

## CONNECTING ROD CLEARANCE INSPECTION

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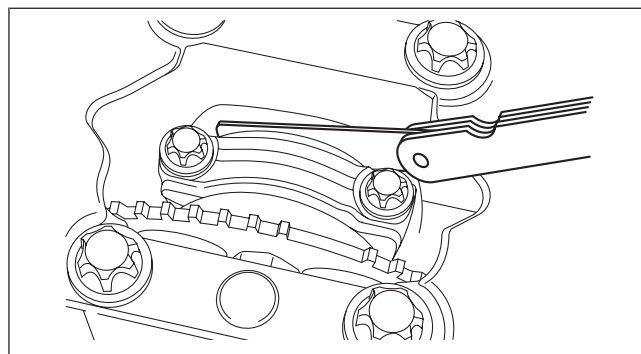
1. Measure the side clearance at the large end of the connecting rod using a feeler gauge.
  - If it exceeds the maximum specification, replace the connecting rod or crankshaft.

**Standard side clearance at the large end of connecting rod**

**0.14—0.36 mm {0.006—0.014 in}**

**Maximum side clearance at the large end of connecting rod**

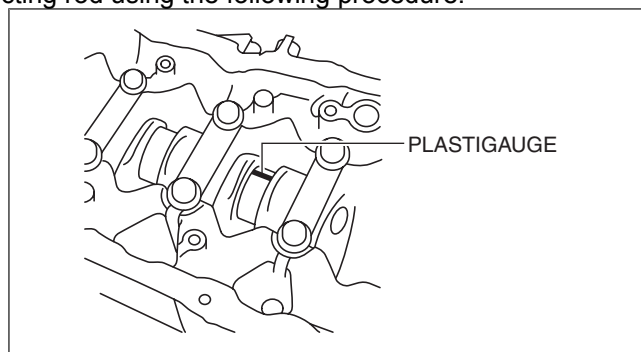
**0.465 mm {0.0183 in}**



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2. Measure the oil clearance at the large end of the connecting rod using the following procedure:

- (1) Cut the plastigauge as wide as the connecting rod bearing width, place it parallel to the crankshaft, keeping away from the oil hole.
- (2) Install the lower connecting rod bearing and connecting rod cap. (See CYLINDER BLOCK ASSEMBLY (I).)
- (3) Remove the connecting rod cap. (See CYLINDER BLOCK DISASSEMBLY (II).)
- (4) Measure the oil clearance at the large end of the connecting rod.
  - If it exceeds the maximum specification, replace the bearing or grind the crank pin and use oversize bearings so that the specified clearance is obtained.



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**Standard bearing oil clearance at the large end of the connecting rod**

**0.026—0.052 mm {0.0011—0.0020 in}**

**Maximum bearing oil clearance at the large end of the connecting rod**

**0.10 mm {0.0039 in}**

**Connecting rod bearing size [SKYACTIV-G 2.0]**

**STD: 1.503—1.520 mm {0.05918—0.05984 in}**

**OS 0.25: 1.628—1.631 mm {0.06410—0.06421 in}**

**OS 0.50: 1.753—1.756 mm {0.06902—0.06913 in}**

**Connecting rod bearing size [SKYACTIV-G 2.5]**

**STD: 1.502—1.519 mm {0.05914—0.05980 in}**

**OS 0.25: 1.628—1.631 mm {0.06410—0.06421 in}**

**OS 0.50: 1.753—1.756 mm {0.06902—0.06913 in}**