Flywheel - Inspect

SMCS - 1156-040

Face Runout (Axial Eccentricity) of the Flywheel

Table 1

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8T-5096</td>
<td>Dial Indicator</td>
<td>1</td>
</tr>
</tbody>
</table>

View Image
Checking face runout of the flywheel

1. Refer to Illustration 78 and install the dial indicator. Always put a force on the crankshaft in the same direction before the dial indicator is read. This will remove any crankshaft end clearance.

2. Set the dial indicator to read 0.0 mm (0.00 inch).

3. Turn the flywheel at intervals of 90 degrees and read the dial indicator.

4. Take the measurements at all four points. The difference between the lower measurements and the higher measurements that are performed at all four points must not be more than 0.15 mm (0.006 inch), which is the maximum permissible face runout (axial eccentricity) of the flywheel.

**Bore Runout (Radial Eccentricity) of the Flywheel**

**Table 2**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8T-5096</td>
<td>Dial Indicator</td>
<td>1</td>
</tr>
</tbody>
</table>

View Image

1. Install 7H-1942 Dial Indicator (3). Make an adjustment of 7H-1940 Universal Attachment (4) so the dial indicator makes contact on the flywheel.

2. Set the dial indicator to read 0.0 mm (0.00 inch).

3. Turn the flywheel at intervals of 90 degrees and read the dial indicator.

4. Take the measurements at all four points. The difference between the lower measurements and the higher measurements that are performed at all four points must not be more than the following values for the maximum permissible face runout (radial eccentricity) of the flywheel.

- Flywheel without brakesaver ... 0.15 mm (0.006 inch)
- Flywheel with brakesaver ... 0.25 mm (0.010 inch)
5. To find the runout (eccentricity) of the pilot bearing bore, use the preceding procedure.

6. The runout (eccentricity) of the bore for the pilot bearing in the flywheel must not exceed the following values:

   Flywheel without brakesaver ... 0.13 mm (0.005 inch)
   Flywheel with brakesaver ... 0.25 mm (0.010 inch)