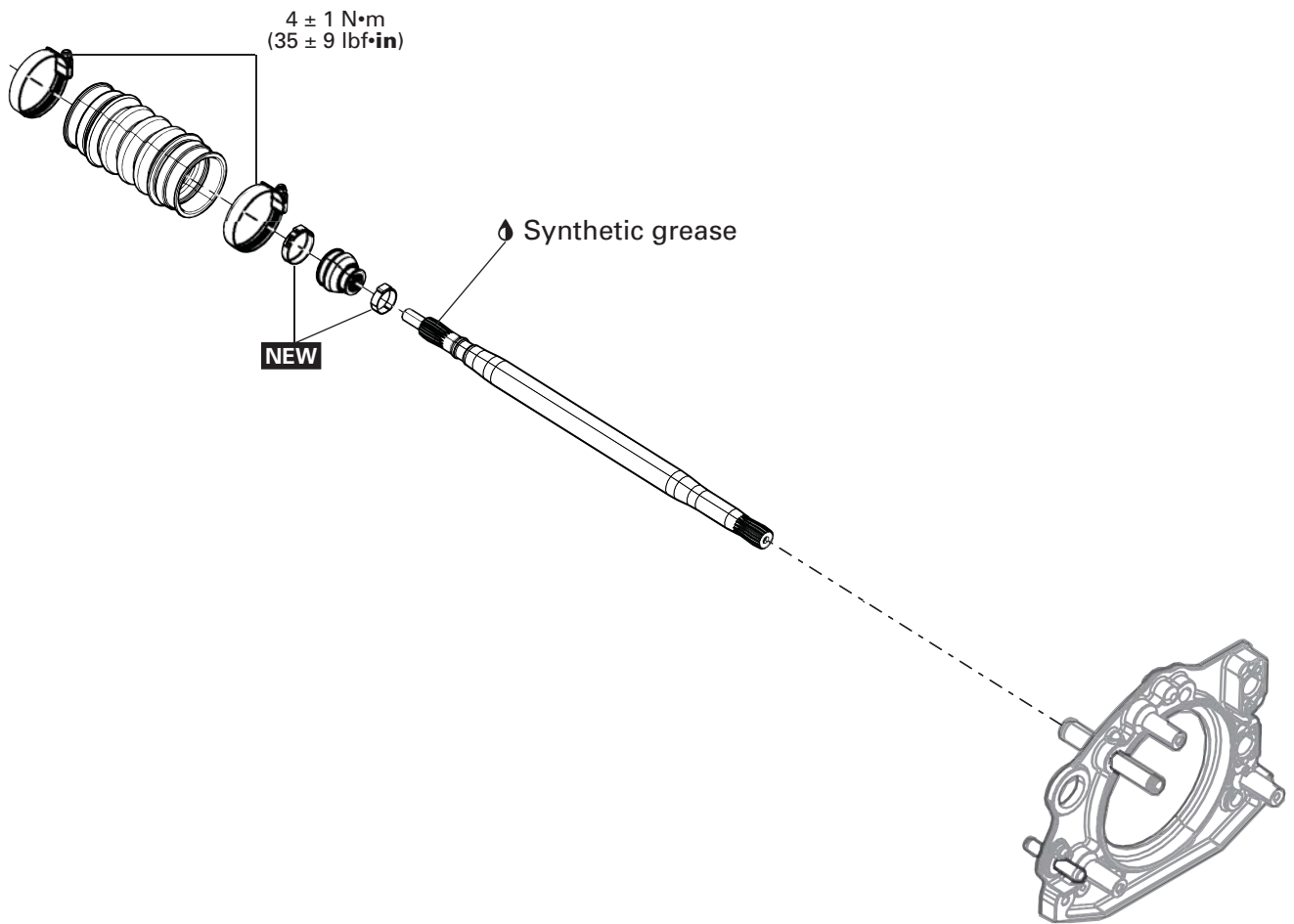


DRIVE SHAFT



NEW = Component must be replaced when removed.

