

New

HYDRAULIC POWER GEAR BOX

Building on decades of experience using reverse engineering to remanufacture steering products, CARDONE engineers have meticulously designed our CARDONE New Steering Gear Boxes to correct any original design flaws. All rotating and actuating components are properly hardened, ground and polished to ensure longevity. Each unit is computer spool valve balanced and tested at load to ensure reliability. Supplied with O.E.-grade seals, O-rings and boots, CARDONE New Steering Gear Boxes provide O.E. performance you can rely on.

- 100% computerized testing at load ensures reliable performance.
- All rotating and actuating components are properly hardened, ground and polished to ensure longevity of the components and their respective seals.
- All rack & pinion/gearbox units meet or exceed O.E. form, fit and function.
- Computerized spool valve balancing ensures exceptional feel and return ability.
- Environmentally-friendly coating provides a clean appearance and prevents rust.
- Supplied with O.E.-grade seals, O-rings and boots to provide optimal sealing performance and longevity.

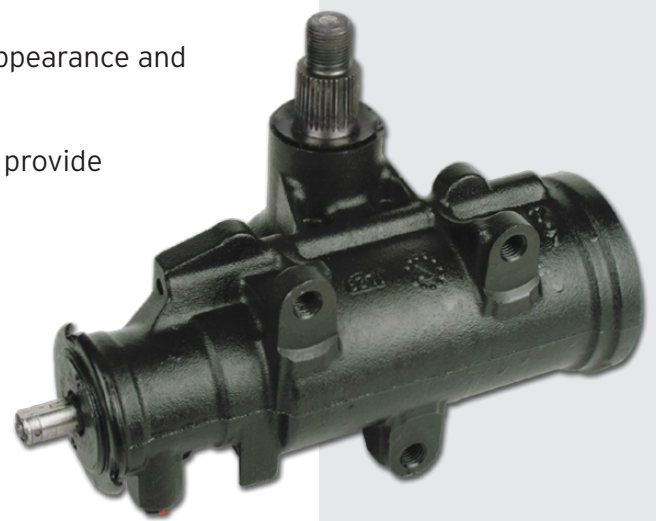
Product Description

Features and Benefits

Good Maintenance Practices

Signs of Wear and Troubleshooting

FAQs



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Tech Service: 888-280-8324

Rev Date: 031518

Good Maintenance Practices

- Use the correct O.E.-specified fluid type to top off fluid in reservoir, when needed.
- Inspect reservoir, pump, hoses and cooler (if equipped) for leaks. Leaks can lead to noise and poor performance due to the induction of air and contamination into the system.
- Inspect the power steering pump drive belt for cracks or frays. Replace if necessary.

Signs of Wear and Troubleshooting

- No power steering assist in one direction or both
- Leaks from housing seals
- Clunk or popping noise
- Excessive play in steering wheel at center before wheels start turning
- Binding or catching while turning
- Vehicle drifts or wanders while driving straight

FAQs

Should the power steering hoses be replaced?

- Hoses should be replaced if they appear brittle or if there are any kinks or leaks.

What is the difference between a fast ratio and a slow ratio gear box?

- The difference is the orientation of the teeth on the pitman shaft and power piston. Variable teeth will have a faster ratio than non-variable teeth.

How can I tell if my gear box is a standard or reverse rotation?

- In a standard rotation gear box, the input and pitman shaft rotate in the same direction. The shafts turn in opposite directions on a reverse rotation gear box.

Can I adjust my original gear box if it has a lot of play?

- Not recommended. The preload is adjusted at the time of assembly. If excessive play is present, it's due to wear of internal components. If adjustment is attempted, it could lead to binding.

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