

# CONNECTING ROD INSPECTION

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## Caution

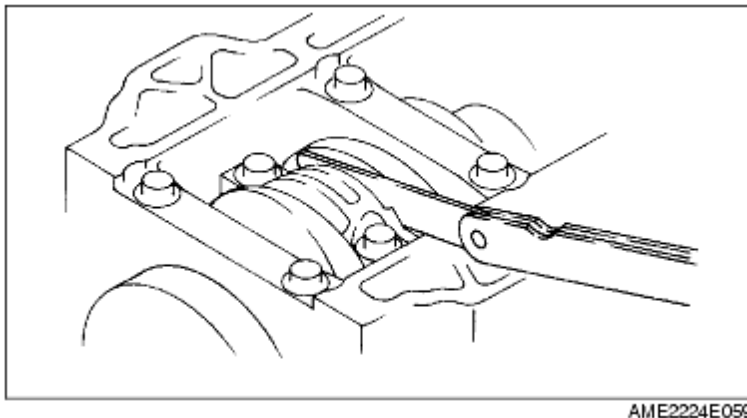
- The piston, piston ring and connecting rod cannot be disassembled.
- When replacing the piston, piston pin, piston ring and connecting rod, replace them together as a single unit.

1. Install the connecting rod cap. (See [Connecting Rod Cap Assembly Note](#).)

2. Measure the connecting rod large end side clearance.

- If the connecting rod large end side clearance exceeds the maximum clearance, replace the piston, piston pin, piston ring and connecting rod as a single unit.

Standard clearance:  
0.14-0.36 mm {0.0056-0.0141 in}  
Maximum clearance:  
0.435 mm {0.0172 in}



3. Remove the connecting rod cap.

4. Position plastigage atop the journals in the axial direction.

5. Install the connecting rod bearing and connecting rod cap. (See [Connecting Rod Cap Assembly Note](#).)

6. Remove the connecting rod cap.

7. Measure the connecting rod oil clearance.

- If not as specified, replace the connecting rod bearing or grind the crank pin and use oversize bearings so that the specified clearance is obtained.

Standard clearance:  
0.026-0.052 mm {0.0011-0.0020 in}  
Maximum clearance:  
0.1 mm {0.0039 in}

mm {in}

Bearing size	Color	Bearing thickness
Standard	Green	1.496-1.502 {0.0589-0.0591}
0.50 {0.02} oversize		1.748-1.754 {0.0688-0.0690}
0.25 {0.01} oversize		1.623-1.629 {0.0639-0.0641}

