

# LIGHTING SYSTEMS CHALLENGE 3

**NATEF Standard(s) for Electrical/Electronic Systems:**

**F1** Inspect and test gauges and gauge sending units for cause of intermittent, high, low, or no gauge readings; 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 gas gauge is dead. Even after I fill the gas tank, it still reads empty.<br><b>Customer Vehicle:</b> Toyota Highlander. |

| <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. _____   |