

## Master DTC Chart

- ▶ [ABS \(anti-lock brake system\)](#)
- ▶ [ACM \(audio front control module\)](#)
- ▶ [APIM \(SYNC module\)](#)
- ▶ [BCM \(body control module\)](#)
- ▶ [BCMB \(body control module B\)](#)
- ▶ [BCMC \(body control module C\)](#)
- ▶ [CCM \(cruise control module\)](#)
- ▶ [DDM \(driver door module\)](#)
- ▶ [DSM \(driver front seat module\)](#)
- ▶ [DSP \(audio digital signal processing module\)](#)
- ▶ [GWM \(gateway module A\)](#)
- ▶ [HCM \(headlamp control module\)](#)
- ▶ [HVAC \(heating, ventilation and air conditioning\)](#)
- ▶ [IPC \(instrument panel cluster\)](#)
- ▶ [IPMA \(image processing module A\)](#)
- ▶ [LDCMA \(Lighting Driver Control Module A\)](#)
- ▶ [LDCMB \(Lighting Driver Control Module B\)](#)
- ▶ [MRCMA \(movable roof control module A\)](#)
- ▶ [MRCMB \(movable roof control module B\)](#)
- ▶ [OCSM \(occupant classification system module\)](#)
- ▶ [PAM \(parking assist control module\)](#)
- ▶ [PCM \(powertrain control module\)](#)
- ▶ [PDM \(passenger door module\)](#)
- ▶ [PSCM \(power steering control module\)](#)
- ▶ [RCM \(restraints control module\)](#)
- ▼ [RTM \(radio transceiver module\)](#)

DTC	Description	PINPOINT TEST
U0146:00	Lost Communication With Serial Data Gateway 'A': No Sub Type Information	<a href="#">H: U0146:00</a> (Tire Pressure Monitoring System (TPMS))
U0401:00	Invalid Data Received from ECM/PCM A: No Sub Type Information	<a href="#">J: U0401:00, U0401:82</a> (Tire Pressure Monitoring System (TPMS))
U0401:82	Invalid Data Received from ECM/PCM A: Alive / Sequence Counter Incorrect / Not Updated	<a href="#">J: U0401:00, U0401:82</a> (Tire Pressure Monitoring System (TPMS))
U1A00:00	Private Communication Network: No Sub Type Information	<a href="#">O: U0258:87, U1A00:00</a> (Locks, Latches and Entry Systems)
U1A00:00	Private Communication Network: No Sub Type Information	<a href="#">I: U1A00:00</a> (Tire Pressure Monitoring System (TPMS))
U2100:00	Initial Configuration Not Complete: No Sub Type Information	<a href="#">K: U0559:56, U2100:00, U3000:04</a> (Tire Pressure Monitoring System (TPMS))
U3000:04	Control Module: System Internal Failure	<a href="#">K: U0559:56, U2100:00, U3000:04</a> (Tire Pressure Monitoring System (TPMS))

- ▶ [SCCM \(steering column control module\)](#)
- ▶ [SODL \(side obstacle detection control module LH\)](#)
- ▼ [SODR \(side obstacle detection control module RH\)](#)

