

Valve Guide Specifications and Measurement

Meets ASE Task: A1 – B-9 – P-3

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

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

1. Specification for valve guide bore diameter: _____
Specification for maximum valve guide wear: _____

2. Use a small hole (split-ball) gauge and a 0-1" micrometer to measure the valve guide at three locations.

Top of the guide: _____

Middle of the guide: _____

Bottom of the guide: _____

OK ____ **NOT OK** ____

3. If the valve guides are worn beyond factory limits, select the replacement type.

____ ream and install oversize (OS) valves

____ thin wall bronze

____ cast iron

____ powdered metal (PM)

____ other (describe): _____

4. What is the necessary action? _____

