

Primary Ignition Inspection and Testing

Meets ASE Task: (A8-C-2) P-1 Inspect, test, and/or replace ignition control module, powertrain/engine control module; reprogram as necessary.

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 1. Check service information and determine what type of ignition system is used on this vehicle?

- _____ Distributor ignition (DI)
 _____ Waste-spark (EI)
 _____ Coil-on-plug
 _____ Other (describe) _____



_____ 2. Check service information and determine what type of primary circuit switching device is used on this system.

- _____ Pickup coil (pulse generator) Used on most distributor-type ignition systems.
 _____ Hall-effect sensor
 _____ Magnetic sensor
 _____ Optical sensor
 _____ Other (describe) _____

_____ 3. Check service information and determine what color wires are used on the switching device?
 _____, _____, _____, _____

_____ 4. The primary ignition switching device signal goes to the:

- _____ Ignition control module (ICM)
 _____ Computer (PCM)
 _____ Other (describe) _____

_____ 5. Using the service information, what are the steps to diagnosis a no-spark condition?

_____ 6. Could a fault in the primary ignition sensor cause a no-spark condition?

Yes _____ No _____

_____ 7. Based on inspection and tests, what is the necessary action? _____