<b>DTC</b>	<b>Description</b>	<b>PINPOINT TEST</b>
B13F4:54	Right Rear Side Sensor: Missing Calibration	<a href="#">M: BLIS SENSOR CALIBRATION CONCERNS - MULTIPLE DTC'S</a> (Blind Spot Information System)
B13F4:96	Right Rear Side Sensor: Component Internal Failure	<a href="#">P: B13F3:96 OR B13F4:96</a> (Blind Spot Information System)
B13F4:97	Right Rear Side Sensor: Component or System Operation Obstructed or Blocked	<a href="#">Q: B13F3:97 OR B13F4:97</a> (Blind Spot Information System)
B13F4:98	Right Rear Side Sensor: Component Or System Over Temperature	<a href="#">R: B13F3:98 OR B13F4:98</a> (Blind Spot Information System)
B157D:78	Right Rear Side Sensor Vertical Alignment: Alignment Or Adjustment Incorrect	<a href="#">M: BLIS SENSOR CALIBRATION CONCERNS - MULTIPLE DTC'S</a> (Blind Spot Information System)
B159C:78	Right Rear Side Sensor Horizontal Alignment: Alignment Or Adjustment Incorrect	<a href="#">M: BLIS SENSOR CALIBRATION CONCERNS - MULTIPLE DTC'S</a> (Blind Spot Information System)
U2008:08	Sensor Cluster: Bus Signal / Message Failure	<a href="#">S: DTC U2008:08</a> (Blind Spot Information System)
U2100:00	Initial Configuration Not Complete: No Sub Type Information	<a href="#">T: U2100:00 OR U2300:55</a> (Blind Spot Information System)
U2300:55	Central Configuration: Not Configured	<a href="#">T: U2100:00 OR U2300:55</a> (Blind Spot Information System)
U3000:41	Control Module: General Checksum Failure	<a href="#">U: U3000:41, U3000:42, U3000:44 OR U3000:49</a> (Blind Spot Information System)
U3000:42	Control Module: General Memory Failure	<a href="#">U: U3000:41, U3000:42, U3000:44 OR U3000:49</a> (Blind Spot Information System)
U3000:44	Control Module: Data Memory Failure	<a href="#">U: U3000:41, U3000:42, U3000:44 OR U3000:49</a> (Blind Spot Information System)
U3000:49	Control Module: Internal Electronic Failure	<a href="#">U: U3000:41, U3000:42, U3000:44 OR U3000:49</a> (Blind Spot Information System)
U3002:62	Vehicle Identification Number: Signal Compare Failure	<a href="#">V: U3002:62</a> (Blind Spot Information System)
U3003:16	Battery Voltage: Circuit Voltage Below Threshold	<a href="#">W: U3003:16</a> (Blind Spot Information System)
U3003:17	Battery Voltage: Circuit Voltage Above Threshold	<a href="#">X: 3003:17</a> (Blind Spot Information System)

▼ **TCU (telematic control unit module)**

<b>DTC</b>	<b>Description</b>	<b>PINPOINT TEST</b>
B116C:04	External SIM Cable/SIM Card: System Internal Failure	<a href="#">AU: INTERNAL MODULE FAILURE</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B116C:55	External SIM Cable/SIM Card: Not Configured	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B116C:57	External SIM Cable/SIM Card: Invalid / Incompatible Software Component	<a href="#">AU: INTERNAL MODULE FAILURE</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B116D:11	SOS On Call Keypad: Circuit Short To Ground	<a href="#">AA: EMERGENCY CALL BUTTON INPUT FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B116D:12	SOS On Call Keypad: Circuit Short To Battery	<a href="#">AA: EMERGENCY CALL BUTTON INPUT FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B116D:13	SOS On Call Keypad: Circuit Open	<a href="#">AA: EMERGENCY CALL BUTTON INPUT FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B116D:9E	SOS On Call Keypad: Stuck On	<a href="#">AA: EMERGENCY CALL BUTTON INPUT FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B119F:11	GPS Antenna: Circuit Short To Ground	<a href="#">W: THE COMPASS/NAVIGATION IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY - VEHICLES LESS NAVIGATION</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B119F:13	GPS Antenna: Circuit Open	<a href="#">W: THE COMPASS/NAVIGATION IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY - VEHICLES LESS NAVIGATION</a> (Information and Entertainment System - Vehicles With: SYNC 4)

