Communications Network

DTC Chart: Gateway Module (GWM)

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices. REFER to: Diagnostic Methods (100-00 General Information, Description and Operation).

DTC	Description	Action
U2100:00	Initial Configuration Not Complete: No Sub Type Information	CHECK the vehicle service history for recent service actions related to this module. This DTC sets due to incomplete or incorrect PMI procedures. INSTALL As-Built data from Professional Technician Society (PTS) following diagnostic scan tool instructions under Module Programming>As-Built.
U3000:44	Control Module: Data Memory Failure	GO to Pinpoint Test AD
U3000:45	Control Module: Program Memory Failure	GO to Pinpoint Test AD
U3000:46	Control Module: Calibration/Parameter Memory Failure	GO to Pinpoint Test AD
U3000:47	Control Module: Watchdog/Safety µC Failure	GO to Pinpoint Test AD
U3000:49	Control Module: Internal Electronic Failure	GO to Pinpoint Test AD

Symptom Chart(s)

Symptom Chart: Communication Network

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices. REFER to: Diagnostic Methods (100-00 General Information, Description and Operation).

Symptom Chart

Condition	Possible Sources	Actions
The vehicle does not start with the diagnostic scan tool connected to the DLC and/or multiple malfunction indicators are only on when the diagnostic scan tool is connected to the DLC	Refer to the Pinpoint Test	GO to Pinpoint Test AC

No HS-CAN1 communication, all modules are not responding	Refer to the Pinpoint Test	GO to Pinpoint Test X
No HS-CAN2 communication, all modules are not responding	Refer to the Pinpoint Test	GO to Pinpoint Test Y
No HS-CAN3 communication, all modules are not responding	Refer to the Pinpoint Test	GO to Pinpoint Test Z
No HS-CAN4 communication, all modules are not responding	Refer to the Pinpoint Test	GO to Pinpoint Test AA
No MS-CAN communication, all modules are not responding	Refer to the Pinpoint Test	GO to Pinpoint Test AB
The PCM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test A
The ABS module does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test B
The RCM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test C
The BECMB does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test D
The OCSM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test E
The SCCM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test F
The IPC does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test G
The BCM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test H
The PAM does not respond to the diagnostic scan tool (integrated with the BCM)	Refer to the Pinpoint Test	GO to Pinpoint Test H
The FCIM module does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test I
The ACM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test J
The IPMA does not respond to the diagnostic scan tool	Refer to the	GO to

	Pinpoint Test	Pinpoint Test K
The APIM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test L
The DSP does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test M
The TCU does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test N
The RTM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test O
The PSCM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test P
The SODL does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test Q
The SODR does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test R
The HUD module does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test S
The TRM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test T
The ATCM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test U
The DCDC does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test V
The GWM does not respond to the diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test W
No power to the DLC	Refer to the Pinpoint Test	GO to Pinpoint Test AC

Pinpoint Tests

▶ PINPOINT TEST A : THE POWERTRAIN CONTROL MODULE (PCM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL

- PINPOINT TEST B : THE ANTI-LOCK BRAKE SYSTEM (ABS) MODULE DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST C : THE RESTRAINTS CONTROL MODULE (RCM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST D : THE BECMB (EXTENDED POWER MODULE) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST E : THE OCCUPANT CLASSIFICATION SYSTEM MODULE (OCSM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST F : THE STEERING COLUMN CONTROL MODULE (SCCM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST G : THE INSTRUMENT PANEL CLUSTER (IPC) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST H : THE BODY CONTROL MODULE (BCM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST I : THE FRONT CONTROLS INTERFACE MODULE (FCIM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST J : THE AUDIO CONTROL MODULE (ACM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST K : THE IMAGE PROCESSING MODULE A (IPMA) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST L : THE ACCESSORY PROTOCOL INTERFACE MODULE (APIM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST M : THE AUDIO DIGITAL SIGNAL PROCESSING (DSP) MODULE DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST N : THE TELEMATIC CONTROL UNIT MODULE (TCU) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST O : THE RADIO TRANSCEIVER MODULE (RTM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST P : THE POWER STEERING CONTROL MODULE (PSCM) DOES NOT RESPOND

TO THE DIAGNOSTIC SCAN TOOL

- PINPOINT TEST Q : THE SIDE OBSTACLE DETECTION CONTROL MODULE LH (SOD-L) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST R : THE SIDE OBSTACLE DETECTION CONTROL MODULE RH (SOD-R) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST S : THE HEAD UP DISPLAY (HUD) MODULE DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST T : THE TRM (TRAILER MODULE) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST U : THE ALL TERRAIN CONTROL MODULE (ATCM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST V : THE DIRECT CURRENT/DIRECT CURRENT (DC/DC) CONVERTER CONTROL MODULE (VOLTAGE QUALITY MODULE) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST W : THE GATEWAY MODULE (GWM) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL
- PINPOINT TEST X : NO HIGH SPEED CONTROLLER AREA NETWORK 1 (HS-CAN1) COMMUNICATION, ALL MODULES ARE NOT RESPONDING
- PINPOINT TEST Y : NO HIGH SPEED CONTROLLER AREA NETWORK 2 (HS-CAN2) COMMUNICATION, ALL MODULES ARE NOT RESPONDING
- PINPOINT TEST Z : NO HIGH SPEED CONTROLLER AREA NETWORK 3 (HS-CAN3) COMMUNICATION, ALL MODULES ARE NOT RESPONDING
- PINPOINT TEST AA : NO HIGH SPEED CONTROLLER AREA NETWORK 4 (HS-CAN4) COMMUNICATION, ALL MODULES ARE NOT RESPONDING
- PINPOINT TEST AB : NO MEDIUM SPEED CONTROLLER AREA NETWORK (MS-CAN) COMMUNICATION, ALL MODULES ARE NOT RESPONDING
- PINPOINT TEST AC : NO POWER TO THE DATA LINK CONNECTOR (DLC)
- PINPOINT TEST AD : U3000:44 ,U3000:45, U3000:46, U3000:47 OR U3000:49

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