

Lesson 4

PCC 3201 Operation

PCC 3201 Operation



Tells Operator what is happening

Start and run genset

Two Starter Disconnects

Switched B+ output

Monitor Frequency

Monitor Voltage & Current

Exercise Functionality

Idle mode operation

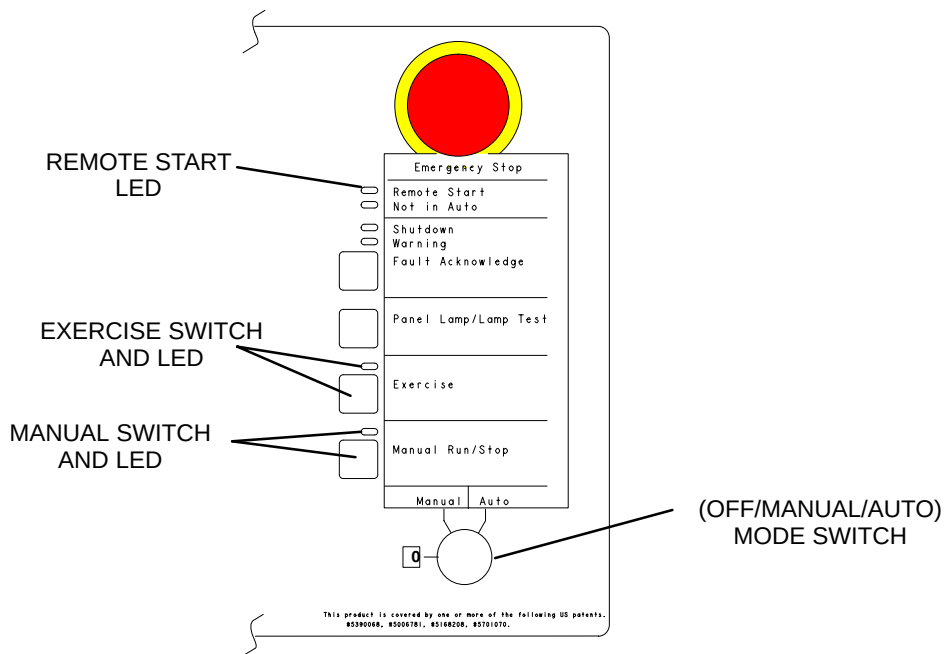
MPU Uses

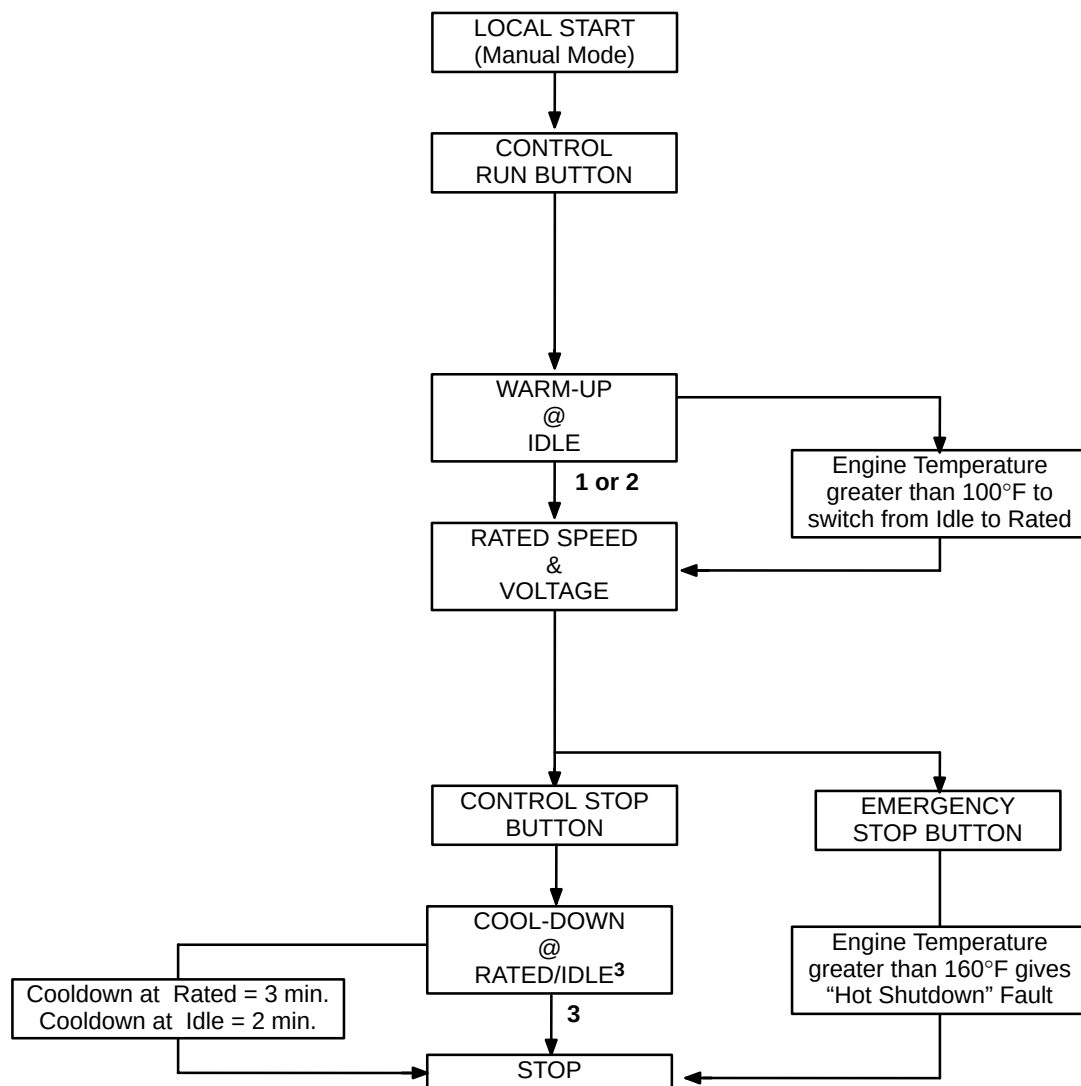


Crankshaft rotation
Primary start disconnect speed
Speed regulation
Mag Pickup Failure fault

