

Technical Support

Subject

2008 - 2010 Ford 6.4L Throttle Control Diagnostics

System or Parts affected

Underhood70 V900110					
•	Throttle Control P/N# 3560205				

	Underhood150 V910008
•	Throttle Control P/N# 3560205

Related information

This throttle module ties into the Ford SEIC system (Stationary Elevated Idle Control), please see Ford bulletin for diagnostic information:

Ford bulletin: Q-173-R1



Before you start

Most Throttle Control issues are due to poor electrical connections and/or poor grounding. VMAC recommends that all electrical connections (with the exception of the clutch connector in the engine bay) be soldered and shrink wrapped. We do not recommend using bullet connectors.

Figure 1 shows the location of the SEIC Blunt Cut Wire Harness where the majority of the Throttle Control connections are made.

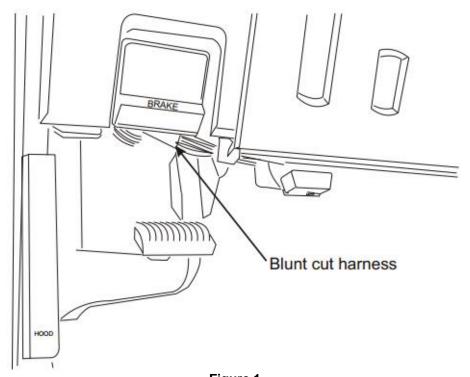


Figure 1

Document	Version	Department	Revision Details	Revised by	Tech	Engineering	Implemented
EXT-VRTC-007	Α	Tech	SVE Link updated	BDJ	N/A	N/A	4 Jun 2018

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Overview Inlet valve Black 3 pin connector Clutch **Check Pins** Control Box Compressor İ Red White Green 4 pin **ENGINE COMPARTMENT** 4) Check Interface 2) Measure connector Ground Connector Voltage Red White White White Connect to purple CBP44 wire at blunt cut harness (Ign. switched 12 Volts) Green Connect To ground Connect to white wire with purple stripe at the park brake switch Red Black AUTOMATIC TRANSMISSION MANUAL TRANSMISSION Connect long blue wire to the blue 1) Measure Connect the blue wires 5) Check wire with a gray stripe CLS05 at the Voltage blunt cut harness Connection Blue Red Rlue Throttle Blue Throttle Controller Throttle To ground 🔘 Controller White 3) Check Connect to accelerator pedal Ground Do not use short blue wire with crimp connector **OEM Connector from** 6) Check accelerator pedal Connection Connect to blue wire CE913 at blunt cut harness (CTO clean tach out)

Figure 2

Isolate Issues:

- 1) With the engine off, key in the run position and park brake applied, measure the voltage to the RED throttle control +12V wire (Should be +12V DC). This will be powered when compressor is turned on.
- 2) With the engine off, key in the run position and park brake applied, measure voltage on the RED wire running to the WHITE interface connector (Should be +12V DC). This will be powered when key switch is on.
- 3) Measure the resistance of the GREEN ground connection from the throttle controller to the vehicle battery's negative terminal. This reading should be less than 1 ohm.
- 4) Measure resistance between WHITE interface connector ground terminal and battery negative terminal. This reading should be less than 1 ohm.
- 5) Check the BLUE wire from the throttle controller, ensure it is a good soldered connection to the BLUE with GRAY stripe wire in the blunt cut bundle.
- 6) Check the WHITE wire from the throttle controller to the "clean tach out" circuit CE913 (see wiring diagram) at the blunt-cut harness. Ensure this is a good soldered connection.

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