A feeler gauge (also known as a thickness gauge) is an accurately manufactured strip of metal that is used to determine the gap or clearance between two components. Use a feeler gauge to check the following.

Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

Meets ASE task: **(**A0-B-5) Demonstrate proper use of precision measuring tools (e.g., micrometer, dial-indicator, dial-caliper).

**Feeler Gauge**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**[ ]  1.** Piston ring end gap = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Specification = \_\_\_\_\_\_\_\_\_\_\_ (normally 0.004 in. per inch of bore)

 **OK [ ]  NOT OK [ ]**

**[ ]  2.** Piston ring side clearance = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Specification = \_\_\_\_\_\_\_\_\_\_\_ (normally 0.001 to 0.003 in.)

 **OK [ ]  NOT OK [ ]**

**[ ]  3.** Piston-to-cylinder wall clearance = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Specification = \_\_\_\_\_\_\_\_\_\_\_ (normally 0.001 to 0.003 in.)

 **OK [ ]  NOT OK [ ]**

**[ ]  4.** Connecting rod side clearance = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



 Specification = \_\_\_\_\_\_\_\_\_\_\_

 **OK [ ]  NOT OK [ ]**