



PRODUCT UPDATE



TO: ALL SIERRA CUSTOMERS AND SALES PROFESSIONALS
FROM: MIKE CRITES
DATE: November 8, 2016
RE: 18-3160-1 Product Updates

Sierra has made design improvements to the 18-3160 MerCruiser Brass Sea Water Pump. The part number will be changing to 18-3160-1 going forward. Current orders for 18-3160 will be filled as 18-3160-1 and pricing remains unchanged. Setup details for the updated part number are included with the communication in NMDA format.

The improvements as outlined below are a result of Sierra's continuing efforts to provide only "The Very Best Parts of Boating".

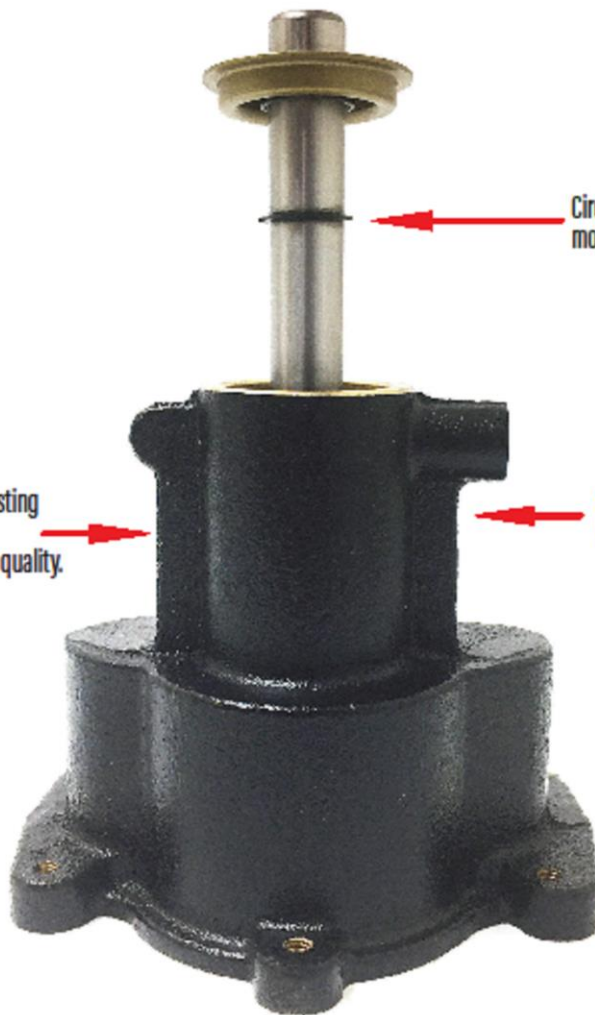
The following areas have been updated:

- Housing casting now manufactured using a Vacuum Impregnating process that prevents possible leakage from the brass casting.
- All housings after casting and machining are 100% pressure and vacuum tested for leakage. Prior to shipping from our Litchfield facility a random inspection sample, of *not less than 10%* of the shipment, is again tested for leaks and visually inspected. Any parts that fail to pass the random testing triggers a 100% inspection of all parts on that shipment.
- A circlip has been added to the pulley shaft to help prevent movement of the shaft if the pulley is not installed with the proper installation tool. Movement of the shaft during improper pulley installation has shown to result in water leakage at the seal and possible diminished cooling capacity.
- The pump now includes a pulley installation tool and installation guide.
 - **NOTE:** To avoid possibly voiding the warranty, the pulley should only be installed utilizing the now included tool and following the installation guide instructions. A shop press should never be used to install the pulley even if the pump shaft is supported to avoid possible shaft movement and seal damage.
- Pulley installation tool and installation guide are now included with the part.

Backorders will begin shipping immediately and will be filled starting with the oldest orders and proceeding forward. Because of the high demand for this product you may experience periodic shortages of supply during the backorder fill process. Every effort is being made to fill backorders and begin accepting new incoming orders as quickly as possible. Your patience in this matter is greatly appreciated.

Dealers will be notified of these upgrades through a similar bulletin in the next two weeks to allow backorder shipments to arrive and be placed into inventory.

100% leak inspected after casting
and random testing prior to
shipping ensures consistent quality.



Circlip helps to prevent shaft
movement during pulley installation

Vacuum impregnating casting
process prevents leaks.



Pulley installation kit ensures
proper fit and prevents damage to
shaft seal.