

Compression Testing

Meets ASE Task: A8 – A-10 – P-1

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

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

- 1. Remove all spark plugs and disable the ignition system to avoid possible ignition coil damage.
- 2. Block open the throttle (Refer to manufacturer’s procedures if equipped with ETC).
- 3. Crank the engine at least 4 “puffs” (compression strokes) while observing the gauge.

NOTE: For accurate test results, the engine should be at normal operating temperature.

RESULTS: 1st puff / final reading

1. _____ / _____

2. _____ / _____

3. _____ / _____

4. _____ / _____

1st puff / final reading

5. _____ / _____

6. _____ / _____

7. _____ / _____

8. _____ / _____

NOTE: The 1st "puff" should be more than one-half of the pressure of the final puff. If the 1st puff is low, worn piston rings are likely – repeat the test.

- 4. Reinstall all spark plugs except one. Perform a running compression test at idle and at 2000 RPM for each cylinder.

Idle

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

2000 RPM

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

- 5. Based on the test results, what is the necessary action? _____
