

## Description of the wiring harness on a Perkins M30 Diesel as seen on Catalina 320, hull #62

-----> Numbered from fwd to aft on the terminal strip  
in the engine compartment

Wire No.	Use	Pedestal Side Color	Engine Side Color	Comments
1	Ground	Black	Black	
2	12V when Master Switch On	Red	Brown	Power to instruments in pedestal
3	Sensor in block - water at thermostat??	Brown	Green	This sensor is in the port side of the block behind the thermostat
4	Tachometer	Gray	Brown-Black	Old wire from Lucas alt. remains in-place taped up for use with old alt..
			Yellow	New wire run from regulator to term. strip. Joined with old Lucas tach wire left in-place.
5	Glow Plug Solenoid	White	Brown-Red	
6	Unused	Unused	Unused	
7	"Charge" LED in pedestal	Purple	Black	Dash lamp from regulator. Lamp lights on low or high batt. Voltage, & high alt or batt. Temp.
8	Starter Solenoid	Yellow-Red	White-Red	
9	12V from key switch to alternator regulator	Pink-Black	Brown-Yellow	Engine end has a female spade connector that plugged into the Lucas Alternator. This is now connected to the brown wire to the ARS-5 regulator.
10	Unused	Unused	Unused	
11	Oil pressure	Blue-Black	White-Brown	Connects to the round sensor on stbd side of block above fuel pump.
12	Water temp at pump	Tan-Black	Black	This sensor is in the top of the coolant pump

Note: All wires and connectors for the old Lucas alt. Are taped-up left in-place as a fall-back.