Secondary Starter Disconnect
Prevent Fault
Excitation supply

Switch Panel

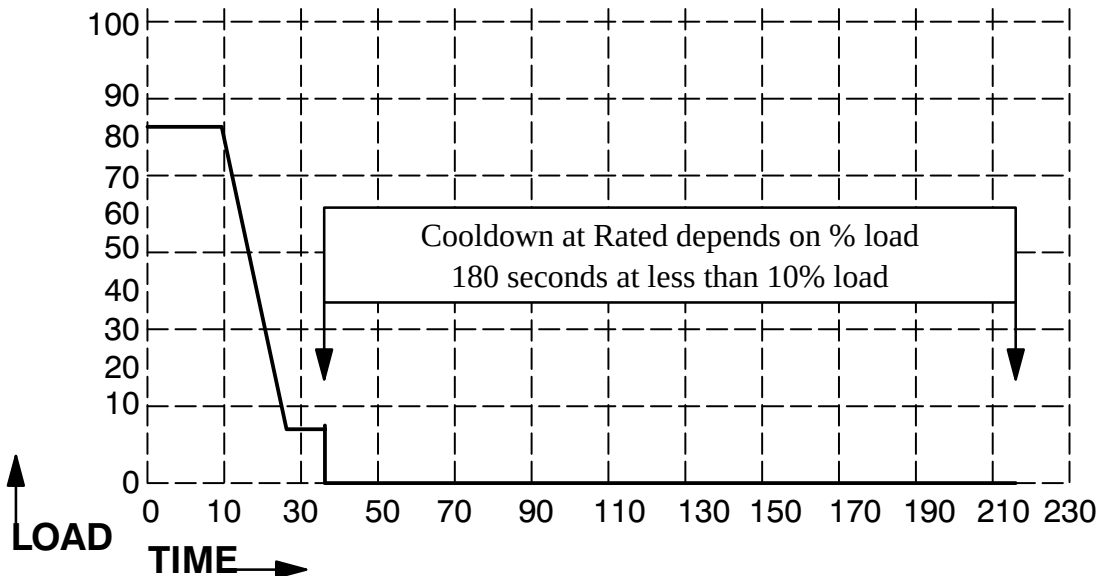




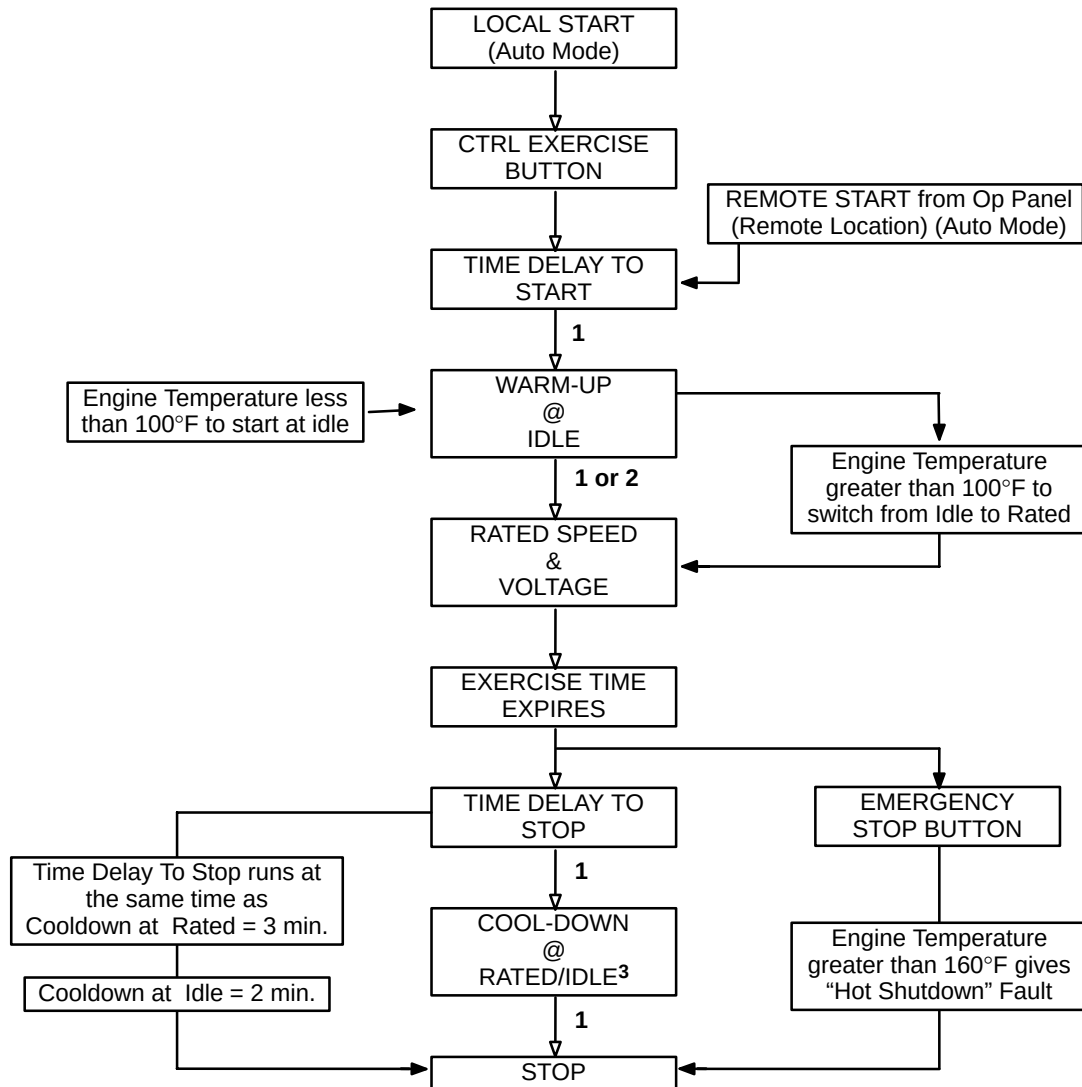
NOTES:

1. Timer expires.
2. Coolant temperature reaches operating level.
3. Cool-down can be at rated speed and/or idle with different time-outs for each.

