

The GWM receives the left turn lamp on request and the right turn lamp on request from the BCM over the HS-CAN1.

The IPC receives the vehicle speed message from the GWM over the HS-CAN3. The GWM receives the vehicle speed message from the PCM over the HS-CAN1.

DESCRIPTION AND OPERATION > WARNING CHIMES - SYSTEM OPERATION AND COMPONENT DESCRIPTION > TURN SIGNAL LEFT ON CHIME

The turn signal left on or turn signal minder chime uses both odometer and turn signal status messages. The turn signal left on chime sounds a repetitive 1-second chime through the front speakers when the vehicle is driven with the turn signal on for more than 3.2 km (2.0 miles).

The IPC receives the turn signal switch status from the GWM over the HS-CAN3.

The GWM receives the turn signal switch status from the BCM over the HS-CAN1.

When a chime request is received, the IPC sends the IPC chime request message to the ACM and the audio DSP to sound the chime.

DIAGNOSIS AND TESTING > INSTRUMENTATION, MESSAGE CENTER AND WARNING CHIMES > DTC CHART: INSTRUMENT PANEL CLUSTER (IPC)

Diagnostics in this article assume a certain skill level and knowledge of Ford-specific diagnostic practices. REFER to: Diagnostic Methods .

DTC	Description	Action
P0460:11	Fuel Level Sensor "A" Circuit: Circuit Short To Ground	GO to Pinpoint Test C
P0460:13	Fuel Level Sensor "A" Circuit: Circuit Open	GO to Pinpoint Test C
P1534:01	Restraint Deployment Indicator Circuit: General Electrical Failure	Diagnose all RCM Diagnostic Trouble Codes (DTCs). REFER to: Airbag Supplemental Restraint System (SRS) .
P1706:00	High Vehicle Speed Observed in Park: No Sub Type Information	GO to Pinpoint Test AG
U0100:00	Lost Communication With ECM/PCM "A": No Sub Type Information	GO to Pinpoint Test BL
U0102:00	Lost Communication with Transfer Case Control Module: No Sub Type Information	GO to Pinpoint Test BM
U0104:00	Lost Communication With Cruise Control Module: No Sub Type	GO to Pinpoint Test BN

	Information	
U0121:00	Lost Communication With Anti-Lock Brake System (ABS) Control Module: No Sub Type Information	GO to Pinpoint Test BO
U0137:00	Lost Communication With Trailer Brake Control Module: No Sub Type Information	GO to Pinpoint Test BP
U0140:00	Lost Communication With Body Control Module: No Sub Type Information	GO to Pinpoint Test BQ
U0151:00	Lost Communication With Restraints Control Module: No Sub Type Information	GO to Pinpoint Test BR
U0159:00	Lost Communication With Parking Assist Control Module "A": No Sub Type Information	GO to Pinpoint Test BS
U016A:00	Lost Communication With Global Positioning System Module: No Sub Type Information	GO to Pinpoint Test BT
U0193:00	Lost Communication With "Digital Audio Control Module A": No Sub Type Information	GO to Pinpoint Test BU
U0212:00	Lost Communication With Steering Column Control Module: No Sub Type Information	GO to Pinpoint Test BV
U0232:00	Lost Communication With Side Obstacle Detection Control Module - Left: No Sub Type Information	GO to Pinpoint Test BW
U0233:00	Lost Communication With Side Obstacle Detection Control Module - Right: No Sub Type Information	GO to Pinpoint Test BW
U023A:00	Lost Communication With Image Processing Module A: No Sub Type Information	GO to Pinpoint Test BY
U0257:00	Lost Communication With Front Control/Display Interface Module: No Sub Type Information	GO to Pinpoint Test BZ
U0260:00	Lost Communication With Seat Control Switch Module "A": No Sub Type Information	GO to Pinpoint Test BX
U0401:00	Invalid Data Received from ECM/PCM A: No Sub Type Information	This DTC sets when the IPC receives invalid network data for the speedometer, engine temperature or odometer data

		from the PCM. RETRIEVE and REPAIR all non-network Diagnostic Trouble Codes (DTCs) in the PCM and other modules on the network. Refer to ENGINE CONTROLS - INTRODUCTION (EXCEPT DIESEL & HYBRID) . Refer to the appropriate article for the procedure. If no Diagnostic Trouble Codes (DTCs) are present in the PCM, DIAGNOSE the observable symptom.
U0401:81	Invalid Data Received from ECM/PCM A: Invalid Serial Data Received	This DTC sets when the IPC receives invalid network data for the speedometer or engine temperature data from the PCM. RETRIEVE and REPAIR all non-network Diagnostic Trouble Codes (DTCs) in the PCM and other modules on the network. Refer to ENGINE CONTROLS - INTRODUCTION (EXCEPT DIESEL & HYBRID) . Refer to the appropriate article for the procedure. If no Diagnostic Trouble Codes (DTCs) are present in the PCM, DIAGNOSE the observable symptom.
U0401:82	Invalid Data Received from ECM/PCM A: Alive/Sequence Counter Incorrect/Not Updated	GO to Pinpoint Test BL
U0405:56	Invalid Data Received From Cruise Control Module: Invalid/Incompatible Configuration	This DTC sets when the IPC receives invalid network data for adaptive cruise control from the CCM. CHECK the vehicle service history for recent service actions related to this module. This DTC sets due to incomplete or incorrect PMI procedures. If there have been recent service actions with this module, REPEAT the PMI procedure as directed by the scan tool. If there have been no recent service actions, INSTALL a new module to correct the failure to retain configuration data.
U0415:82	Invalid Data Received From Anti-Lock Brake System (ABS) Control Module: Alive/Sequence Counter Incorrect/Not Updated	This DTC sets when the IPC receives invalid network data for adaptive cruise control from the ABS module. RETRIEVE and

