## Technical Background

Incorrect orientation of the sealing lip during sealing flange replacement may lead to an oil leak and a repeat repair. The following information is provided to help ensure the sealing lip is orientated in the correct position before installing the sealing flange on the crankshaft.

### Production Solution

Information only.
Service

Note:
Following these instructions will ensure that the sealing flange will not leak after or is not damaged during installation.

Tip:
To properly install the sealing flange, the lip must be correctly oriented. To do this you must use Sealing Flange Guide Sleeve T20097 Figure 1.
Install T20097 into the **front** (Figure 2.) of the seal and let sit for 5 minutes allowing the lip to take shape Figure 3.

![Figure 2. Front of sealing flange seal](image-url)
Figure 3. T20097 installed into front of sealing flange seal
After the 5 minutes have passed, remove T20097 from the sealing flange seal and reinstall it to the back of the sealing flange seal Figure 4.

Figure 4. T20097 installed into the rear of the sealing flange seal

Once T20097 has been inserted into the back of the rear the sealing flange seal (Figure 4.) the T20097 and sealing flange seal can be installed onto the engine/crankshaft per the repair manual.
Note:
A properly oriented sealing flange seal lip will be facing toward the engine block as illustrated in figure 5.

Warranty
Information only.

Required Parts and Tools
No special parts required.

<table>
<thead>
<tr>
<th>Tool Description</th>
<th>Tool No:</th>
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<tr>
<td>Sealing Flange Guide Sleeve</td>
<td>T20097</td>
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Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

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<td>7/13/17</td>
<td>V131702</td>
<td>Updated to include model year 2017 applicability and additional engine codes.</td>
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<td>2044350/1</td>
<td>6/31/16</td>
<td>V131601</td>
<td>Original publication.</td>
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