

## ANSWER KEY TO CHALLENGE SHEET

### A/C SYSTEM CHALLENGE

**Customer's Concern:** I had a compressor replaced last week at your shop. The A/C worked fine for a few days, but now it isn't cooling sufficiently.

**Customer Vehicle:** Ford Escape.

#### Possible Causes of This Challenge:

1. Low refrigerant level due to leaking fittings, O-rings, or gaskets.
2. Clogged orifice tube due to compressor debris.
3. Blocked receiver/drier due to compressor debris.
4. Improper belt tension.

#### Safety First Practices to Follow:

1. Wear safety goggles when working with refrigerant.
2. Avoid getting refrigerant in eyes or on skin; it can cause frostbite.
3. Follow all safety rules when using hand tools.

#### Tools and Equipment Required:

1. Hand tools.
2. Refrigerant leak detector.
3. Refrigerant recovery machine.