

# CARDONE ProTech

Supporting Today's Professional Technician



## 58-329 Cadillac Water Pump Bearing

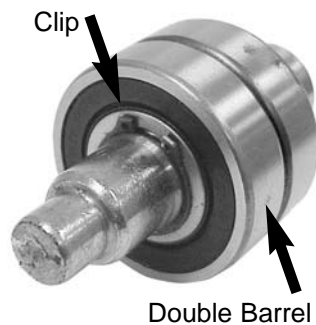
### Problem:

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.

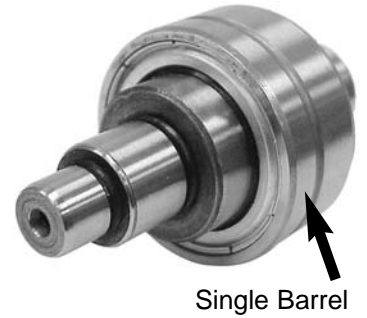
Finally, after analyzing units from both new and reman competitors, nearly all of them contained the standard aftermarket replacement bearing.



**1. Aftermarket Replacement Bearing**



**2. CARDONE Re-designed Replacement Bearing**



**3. Second Generation O.E. Designed Bearing**

For other ProTech publications, visit [www.cardone.com](http://www.cardone.com)  
CARDONE Industries, Inc. • 5501 Whitaker Ave. • Philadelphia, PA 19124-1799