Fleet Multi-Temp Quiz 7

Name:_____ Number Correct:____/10

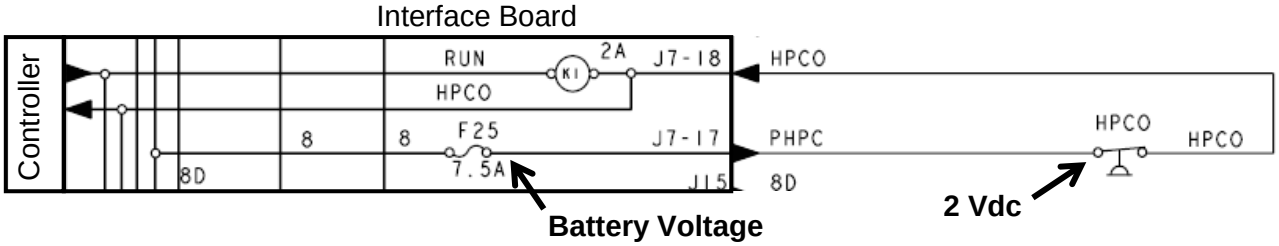
Multiple Choice
Identify the choice that best completes the statement or answers the question.
This quiz should take approximately 15 minutes to complete.

1. How are relay contacts normally shown on Thermo King electrical schematics?
    a. Normally closed contacts are closed and normally open contacts are open.
    b. Contacts are shown with the control coil energized.
    c. They are drawn next to the relay coil and appear as a single component.
    d. Normally open contacts are always near the top of the drawing and normally closed contacts are drawn near the bottom.

2. Which diagram is most useful if you want to quickly identify the wire number at a component and how a circuit functions?
    a. Wiring
    b. Schematic
    c. Simplified
    d. Circuit

3. Which diagram should you use to find physical test points, plugs and components locations?
    a. Schematic
    b. Wiring Diagram
    c. Both
    d. Neither

4. A TK unit comes into your shop with a complaint “Won’t start.” After verifying the problem, you check available voltage at the HPCO and get 2 Vdc. You next measure available voltage after the F25 fuse and get battery voltage. What is your next step?



    a. Perform a volt drop test from connector J7, pin 17 to HPCO.
    b. Measure available voltage at connector J7, pin 18.
    c. Do a resistance test between connector J7, pin 17 and HPCO.
    d. Replace the defective interface board (run relay).

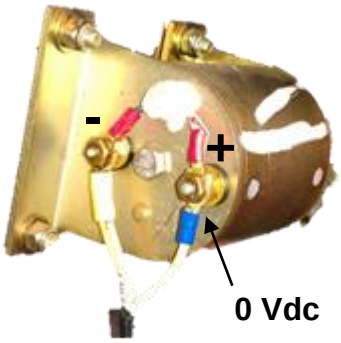
5. You are diagnosing a “Won’t go into high speed” complaint and you find the fuse for the throttle solenoid is blown. What is the next recommended step?
    a. Replace the defective fuse and send the unit out.
    b. Measure the resistance of the throttle solenoid.
    c. Volt drop the throttle solenoid circuit.
    d. Replace the fuse and measure available voltage after the fuse.

6. Which of the following conditions can be identified with the volt drop test?
    a. High resistance in a circuit or connection.
    b. Defective ground circuit or connection.
    c. Normal resistance, indicating a good circuit.
    d. All of the above.

7. If a component does not work at all, what is the recommended electrical test?
    a. Current test.
    b. Resistance.
    c. Available voltage.
    d. Volt drop.

8. The first step in electrical diagnosis is to:
    a. Decide what test to perform.
    b. Gather information.
    c. Evaluate.
    d. Perform volt drop tests.

9. The throttle solenoid does not work at all. You check available voltage at the solenoid and get a reading of 0 Vdc. What is your next action?
    a. Measure available voltage towards ground.
    b. Measure available voltage towards power.
    c. Perform a volt drop test on the throttle solenoid.
    d. Replace the open fuse in the throttle solenoid circuit.



10. A circuit that is completed in a way that is different from the way it was designed is considered:
    a. An open.
    b. A redesign.
    c. A short circuit.
    d. Complete.