		REPAIR all non-network Diagnostic Trouble Codes (DTCs) in the ABS module and other modules on the network. REFER to: Anti-Lock Brake System (ABS) and Stability Control . If no Diagnostic Trouble Codes (DTCs) are present in the ABS module, DIAGNOSE the observable symptom.
U0417:82	Invalid Data Received From Park Brake Control Module: Alive/Sequence Counter Incorrect/Not Updated	GO to Pinpoint Test CA
U041E:00	Invalid Data Received From All Wheel Drive Control Module: No Sub Type Information	This DTC sets when the IPC receives invalid network data for the power distribution display from the TCCM. RETRIEVE and REPAIR all non-network Diagnostic Trouble Codes (DTCs) in the TCCM and other modules on the network. REFER to: Four-Wheel Drive Systems - Vehicles With: 2-Speed Torque On Demand Transfer Case or REFER to: Four-Wheel Drive Systems - Vehicles With: Electronic Shift Transfer Case . If no Diagnostic Trouble Codes (DTCs) are present in the TCCM, DIAGNOSE the observable symptom.
U0420:82	Invalid Data Received From Power Steering Control Module: Alive/Sequence Counter Incorrect/Not Updated	GO to Pinpoint Test CB
U0422:00	Invalid Data Received From Body Control Module: No Sub Type Information	This DTC sets when the IPC receives invalid network TPMS data from the BCM. RETRIEVE and REPAIR all non-network Diagnostic Trouble Codes (DTCs) in the BCM and other modules on the network. REFER to: Body Control Module (BCM) . If no Diagnostic Trouble Codes (DTCs) are present in the BCM, DIAGNOSE the observable symptom.

U0422:55	Invalid Data Received From Body Control Module: Not Configured	This DTC sets when the IPC receives invalid trailer sway network data from the BCM. CHECK the vehicle service history for recent service actions related to this module. This DTC sets due to incomplete or incorrect PMI procedures. If there have been recent service actions with this module, REPEAT the PMI procedure as directed by the scan tool. If there have been no recent service actions, INSTALL a new module to correct the failure to retain configuration data.
U0422:82	Invalid Data Received From Body Control Module: Alive/Sequence Counter Incorrect/Not Updated	GO to Pinpoint Test BQ
U0429:82	Invalid Data Received From Steering Column Control Module : Alive/Sequence Counter Incorrect/Not Updated	GO to Pinpoint Test BV
U0452:81	Invalid Data Received From Restraints Control Module: Invalid Serial Data Received	This DTC sets when the IPC receives invalid network data from the RCM due to incorrect Belt-Minder ® configuration in the IPC. RETRIEVE and REPAIR all non-network Diagnostic Trouble Codes (DTCs) in the RCM and other modules on the network. REFER to: Airbag Supplemental Restraint System (SRS) . If no Diagnostic Trouble Codes (DTCs) are present in the RCM, DIAGNOSE the observable symptom.
U045A:82	Invalid Data Received From Parking Assist Control Module "A": Alive/Sequence Counter Incorrect/Not Updated	GO to Pinpoint Test BS
U046B:86	Invalid Data Received From Global Positioning System Module: Signal Invalid	This DTC sets when the IPC receives invalid compass data from the GPSM. RETRIEVE and REPAIR all non-network Diagnostic Trouble Codes (DTCs) in the GPSM and other modules on the network. Refer to the appropriate article for the procedure. If no Diagnostic

		Trouble Codes (DTCs) are present in the GPSM, DIAGNOSE the observable symptom.
U0533:56	Invalid Data Received From Side Obstacle Detection Control Module-Left: Invalid/Incompatible Configuration	This DTC sets when the IPC receives invalid network data due to configuration mismatch between the IPC and the SODL. CHECK the vehicle service history for recent service actions related to this module. This DTC sets due to incomplete or incorrect PMI procedures. If there have been recent service actions with this module, REPEAT the PMI procedure as directed by the scan tool. If there have been no recent service actions, INSTALL a new module to correct the failure to retain configuration data.
U0533:82	Invalid Data Received From Side Obstacle Detection Control Module-Left: Alive/Sequence Counter Incorrect/Not Updated	GO to Pinpoint Test BW
U0534:56	Invalid Data Received From Side Obstacle Detection Control Module-Right: Invalid/Incompatible Configuration	This DTC sets when the IPC receives invalid network data due to configuration mismatch between the IPC and the SODR. CHECK the vehicle service history for recent service actions related to this module. This DTC sets due to incomplete or incorrect PMI procedures. If there have been recent service actions with this module, REPEAT the PMI procedure as directed by the scan tool. If there have been no recent service actions, INSTALL a new module to correct the failure to retain configuration data.
U0534:82	Invalid Data Received From Side Obstacle Detection Control Module-Right: Alive/Sequence Counter Incorrect/Not Updated	GO to Pinpoint Test BW
U0561:82	Invalid Data Received From Seat Control Switch Module "A": Alive/Sequence Counter Incorrect/Not Updated	GO to Pinpoint Test BX