

CARDONE[™] ProTech[®]

Supporting Today's Vehicle Technician



58-329 Cadillac Water Pump Bearing

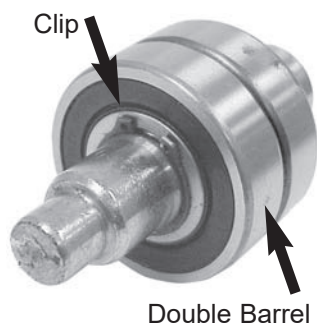
Problem

The standard aftermarket replacement bearing (1) is a double barrel design incorporating two individual ball bearings and one retainer clip. With this design, there is a greater chance for barrel flex or bearing movement. Also, the retainer clip can bend or fall off. These design problems limit bearing life and lead to unit failure.

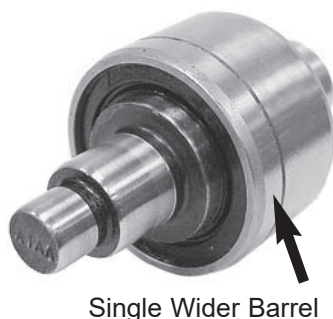
Solution

The CARDONE[™] supplied re-designed replacement bearing (2) maintains the second generation, O.E. design of a single barrel (3). However, CARDONE[™] has increased the length of the barrel, giving us more press-fit length. The advantage is that the bearing is less likely to flex, resulting in a longer lasting unit. Additionally, the CARDONE[™] replacement bearing is made of OE quality materials. This increases the strength of the barrel and life of the bearing. Through on-car tests and endurance testing, the CARDONE[™] Engineering team has confirmed that this re-designed bearing meets OE specifications.

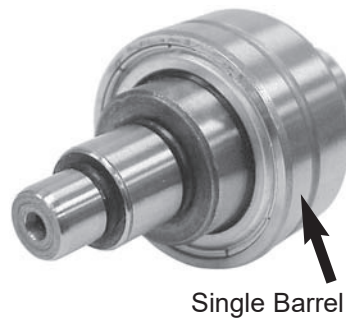
Finally, after analyzing units from both new and reman competitors, nearly all of them contained the standard aftermarket replacement bearing.



1. Aftermarket Replacement Bearing



2. CARDONE Re-designed Replacement Bearing



3. Second Generation O.E. Designed Bearing