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PROCEDURES

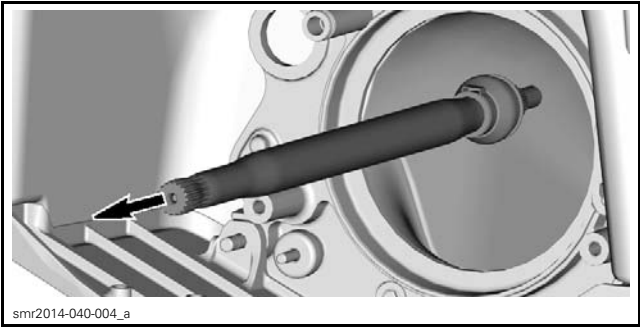
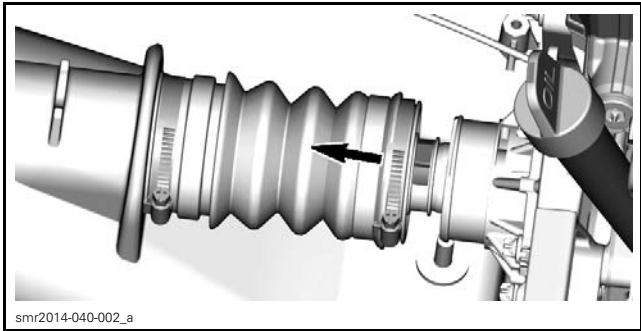
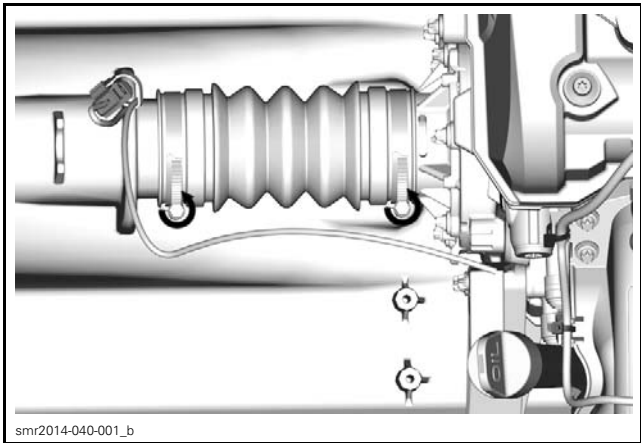
DRIVE SHAFT

Drive Shaft Access

- 1. Remove central body. Refer to *BODY*.
- 2. Remove jet pump. Refer to *JET PUMP*.
- 3. Remove muffler. Refer to *EXHAUST SYSTEM*.

Drive Shaft Removal

Procedures



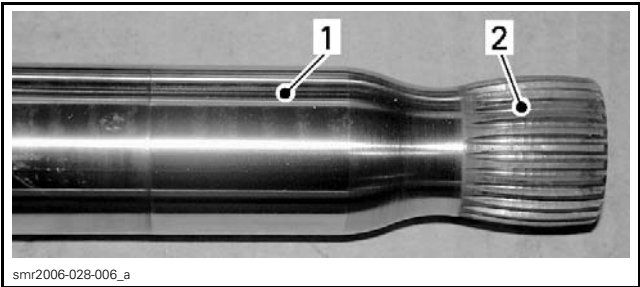
- 1. Remove drive shaft.

Drive Shaft Inspection

Drive Shaft

Inspect condition of drive shaft splines. If splines are damaged, replace drive shaft.

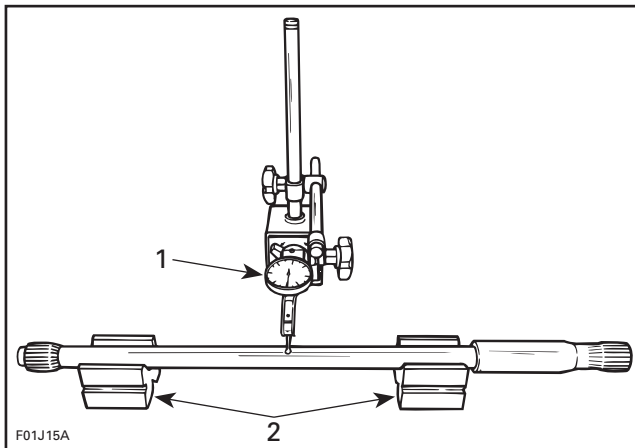
With your finger nail, feel machined surface of drive shaft. If any irregular surface is found, re-new drive shaft.



