CONNECTING ROD CLEARANCE INSPECTION

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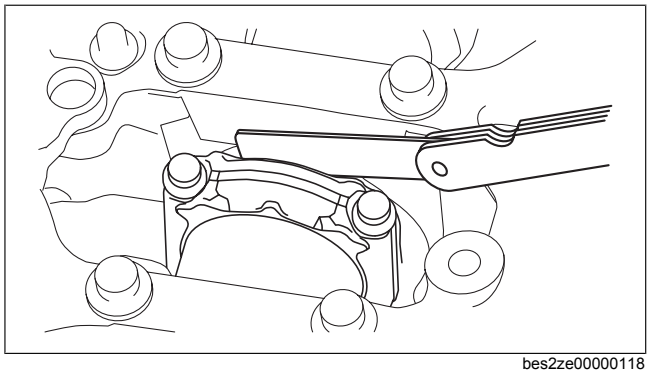
1. Measure the side clearance at the large end of the connecting rod using a feeler gauge.
   - If it exceeds the maximum specification, replace the connecting rod or crankshaft.



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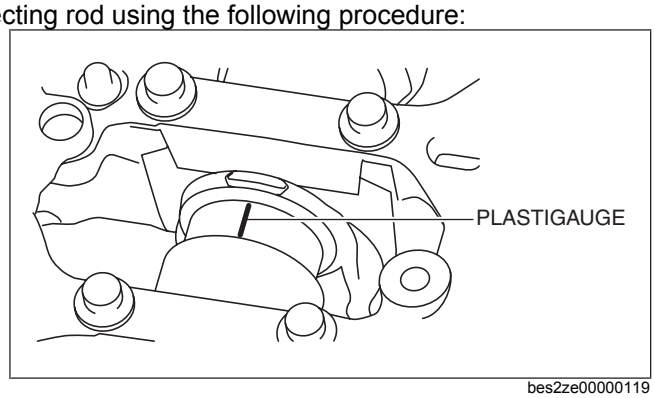
Standard side clearance at the large end of connecting rod
0.14—0.36 mm {0.006—0.014 in}

Maximum side clearance at the large end of connecting rod
0.512 mm {0.0202 in}

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
0.052 mm {0.0020 in}

Connecting rod bearing size
STD: 1.498—1.516 mm {0.05898—0.05968 in}
OS 0.25: 1.621—1.628 mm {0.06382—0.06409 in}
OS 0.50: 1.746—1.753 mm {0.06875—0.06901 in}