

Off Road Engineering  
(949) 581 2991  
HIC-700 Medium Duty C-Series Voltage Monitor

Operating Instructions

The HIC700 voltage monitor is used in conjunction with the UF3 fast idle option. If the vehicle was not ordered with the UF3 fast idle option a Tech2 scan tool must be used to enable the fast idle option and adjust the factory preset parameters to the desired settings. A fast idle speed of 1300 RPM will provide sufficient alternator output.

The HIC700 voltage monitor will monitor the battery voltage. If the battery voltage drops below 13.0V for 10 seconds, the monitor will send a signal to the vehicles computer and engage the fast idle. The red led on the voltage monitor will turn on when the battery voltage drops below 13.0volts.

For the fast idle to be enabled, the following conditions must be met:

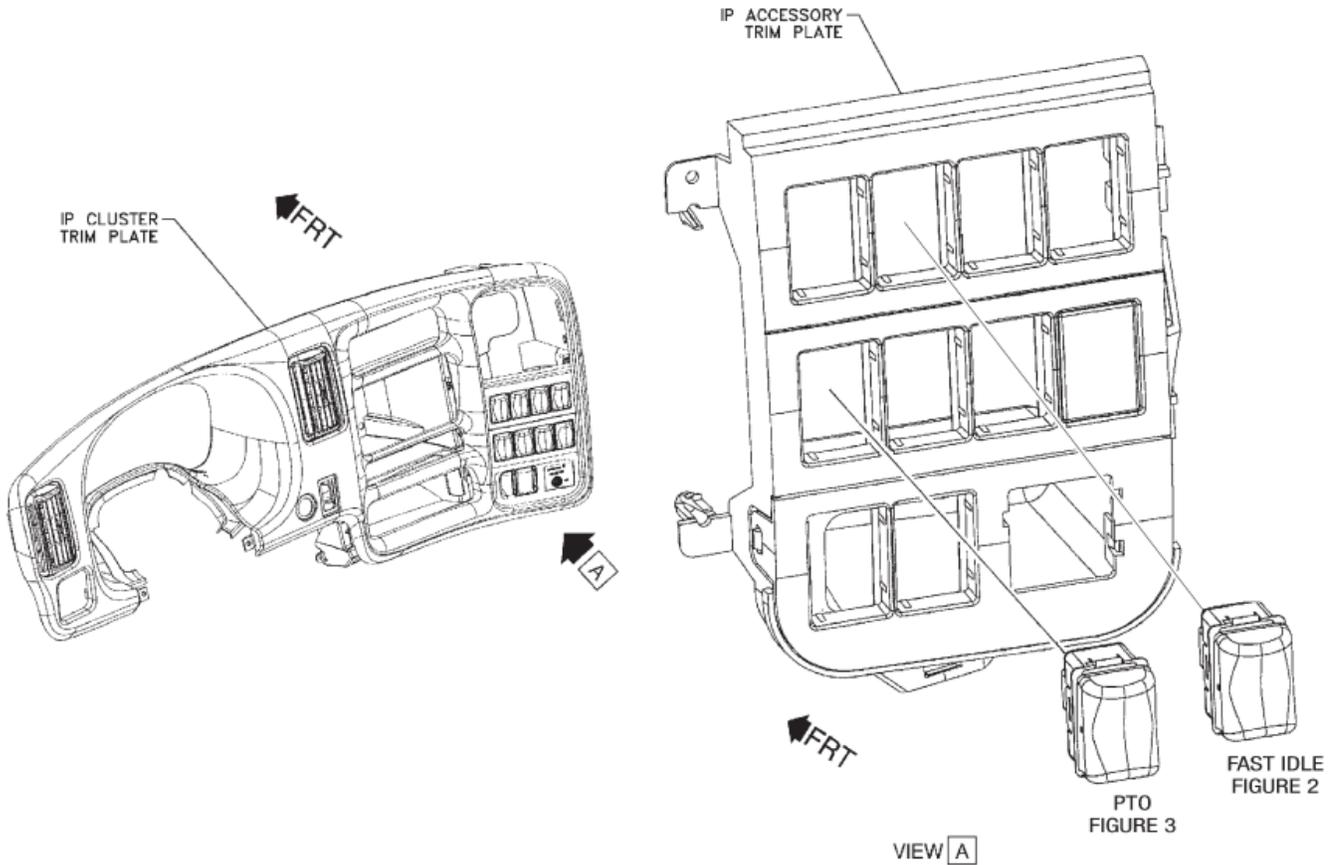
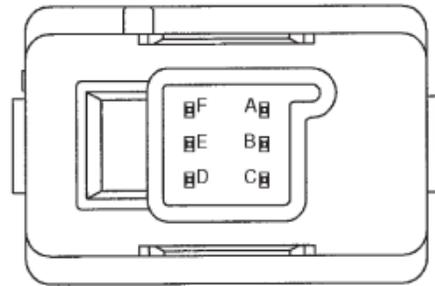
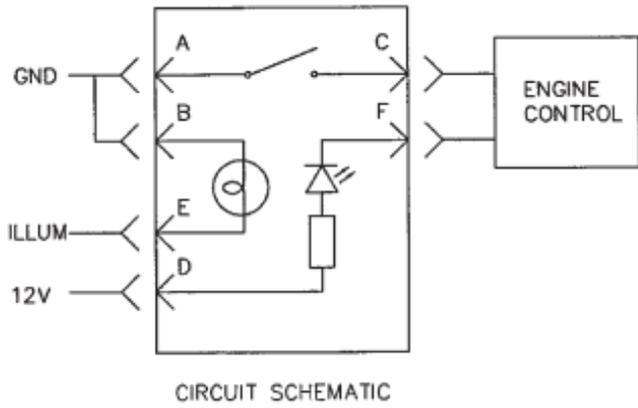
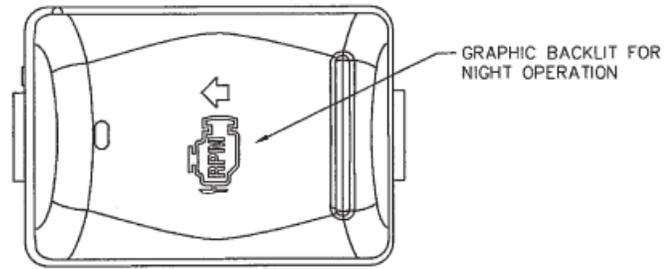
1. Engine must be running
2. Transmission must be in Park or Neutral
3. Vehicles speed must be less than 5 mph
4. Brake or Clutch must not be depressed

The operator can also activate the fast idle mode by pressing the fast idle switch. If the switch is pressed while the engine is in the fast idle mode, the engine will return to normal base idle.

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1. Disconnect battery power.
2. Remove the accessory trim plate, and locate the FAST ILDE socket. (see next page)
3. Secure the HIC700 voltage monitor behind the dash.
4. Attach the HIC700 voltage monitor wires to the wires coming out of the fast idle switch socket using the supplied t-taps as follows:
  1. BLACK wire connects to either BLACK wires positions A or B
  2. RED wire connects to RED wire position F.
  3. GREEN wire connects to GREEN wire position C
  4. BROWN wire connects to BROWN wire position D.
5. Install the fast idle switch into the socket and replace trim plate
6. Reconnect battery power.



Factory fast idle switch schematic and location