A dial caliper is usually used to measure the outside diameter or length of a component such as a piston diameter or crankshaft and camshaft bearing journal diameter. Use a vernier dial caliper to measure the following items.

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).

**Dial Caliper**

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

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

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

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

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

Page 17

**1.** Pushrod diameter = \_\_\_\_\_\_\_



**2.** Intake valve stem diameter = \_\_\_\_\_\_\_

**3.** Exhaust valve stem diameter = \_\_\_\_\_\_

**4.** Camshaft bearing diameter = \_\_\_\_\_\_\_

**5.** Piston diameter = \_\_\_\_\_\_

Check the factory specifications for exact location on the piston to measure the

diameter.

Location = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6.** Crankshaft main bearing journal diameter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7.** Crankshaft rod bearing journal diameter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_