WORKSHEET 2-10
Heater Control Relay

Worksheet Objectives

In this worksheet you will do the following:

- Measure the resistance through various parts of the heater control relay.
- Apply your resistance readings to diagram how the relay is wired.

Tools and Equipment

For this exercise you need the following:

- Technician's Handbook
- Electrical simulator
- Digital multimeter (DMM)

Section 1: Relay Resistance Testing

1. Obtain the heater control relay (#1803) from your electrical simulator kit. Use the DMM to make the following resistance measurements based on the labeled diagram below:

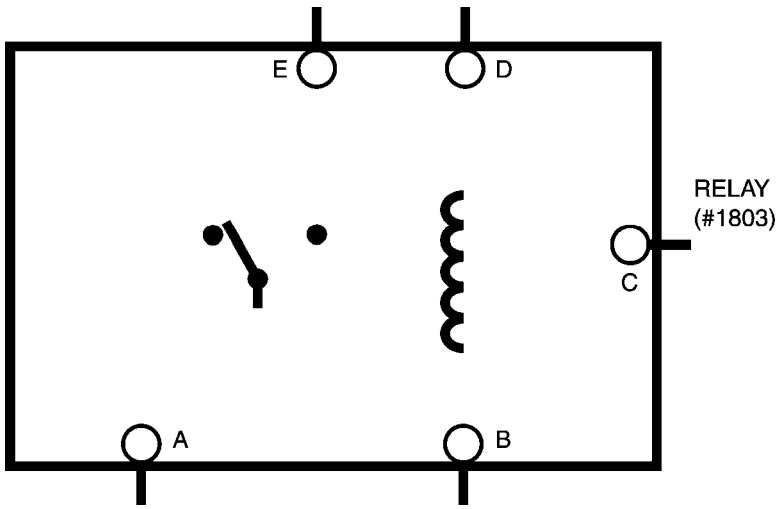


Fig. 2W10-2
TL623f001-2W10

Note - OL displayed on the meter indicates an open circuit. Values close to 0 Ω indicate a closed circuit (continuity). Any other values indicate circuit resistance.

A - B _____ Ω A - C _____ Ω A - D _____ Ω

A - E _____ Ω B - C _____ Ω B - D _____ Ω

B - E _____ Ω C - D _____ Ω C - E _____ Ω

D - E _____ Ω

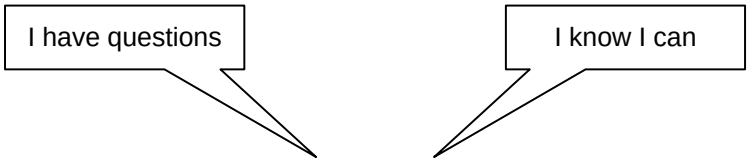
2. Use your measurements to determine how the relay is wired. Indicate the wiring connections by drawing them on the diagram of the relay above.

Stop here after completing all the related activities and answering the questions. Inform your instructor that you are ready to review this section.

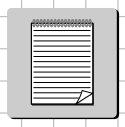
Heater Control Relay

Name: _____ Date: _____

Review this sheet as you are doing the Heater Control Relay worksheet. Check each category after viewing the instructor's presentation and completing the worksheet. Ask the instructor if you have questions regarding the topics provided below. Additional space is provided under topic for you to list any other concerns that you would like you instructor to address. The comments section is provided for your personal comments, information, questions, etc.



Topic			Comment
Measure Resistance			
Determine How Relay is Wired			



Notes