

PROTECT YOUR INVESTMENT!

**DON'T ONLY CHANGE THE RACK,
CHECK THE REST OF THE SYSTEM.**

The fact that your old rack is leaking or has stiff steering may indicate another component in the system may have caused the problem. A properly maintained steering system should last 70,000 miles. In order to determine why the system failed, we recommend that you do the following: collect a sample of the old fluid, which can be retrieved from the pump or the rack itself by turning the pinion back and forth. The fluid you collect should be filtered through a coffee filter, napkin, or left to settle in a clean cup for at least 30 minutes.

After you have filtered the fluid, look to see if there is any foreign material, such as pieces of the hose (they deteriorate on the inside), or metallic particles from the power steering pump. The particles cause most racks to prematurely fail. If the cup method of filtering was used, tip the cup on its side and rotate it slowly to see if either hose or metal has settled to the bottom. In either case, if foreign material is discovered, the power steering pump and hoses must be replaced, and a thorough flushing of the system is required for the warranty to be honored.

PROCEDURE FOR FLUSHING (SHOULD BE DONE WITH ALL INSTALLATIONS)

1. Remove the old rack from the car, and compare it with the unit you were supplied. Verify that the length is the same. If they are not the same, call our Tech Hotline to verify that the unit is correct. Before returning the core check to make sure you have all the necessary hardware off your old unit before you return it for credit.
2. If the vehicle has a remote power steering reservoir (as in many import applications), remove it from the vehicle, wash it out and reinstall it. If the reservoir is attached to the pump, drain the system by running the vehicle to pump it dry (10 seconds only). We also recommend that you examine the fluid for foreign materials from the pump or hoses, and replace the related items if necessary.
3. With an air hose and a long tip blow gun, blow into the bottom of the empty reservoir to loosen the sediment. **COVER THE OPENING OF THE RESERVOIR WITH A SHOP TOWEL AND YOUR HAND. WEAR SAFETY GOGGLES.**
4. Now start the car and pour a gallon of power steering flush (or transmission fluid) through the pump reservoir.
5. Turn the car off. Discard this fluid.
6. Place the pressure and return hoses into the empty gallon container you just used and start the car again. Now pour 1 quart of power steering fluid through the power steering pump reservoir.
7. Turn the car off.
8. Now look at the fluid you just collected in the 1 gallon container. If it is not **ABSOLUTELY** clean, repeat the procedure again. If this does not clean the system, replace the power steering pump and hoses.

NOTE: A second person to start and stop the engine will make this procedure easier.

DO NOT RUN THE CAR ANY MORE THAN NECESSARY WHEN FLUSHING THE SYSTEM

Remember the smallest pieces of foreign material can cut the high-pressure lip seals causing the unit to leak. **A CLEAN SYSTEM IS A MUST.**

Once you are satisfied that the system is flushed clean, then install the new rack and pinion. Use only manufacturer's recommended power steering fluid when re-filling the system. This procedure must be followed to validate your warranty.

If you have any questions call our **TECH HOT LINE at 1-888-807-8929.**