up the 3 fastener holes (2 to the radiator support, 1 to the cross car beam).
2. Connect the air cleaner tubes at the throttle bodies.
3. Install the 3 fasteners (air cleaner screws) that mount the Air Cleaner Assembly (2 on the air inlet housing to the radiator support, 1 on the air outlet housing to the cross car beam).
4. Tighten the hose clamps to the air cleaner tubes at the throttle bodies with a slotted screwdriver.
5. Tighten the 3 fasteners (air cleaner screws) that mount the air cleaner housing.
6. Connect the intake air temperature sensor electrical connector to the air outlet housing.
7. Connect the IAC hose to the air outlet housing with the pliers.
8. Connect the CCV hose to the air outlet housing.