Cardone 20-7826

Cardone 20-7826 Remanufactured Power Steering Pump Instruction Manual

Model: 20-7826 | Brand: Cardone

1. Product Overview

The Cardone 20-7826 is a remanufactured power steering pump with reservoir, designed to meet or exceed Original Equipment (O.E.) performance standards. This unit is meticulously engineered to ensure a perfect vehicle fit and reliable, long-lasting operation.



Figure 1: Front view of the power steering pump, showing the main body and reservoir connection.



Figure 2: Side view of the power steering pump, illustrating the drive shaft and mounting points.

Key Features:

- **Perfect Vehicle Fit:** As a remanufactured Original Equipment part, this unit guarantees precise compatibility with your vehicle.
- **Enhanced Reliability:** All critical components, including cam packs and spool valves, undergo triple-testing to ensure product reliability. Units are supplied with 100% tested and calibrated pressure relief valves.
- **Leak Prevention:** Built with 100% new O-rings and premium-grade HNBR seals, which are designed to prevent leaks and resist breakdown at high temperatures.
- **Extended Life:** Shafts are surfaced to precise specifications to eliminate premature seal wear, contributing to extended pump life.
- **Computer-Tested Performance:** The final pump assembly is computer-tested to measure pressure, bypass, fluid flow, valve operation, steering effort, and noise, ensuring reliable performance.
- **Environmentally Friendly:** The remanufacturing process reduces energy and raw material consumption by 80% compared to manufacturing a new part.

2. Specifications

Attribute	Detail
Brand	Cardone
Model Number	20-7826
Manufacturer	A1 Cardone
Item Weight	7.1 pounds
Product Dimensions	10.75 x 6.5 x 7.13 inches
OEM Part Number	26002177

3. Installation and Setup

Installation of a power steering pump requires specialized tools and knowledge. It is highly recommended that installation be performed by a certified automotive technician to ensure proper function and safety.

General Installation Steps (Professional Installation Recommended):

1. **Safety First:** Ensure the vehicle is properly secured and the engine is cool. Disconnect the battery.
2. **Drain Fluid:** Drain the old power steering fluid from the reservoir and system.
3. **Remove Old Pump:** Disconnect hoses and mounting bolts, then carefully remove the old power steering pump.
4. **Install New Pump:** Mount the Cardone 20-7826 pump, ensuring all connections are secure and torqued to manufacturer specifications.
5. **Refill System:** Fill the reservoir with the correct type of power steering fluid specified by your vehicle's manufacturer.
6. **Bleed Air:** Properly bleed air from the power steering system according to vehicle-specific procedures. This is crucial for proper operation and to prevent damage.
7. **Inspect for Leaks:** After bleeding, inspect all connections for any signs of leaks.

Warning: Failure to follow proper installation and bleeding procedures can lead to premature pump failure, noise, and loss of power steering assist.

4. Operation

Once properly installed and the system is bled, the Cardone 20-7826 power steering pump will provide hydraulic pressure to assist in steering your vehicle. You should experience smooth and responsive steering, similar to original equipment performance.

- **Initial Operation:** During the first few minutes of operation after installation, slight noises may be present as any remaining air is purged from the system. These should subside quickly.
- **Fluid Level:** Regularly check the power steering fluid level in the reservoir, especially after initial installation and during routine maintenance.

5. Maintenance

Proper maintenance of your power steering system is essential for the longevity of your Cardone power steering pump and overall vehicle safety.

- **Fluid Checks:** Check the power steering fluid level regularly (e.g., every oil change or as recommended by your vehicle's manual). Ensure the fluid is at the correct level and is clean. Dark or burnt-smelling fluid indicates a need for replacement.
- **Fluid Type:** Always use the specific type of power steering fluid recommended by your vehicle's manufacturer. Using the wrong fluid can cause damage.
- **System Flushing:** Consider flushing the power steering system periodically to remove contaminants and old fluid. Consult your vehicle's service manual for recommended intervals.
- **Hose and Belt Inspection:** Inspect power steering hoses for cracks, leaks, or deterioration. Check the serpentine belt for wear and proper tension.

6. Troubleshooting

If you experience issues with your power steering system after installing the Cardone 20-7826 pump, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution

Symptom	Possible Cause	Solution
Whining/Groaning Noise	Low fluid level, air in the system, incorrect fluid type, worn belt.	Check and top off fluid. Bleed the system. Ensure correct fluid is used. Inspect and replace belt if worn.
Hard Steering	Low fluid level, air in the system, pump malfunction, restricted hose.	Check fluid and bleed system. Inspect hoses for kinks or blockages. If issues persist, professional diagnosis is needed.
Fluid Leaks	Loose connections, damaged seals/hoses, cracked reservoir.	Inspect all connections and tighten. Check hoses and seals for damage. Replace any damaged components.
Squealing Noise (especially on turns)	Loose or worn serpentine belt.	Inspect belt tension and condition. Adjust or replace as necessary.

For complex issues or if basic troubleshooting does not resolve the problem, it is advisable to seek assistance from a qualified automotive technician.

7. Warranty and Support

Cardone remanufactured products are backed by a commitment to quality and performance. For specific warranty details, including coverage period and terms, please refer to the warranty information provided with your product packaging or visit the official Cardone website.
For technical assistance, product support, or warranty claims, please contact Cardone customer service or an authorized Cardone distributor. Ensure you have your product model number (20-7826) and purchase details available when seeking support.

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