Cooldown at Rated Speed



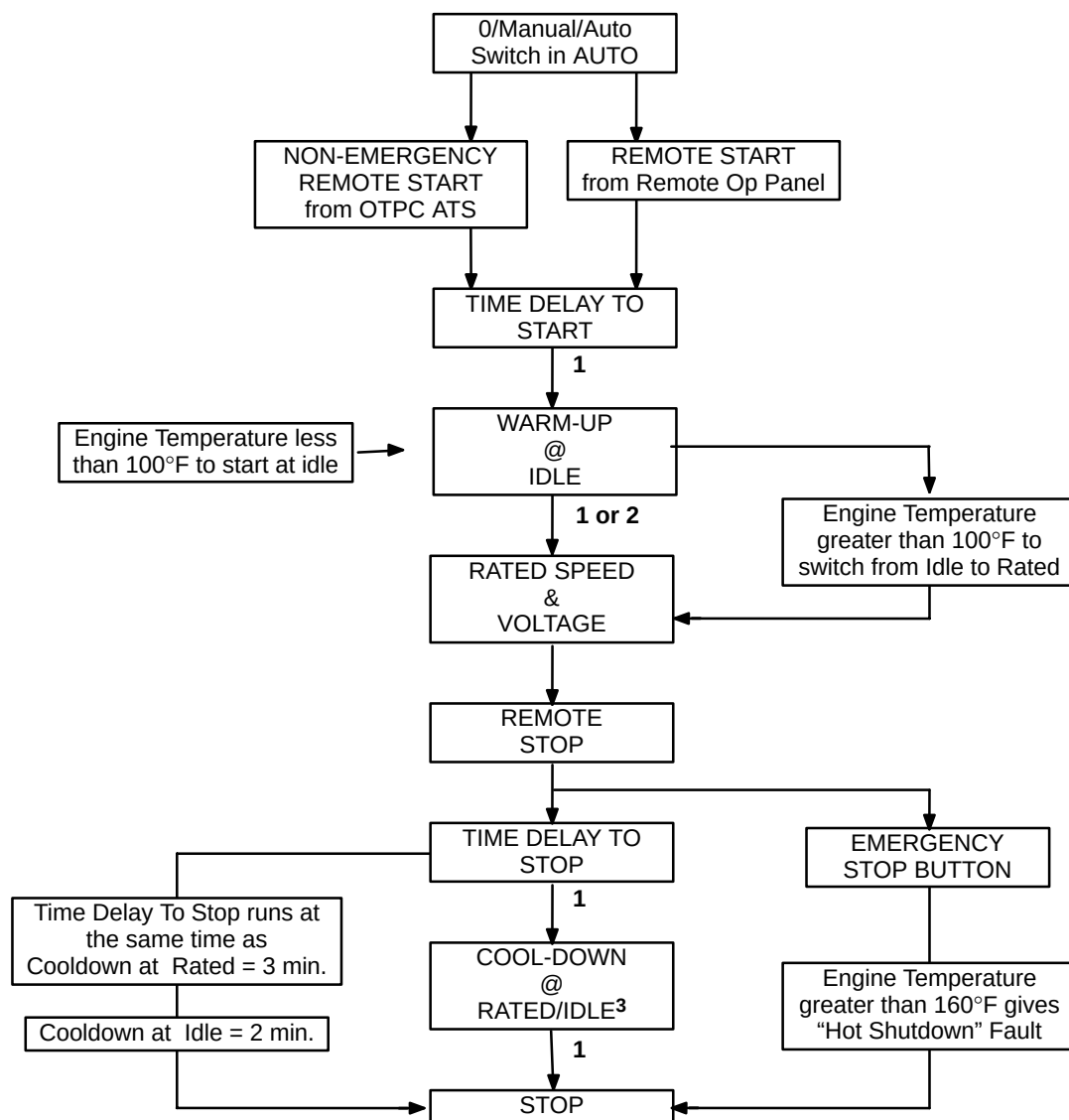
Exercise Operation



NOTES:

1. Timer expires.
2. Coolant temperature reaches operating level.
3. Cool-down can be at rated speed and/or idle with different time-outs for each.

