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PROCON INSTALLATION INSTRUCTIONS - DF-1

1. Connect +12/24Volt and GND to appropriate terminals of the PROCON connector. If power and ground are connected properly the red LED should now be on.
2. Connect the plus and minus bus wires of the engine bus to the appropriate terminals of the PROCON connector. If the unit is for J1939 use, connect to +J1939 and -J1939 terminals. If the unit is for J1587/1708 use, connect to +J1708 and -J1708 terminals. The cable should be a twisted pair with shield grounded at the engine end only.
3. With the proper communication connections to the engine ECM, the green LED should be on. If the LED fails to turn on, try reversing the bus wires. Measure the voltages at the bus terminals. +J1939 should be 2.5 to 3.5Volts. -J1939 should be 1.3 to 2.3Volts. +J1708 should be 3.5 to 4.5 Volts. -J1708 should be 0.5 to 1.5Volts.
4. Connect the RS232 wires to the appropriate terminals of the PROCON connector. The PROCON should now be ready to transmit DF-1 messages.
5. One additional LED is provided for diagnostic purposes:
 - looking at the connector strip, to the left there is an LED for indicating out going messages.
6. If there are no out going messages from the PROCON:
 - Make sure RS232 wires are connected to proper terminals.