

## IGNITION SYSTEM CHALLENGE 3

**NATEF Standard(s) for Engine Performance:**

**C2** Diagnose ignition system related problems such as no-starting, hard starting, engine misfire, poor driveability, spark knock, power loss, poor mileage, and emission concerns on vehicles with distributor ignition (DI) systems; determine necessary action.

**Directions:** Read the challenge below and then list (1) Possible Causes, (2) Safety First Practices, and (3) Tools and Equipment Required if a technician were to perform a Quick ✓ Check.

<b>CUSTOMER'S CONCERN</b>
My car just doesn't feel like it has any power when I am driving up hills. <b>Customer Vehicle:</b> Mercury Grand Marquis.

<b>Possible Causes of This Challenge:</b>
1. _____
2. _____
3. _____
4. _____
5. _____

<b>Safety First Practices to Follow to Quick ✓ Check This Challenge:</b>
1. _____
2. _____
3. _____
4. _____

<b>Tools and Equipment Required to Quick ✓ Check This Challenge:</b>
1. _____
2. _____
3. _____
4. _____
5. _____