**CDX Distance Learning**

**Exercise #19**

**DIN Wiring Diagram Diagnostics 2**

**Student Name:** Click or tap here to enter text.

Understanding the wiring diagram is key to any electrical system diagnosis. Use the figure below to answer the following questions.

A screenshot of a cell phone

Description automatically generated

1. What pin should the technician start with when diagnosing a signal failure DTC on an evaporator temperature sensor?
   1. T22f/5
   2. T22f/6
   3. T22f/3
   4. J36
2. When the HVAC module calls for warm air in the cabin, which pin will it provide a signal to so that the temperature motor will provide the necessary movement?
   1. T26e/17
   2. T26e/16
   3. T26e/18
   4. T26e/22
3. Which component on the wiring diagram is G151?
   1. Ambient temperature sensor
   2. Intake temperature sensor
   3. Evaporator temperature sensor
   4. Temperature motor
4. What is the color of the fresh air control circuit on the V425 motor?
   1. Gn/ws
   2. Ws/rt
   3. Rs/gn
   4. Gn/bl
5. Which pin on the V425 component is feedback for the HVAC module?
   1. Pin T26e/24
   2. Pin T26e/23
   3. Pin T26e/22
   4. Pin T26e/18
6. When looking for issues with the ambient temperature connector, which pin should the technician be looking to evaluate?
   1. T7e/6
   2. G425
   3. T2a
   4. T22f/3
7. What connector is located at E-48 on the wiring diagram for this HVAC system?
   1. T22f/3
   2. T2ab/1
   3. T2a/2
   4. T2a/1
8. When diagnosing a recirculation/fresh motor position signal fault, the technician should look at which wire of the recirculation/fresh air component?
   1. Rt/ge
   2. Or/bl
   3. Gn/bl
   4. Gn/ws
9. What component is located at F-39 on the wiring diagram for this HVAC system?
   1. Recirculation/Fresh Motor
   2. Evaporator Temperature Sensor
   3. Temperature Motor
   4. Ambient Temperature Sensor
10. When the HVAC module indicates a recirculation/fresh feedback signal fault, where should the technician start their diagnostic repair procedure?
    1. T7e/4
    2. T26e/24
    3. T7e/6
    4. T7e/3