

# CARDONE™ ProTech®

Supporting Today's Vehicle Technician



## Steering Gear Pitman Shaft Movement

**Application** Vehicles with power steering gear boxes.

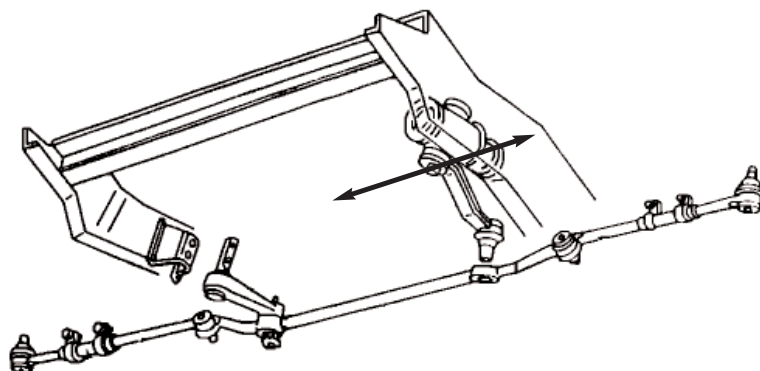
**Problem** Observed side-to-side movement of the steering gear box pitman shaft.

**Cause** The majority of power steering gears are built with a roller bearing that supports the pitman shaft and allows it to rotate; the force that is placed on the pitman arm transfers to the pitman shaft. This roller bearing is designed to absorb that type of movement, however, for some applications a noticeable amount of lateral movement can be observed (see graphic below). This is a normal characteristic of a roller bearing when used in this application.

### IMPORTANT NOTE

- This is not the result of a defective steering gear and/or other related internal steering gear components.
- This type of play is not related to excessive steering wheel play or vehicle drift and wander.

**Solution** Diagnosis and repair of steering wheel play, vehicle drift or vehicle wander may be attained by referencing your vehicle's service manual and technical service bulletins related to steering problems. For example, see Chrysler (Dodge truck) TSB 05-04-99.



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**Made by O.E. – Remanufactured Best by CARDONE™**

## Power Steering Pumps

- Control Valves
- Power Cylinders
- Power Steering Pumps
  - Filters
- Rack & Pinion Units
- Steering Gears

**Cam Rings** - In order to prevent low flow, noise, or no pressure, CARDONE™ resurfaces the cam ring to give it the original, consistent surface. By running your finger around the inside of the cam ring, you will be able to feel the smooth inner surface. Every unit is tested for proper flow and pressure to make sure it meets all OEM specifications. This process ensures a high quality unit that won't come back.

- Limited lifetime warranty
- Contact your local auto parts store or visit our web site, **cardone.com**, for more information on this and other CARDONE™ products today!

