Crankshaft Front Seal - Remove

SMCS - 1160-011

Removal Procedure

Table 1

<table>
<thead>
<tr>
<th>Tool</th>
<th>Part Number</th>
<th>Part Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1U-7600</td>
<td>Slide Hammer Puller</td>
<td>1</td>
</tr>
<tr>
<td>B (1)</td>
<td>5P-7314</td>
<td>Distorter Ring</td>
<td>1</td>
</tr>
<tr>
<td>C (1)</td>
<td>5P-7312</td>
<td>Seal Distorter</td>
<td>1</td>
</tr>
</tbody>
</table>

(1) Part of the 5P-7318 Wear Sleeve Distorter Group

Start By:

A. Remove the vibration damper and the pulley. Refer to Disassembly and Assembly, "Vibration Damper and Pulley - Remove and Install".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: The front seal and the wear sleeve must be replaced at the same time. Once the seal and the wear sleeve are separated, these components can not be used again. Refer to Special Instruction, SMHS8508, "Special Handling Information and Installation Instructions for Crankshaft Seal Groups That Have Hydrodynamic Grooves In the Sealing Lip" before the seal is serviced.
1. Use a punch or Tooling (A) to puncture a hole in seal (1). Use Tooling (A) to remove seal (1).

Illustration 1  g00829187
(1) Seal
(2) Wear sleeve

Illustration 2  g00582156
Typical example

1.  Use a punch or Tooling (A) to puncture a hole in seal (1). Use Tooling (A) to remove seal (1).
2. Place Tooling (B) in position. The correct position is shown in Illustration 141.

3. Install Tooling (C) between Tooling (B) and the wear sleeve. Turn Tooling (C), until the edge of the tool makes a flat crease in the wear sleeve. Repeat this procedure until there are enough creases in the wear sleeve in order to allow the wear sleeve to be slipped off the end of the crankshaft.

4. Remove Tooling (B) and the wear sleeve by hand.