- TYPICAL*
- 1. *Surface condition*
 - 2. *Splines condition*

Excessive deflection could cause vibration and damage to drive shaft splines, impeller or floating ring.

Place drive shaft on V-blocks and set-up a dial gauge in center of shaft. Slowly rotate shaft; difference between highest and lowest dial gauge reading is deflection. Refer to the following illustration.



MEASURING DRIVE SHAFT DEFLECTION

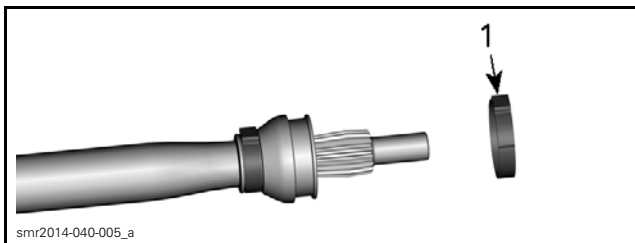
1. Dial gauge
2. V-blocks

Maximum permissible deflection is 0.5 mm (.020 in).

Drive Shaft Installation

Reverse removal procedure.

Install a **NEW** Oetiker clamp.



DRIVE SHAFT - PTO SIDE

1. Oetiker clamp

Test watercraft then ensure there is:

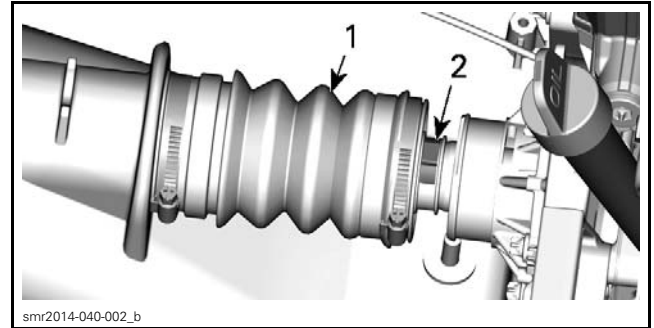
- No water intrusion by the thru-hull fitting area (outer drive shaft boot).

DRIVE SHAFT BOOTS

Drive Shaft Boot Inspection

Remove central body. Refer to *BODY*.

Inspect the condition of outer drive shaft boot. If there is any damage or evidence of wear, replace it.

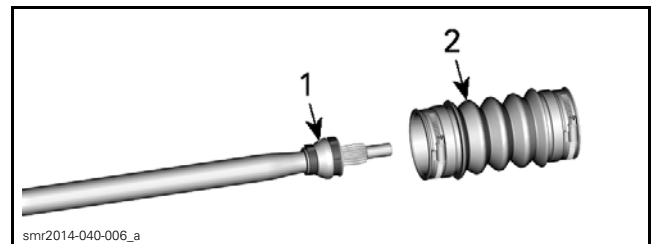


DRIVE SHAFT BOOTS

1. Outer drive shaft boot
2. Inner drive shaft boot

Drive Shaft Boot Removal

Remove drive shaft. Refer to *DRIVE SHAFT*.



DRIVE SHAFT BOOTS - DISASSEMBLED

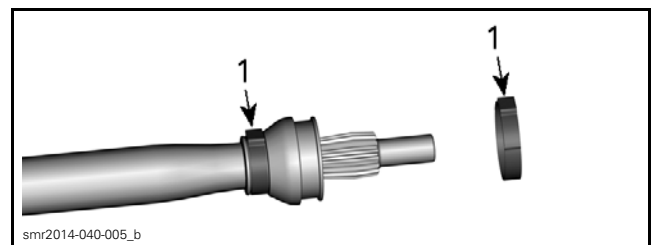
1. Inner drive shaft boot
2. Outer drive shaft boot

Inspect the condition of inner boot. If there is any damage or evidence of wear, replace it.

Drive Shaft Boot Installation

The installation is the reverse of the removal procedure.

Install **NEW** Oetiker clamps on drive shaft inner boot.



DRIVE SHAFT - PTO SIDE

1. Oetiker clamps