

## Precedent:

1. All Precedent units have \_\_\_\_\_ VAC, 3-phase current \_\_\_\_\_ or \_\_\_\_\_ electric stand-by. Make sure you understand and observe safe AC practices when working on Precedent units.
2. Some best practices when working with AC are to:
  - a. Take \_\_\_\_\_ readings when possible, instead of Voltage readings
  - b. Talk over your \_\_\_\_\_ with another person
  - c. Have a \_\_\_\_\_ at a safe distance, to kill power immediately in an emergency
3. Mark below each of the control system boxes that will be on EVERY Precedent unit. See the diagram to the right.
  - a. \_\_\_\_ 1 – SR-4 controller box
  - b. \_\_\_\_ 2 – Fan contractors box
  - c. \_\_\_\_ 3 – Smart Power (electric stand-by) box
4. List three items below that are controlled using contactors:
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_



5. Which statements are TRUE regarding the Precedent AC generator:
- a. It is used to supply power to the condenser fan motor and evaporator fan blower motors. TRUE or FALSE (circle one)
  - b. It is driven electrically off of a battery. TRUE or FALSE
  - c. The voltage and frequency of AC power from the generator is determined by the engine speed – high or low speed. TRUE or FALSE
  - d. The condenser fan and evaporator blower fan motor speed is related to the frequency of AC power from the generator. Evaporator blower motor speed is also dependent on high or low speed windings on the motor. TRUE or FALSE

*Using Section 5 of the SR-4 Diagnostic Manual, answer the following questions.*

6. A unit has an alarm code 106, Check Purge Valve Circuit. What four reasons might this code set?

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7. Which series of alarm codes are for Yanmar Common Rail Engines? \_\_\_\_\_
8. Are engine DTC's (Diagnostic Trouble Codes) documented thoroughly in the SR-4 Green Book? \_\_\_\_\_

Where would you find the documentation for what to do if you see the code?

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