

## ANSWER KEY TO CHALLENGE SHEET

### LIGHTING SYSTEMS CHALLENGE 1

**Customer's Concern:** I put in new headlight bulbs just a few days ago, but the lights are still very dim.

**Customer Vehicle:** Dodge Grand Caravan.

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

1. Excessive resistance in headlight feed circuit.
2. Excessive resistance in headlight ground circuit.
3. Excessive resistance in body ground circuit.

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

1. Wear safety glasses at all times.
2. Use caution when handling halogen lamps; do not touch glass part.

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

1. Digital multimeter.