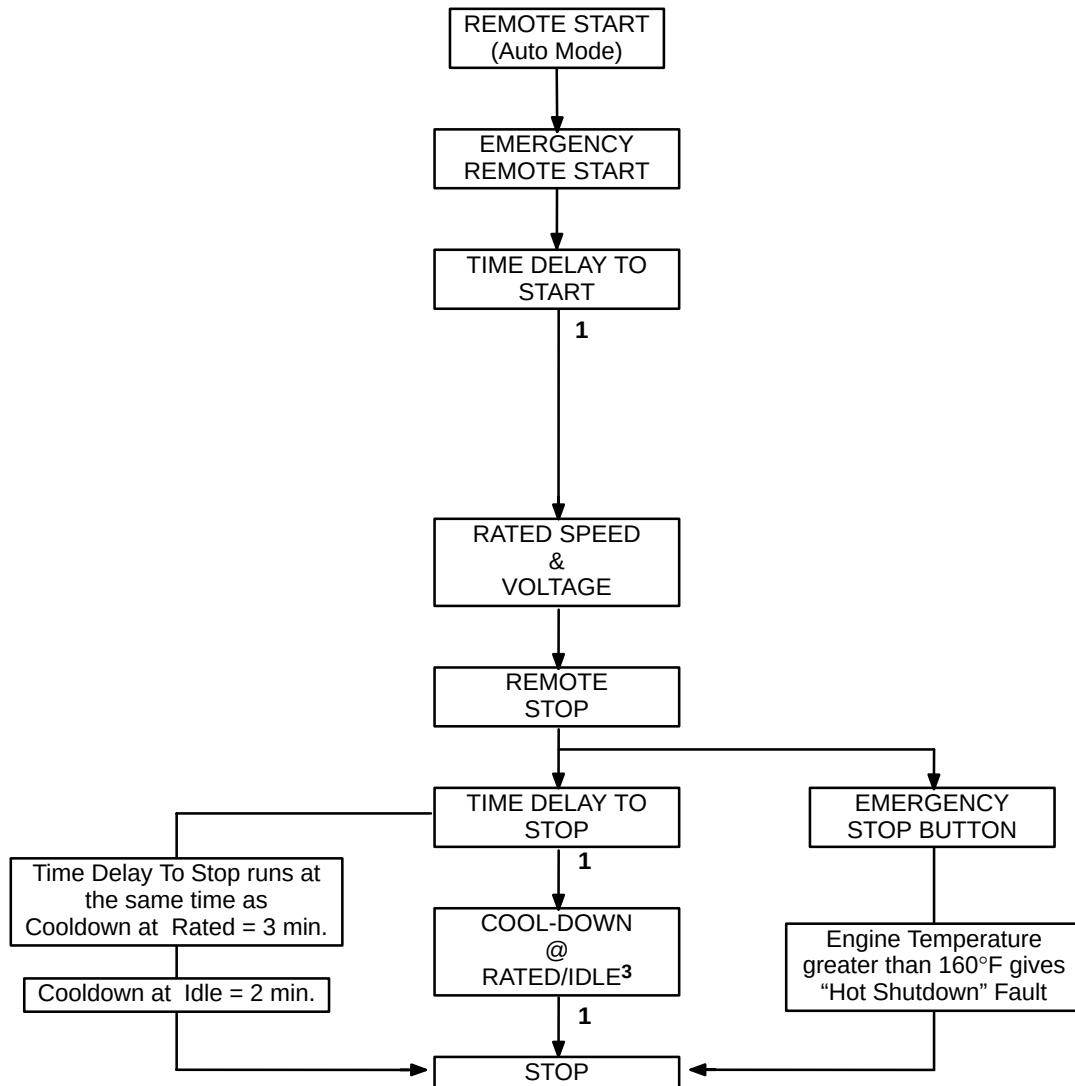
Automatic Non-Emergency Operation



NOTES:

1. Timer expires.
2. Coolant temperature reaches operating level.
3. Cool-down can be at rated speed and/or idle with different time-outs for each.

