

CARDONE ProTech

Supporting Today's Vehicle Technician



ProTech Bulletin Summary: Power Steering Pumps

Before replacing any power steering component, the cause of original unit failure must be determined and corrected. Installing a replacement unit without correcting the problem will lead to early failure. Always refer to the vehicle service manual for specific installation procedures and specifications. The ProTech bulletins listed below cover topics that should be done BEFORE, DURING and AFTER installation of the replacement unit.

Before Installation

- 20-0011, 0019, 0024 EVO: What is EVO? Replacement pump is missing a port.
- 20-0016 Importance of replacing older hydraulic hoses
- 20-0017 GM Medium duty ID guide
- 20-0026 Cold weather problem for some Chrysler vehicles

During Installation

- 20-0001 Use the correct tools to install the pulley
- 20-0005 Prevent a problem - replace old hoses
- 20-0006 Incorrect pulley position causes noisy Ford operation
- 20-0007, 0021 Never reuse hydraulic hose or pressure fitting O-rings
- 20-0008 Flushing must be done
- 20-0010 Relocating hoses may eliminate noisy operation
- 20-0012 Preferred flushing procedure
- 20-0013 Temporary pump plugs not removed cause reservoir leaks
- 20-0020 Hand priming pump helps avoid air bound system
- 20-0022 Ford Aerostar cooler can cause lack of assist problems
- 20-0023 Mis-routed belts may cause noisy operation
- 20-0025 Dodge R series diesel installation tip
- 20-0027 Use only correct OE approved fluid; do not use "top-off" products
- 21-0001 Toyota and Lexus vehicles no assist; do not over look reservoir internal filter
- 20-0002 Devac tool assists system bleeding
- 20-0003 In-line filter protects and prolongs components
- 20-0015 No assist: Pressure fitting O-ring may be in wrong location

After Installation

- 21-0002 Leaks caused by old defective O-rings and improper tightening of fittings
- 21-0003 Mazda and Mitsubishi seal failure or check engine light caused by improper transfer of sensor components

CARDONE Technical Service develops ProTech bulletins that are intended to help the installer avoid common installation and service errors. The information presented is derived from our own experience and product knowledge gained from product analysis and research. Applying these tips will ensure the best possible performance and service life of the replacement unit.

Please note that these bulletins are provided for your technical information only and are not authorization for repair.

For other ProTech publications, visit www.cardone.com