## DanyD

BRP Service Dept - N/A



Posts: 613 Registered: 10-19-2011 Location: NA

## Re: Water pump mechanical seal investigation OVER - 420220413 - On 2012 units[New]

2 weeks ago

At this point the investigation is over. The conclusion is that some MY12 units were produced with water pump mechanical seals installed slightly crooked in the clutch cover. This caused the seal to develop a leak on the side of the seal that had less pressure.

Options •

MY13 engines have been produced with improved installation processes.

Replacement parts should be installed using the revised procedure of the 2013 shop manual (applicable for all MYs Spyders) to improve initial start up sealing and avoid dry start up.

Refer to this TST which illustrates the correct installation procedure. - Roadster Water Pump Mechanical Shaft/Seal Installation Revision

Dany D Roadster Product Specialist



Language English V Show Properties

**Summary:** Follow these improved installation steps to to improve initial start up sealing and avoid dry start up.

Type: General

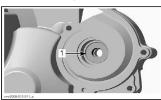
TST Detail:

Apply specified product on sealing lip of oil seal.
 REQUIRED PRODUCT ON OIL SEAL
 DOW CORNING 111 (P/N 413 707 000)

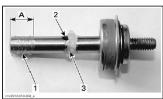
2. Install NEW oil seal.
REQUIRED TOOL.
OIL SEAL PUSHER (PN 529 035 757)
HANDLE (PN 420 977 559)
OTE: New ruse oil in the press fit area of the oil seal.
NOTE: Sealing lip must face towards the inside of clutch cover.



1. Oil seal 2. Installe



Lubricate water pump shaft end and apply a bead of lubricating grease according to following illustration.
 REQUIRED PRODUCT ON WATER PUMP SHAFT
 DOW CORNING 111 (PM 413 707 000)



- Carefully press-in water pump shaft assembly into clutch cover.
   REQUIRED TOOL
   SEAL PUSHER (P/N 529 035 766)



- Clutch cover
   Water pump shaft assembly
   Rotary seal installer
   NOTICE Never use a hammer for water pump shaft assembly installation. Use press only.
- 5. Apply coolant into gap of rotary seal to pre-lubricate ceramic sealing surface.





- Reinstall water pump impeller and check if water pump turns smooth after installation.
   Properly reinstall remaining parts. Refer to appropriate shop manual subsections.