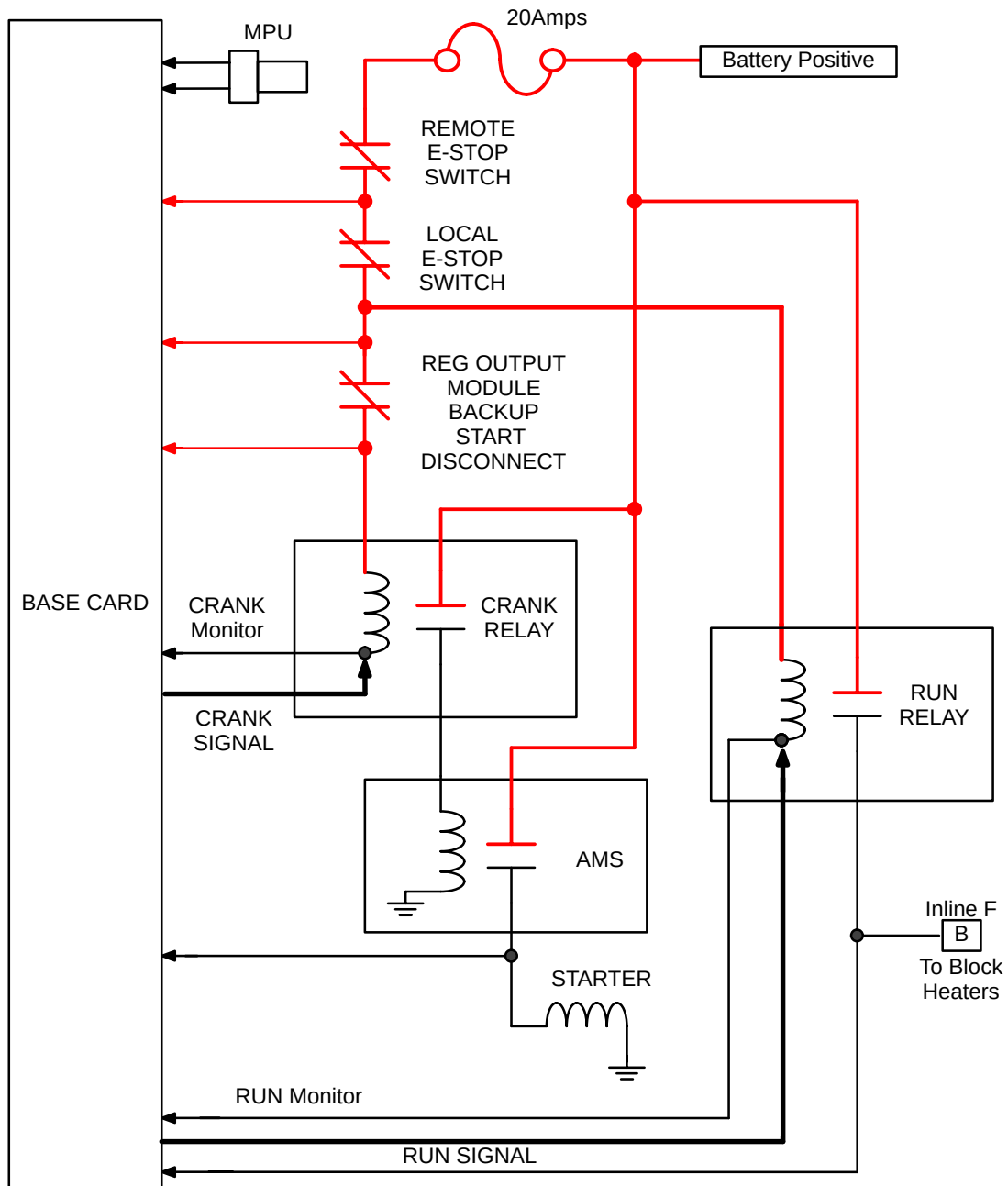
Automatic Emergency Operation



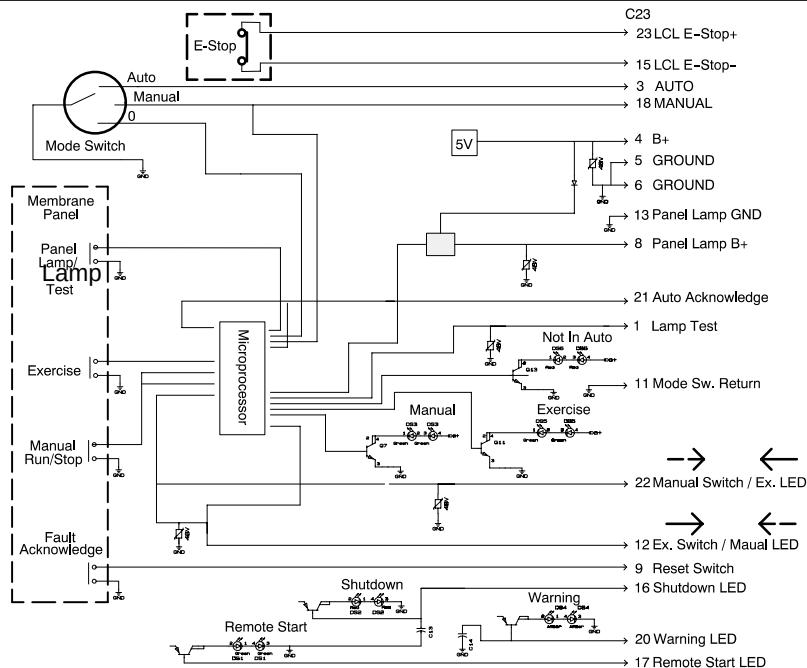
NOTES:

1. Timer expires.
2. Coolant temperature reaches operating level.
3. Cool-down can be at rated speed and/or idle with different time-outs for each.

Crank & Run Relay Effective Circuits



Switch Panel Circuits



4-1 PCC 3201 Operation Quiz

4-2 Operation Exercises

Manual Mode

Exercise Mode

Non-Emergency Auto Operation

Emergency Auto Operation

4-3 Wiring Diagram Questions