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# QUICK REFERENCE SHEET

## LED / FUSE DESCRIPTION

### CENTRAL CONTROL MODULE - MOTHER BOARD

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#### LED DESCRIPTION

- LED 1 - RED** On indicates there should be power on pin 1-CN9 for the master relay control. Check fuse F3 if this LED is not on.
- LED 2 - RED** On indicates there should be power on pin 4-CN9 for the pump relay control. Check fuse F4 if this LED is not on when trying to run the hydraulic pump.
- LED 3 - RED** On indicates there should be power on pin 3-CN1. This is +12 house battery for the can trunk cable. This light will only be on if the system is awake. Check fuses F5 and F2 if this LED is not on.
- LED 4 - RED** On indicates there should be +12 engine battery power on pin 12-CN11. This is +12 engine battery power into the central control module. This LED will only be on if the system is awake. Check fuse F6 if this LED is off.
- LED 5 - RED** On indicates there should be +12 power on pin 5-CN9. This is a signal from the transmission speed switch when the ignition is on and the vehicle is moving at a speed less than approximately 10 mph.
- LED 6** NA
- LED 7 - RED** Has no function.
- LED 8 - RED** This is for the transmission neutral hold. The neutral hold wires are in CN11 on pins 8 and 9. The central control module simply completes a circuit for these two wires. On indicates a room limit switch problem. The normally closed contacts for this connection will be open when this LED is on. The transmission will not shift out of neutral when this light is on.
- LED 9 - RED** On indicates there is a ground signal from the 50 psi pressure switch on the hydraulic leveling system manifold to pin 3-CN9. This switch is only used if there is a hydraulic leveling system.
- LED 10 - RED** On indicates there is a ground signal from the 3000 psi hydraulic pressure switch to pin 2-CN9. This switch may be used with rooms or a hydraulic leveling system. **NOTE: This may be a 2000 or 2500 psi switch on some systems.**
- LED 11 - RED** On indicates there is a ground signal from the park brake switch to pin 11-CN11. This LED will only be on if the system is awake.

#### FUSE DESCRIPTION

- POLY FUSE - PF1** This poly fuse protects +12 house battery out to the reset switch, CN 10-pin 2. The poly fuse will open if there is a short on the supply of the reset switch. If the short is on the return side of the reset switch to the control box or the control box itself, the poly fuse will open when the reset switch is pushed. The poly fuse will remain open until the short is removed (unplug CN10) or power is removed from pin 6 of CN11. The system cannot reset if PF1 is open. The poly fuse will remain open until the short is removed, approximately 30 seconds.
- FUSE - F1 (7.5amp)** This is the fuse for +12 ignition power coming into the central control module, CN 11-pin 1. If this fuse is blown, the central control module, the can trunk cable or any other module connected to the can trunk cable would be the problem, CN1-pin 6. The ignition power at modules other than the central control module is only used for the TRAVEL outputs on systems used for air leveling.
- FUSE - F2 (15amp)** This fuse is for +12 house battery power coming into the central control module, CN 11-pin 6. If this fuse is blown, the central control module is most likely the problem. F5 is a 15amp fuse that protects the house battery circuit that comes from the central control module. It is possible that F2 could blow before F5 if there is an issue with another module, the touch panel or the can trunk cable.
- FUSE - F3 (5amp)** This fuse protects the output at CN9-pin1. This is the master relay control wire.
- FUSE - F4 (5amp)** This fuse protects the output at CN9-pin 4. This is the pump relay control wire.
- FUSE - F5 (15amp)** This fuse protects +12 house battery out from the central control module, CN1-pin 3. If this fuse is blown, the problem is another module, the touch panel, or the can trunk cable.
- FUSE - F6 (3amp)** This fuse protects +12 engine battery in, CN11-pin 12. If this fuse is blown, the problem is the central control module.
- FUSE - F7 (3amp)** This fuse protects +12 accessory power in, CN11-pin 5. This is power for the central control module, the reset switch light (CN10-pin1) and the master warning indicators (CN10-pin 4). If this fuse is blown, the problem is the central control module or the reset switch/master warning indicator circuit.
- FUSE - F9 (3amp)** This fuse protects +12 house battery power out to CN100. Not all systems will have a CN100 connector. There will be another 3 amp fuse on the small board for the CN100 connector. This will supply power for items like the tag dump switch or a step cover switch.

# QUICK REFERENCE SHEET

## LED-FUSE LOCATION AND DESCRIPTION

### CENTRAL CONTROL MODULE - NEW STYLE

#### NEW STYLE BOARD

