

## ANSWER KEY TO CHALLENGE SHEET

### IGNITION SYSTEM CHALLENGE 4

**Customer's Concern:** I'm getting terrible gas mileage.

**Customer Vehicle:** Honda Civic

#### **Possible Causes of This Challenge:**

1. Leak in fuel system lines.
2. O<sub>2</sub> sensor failed.
3. Leaking fuel injectors.
4. Air management system not working.

#### **Safety First Practices to Follow:**

1. Use appropriate fuel recovery system to empty fuel tank before removing tank.
2. Connect vehicle exhaust system to a vent hose in a closed shop.
3. To prevent electrical shock, do not handle ignition components while engine is running.
4. Be familiar with manufacturer's warnings of high pressure fluid.

#### **Tools and Equipment Required:**

1. Digital multimeter.
2. PCV system tester.
3. Appropriate scanner or test equipment.
4. Timing light.
5. Hand-held vacuum pump and gauge.