B1246:11	GSM (Group System for Mobile) Antenna: Circuit Short To Ground	<a href="#">X: THE FORDPASS FEATURE IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1246:13	GSM (Group System for Mobile) Antenna: Circuit Open	<a href="#">X: THE FORDPASS FEATURE IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B12B7:09	Switch Pack LED: Component Failures	<a href="#">AB: EMERGENCY CALL INDICATOR CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B12B7:11	Switch Pack LED: Circuit Short To Ground	<a href="#">AB: EMERGENCY CALL INDICATOR CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B12B7:12	Switch Pack LED: Circuit Short To Battery	<a href="#">AB: EMERGENCY CALL INDICATOR CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B12B7:13	Switch Pack LED: Circuit Open	<a href="#">AB: EMERGENCY CALL INDICATOR CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1477:09	Backup Battery: Component Failures	<a href="#">AC: TCU BACKUP BATTERY CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1477:13	Backup Battery: Circuit Open	<a href="#">AC: TCU BACKUP BATTERY CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1477:16	Backup Battery: Circuit Voltage Below Threshold	<a href="#">AC: TCU BACKUP BATTERY CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1A01:11	Speaker #1: Circuit Short To Ground	<a href="#">AD: EMERGENCY CALL SPEAKER CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1A01:12	Speaker #1: Circuit Short To Battery	<a href="#">AD: EMERGENCY CALL SPEAKER CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1A01:13	Speaker #1: Circuit Open	<a href="#">AD: EMERGENCY CALL SPEAKER CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1A01:1E	Speaker #1: Circuit Resistance Out of Range	<a href="#">AD: EMERGENCY CALL SPEAKER CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1A56:11	Antenna: Circuit Short To Ground	<a href="#">AE: VEHICLE TRACKING ANTENNA CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1A56:13	Antenna: Circuit Open	<a href="#">AE: VEHICLE TRACKING ANTENNA CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1D55:11	Antenna #2: Circuit Short To Ground	<a href="#">Y: THE VEHICLE WI-FI HOTSPOT FEATURE IS INOPERATIVE, EXPERIENCING POOR DATA SPEED OR CANNOT STREAM ANY DATA</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1D55:13	Antenna #2: Circuit Open	<a href="#">Y: THE VEHICLE WI-FI HOTSPOT FEATURE IS INOPERATIVE, EXPERIENCING POOR DATA SPEED OR CANNOT STREAM ANY DATA</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1D79:11	Microphone Input: Circuit Short To Ground	<a href="#">O: VOICE COMMANDS ARE INOPERATIVE OR OUTGOING AUDIO IS NOT TRANSMITTED DURING A PHONE CALL - VEHICLES WITH ECALL</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1D79:12	Microphone Input: Circuit Short To Battery	<a href="#">O: VOICE COMMANDS ARE INOPERATIVE OR OUTGOING AUDIO IS NOT TRANSMITTED DURING A PHONE CALL - VEHICLES WITH ECALL</a> (Information and Entertainment System - Vehicles With: SYNC 4)
B1D79:14	Microphone Input: Circuit Short To Ground Or Open	<a href="#">O: VOICE COMMANDS ARE INOPERATIVE OR OUTGOING AUDIO IS NOT TRANSMITTED DURING A PHONE CALL - VEHICLES WITH ECALL</a> (Information and Entertainment System - Vehicles With: SYNC 4)

C006A:00	Multi-axis Acceleration Sensor: No Sub Type Information	<a href="#">AU: INTERNAL MODULE FAILURE</a> (Information and Entertainment System - Vehicles With: SYNC 4)
C0546:00	VIN Not Programmed or Incompatible: No Sub Type Information	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0001:09	High Speed CAN Communication Bus: Component Failures	<a href="#">AR: BUS OFF CONCERN</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0100:00	Lost Communication With ECM/PCM 'A': No Sub Type Information	<a href="#">AF: U0100 (ACM, TCU,..)</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0140:00	Lost Communication With Body Control Module: No Sub Type Information	<a href="#">AH: U0140 (ACM, DSP, TCU)</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0146:09	Lost Communication With Serial Data Gateway 'A': Component Failures	<a href="#">D: U0146:09</a> (Ethernet Module Communications Network)
U0151:00	Lost Communication With Restraints Control Module: No Sub Type Information	<a href="#">AJ: U0151 (TCU)</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0155:00	Lost Communication With Instrument Panel Cluster (IPC) Control Module: No Sub Type Information	<a href="#">AK: U0155 (ACM, DSP, TCU)</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0253:00	Lost Communication With Accessory Protocol Interface Module: No Sub Type Information	<a href="#">AO: U0253, U0257 (ACM, DSP, TCU)</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0300:00	Internal Control Module Software Incompatibility: No Sub Type Information	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0422:00	Invalid Data Received From Body Control Module: No Sub Type Information	<a href="#">AS: INVALID DATA RECEIVED</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0452:00	Invalid Data Received From Restraints Control Module: No Sub Type Information	<a href="#">AS: INVALID DATA RECEIVED</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U0554:00	Invalid Data Received From Accessory Protocol Interface Module: No Sub Type Information	<a href="#">AS: INVALID DATA RECEIVED</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U1A01:09	Communication Link: Component Failures	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U1A01:93	Communication Link: No Operation	<a href="#">AU: INTERNAL MODULE FAILURE</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U1A4B:52	Control Module Processor B: Not Activated	<a href="#">AU: INTERNAL MODULE FAILURE</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U2024:00	Control Module Cal-Config Data: No Sub Type Information	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U2100:00	Initial Configuration Not Complete: No Sub Type Information	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U2101:00	Control Module Configuration Incompatible: No Sub Type Information	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U2101:56	Control Module Configuration Incompatible: Invalid / Incompatible Configuration	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U2101:57	Control Module Configuration Incompatible: Invalid / Incompatible Software Component	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U211A:46	Trusted Real-Time Operational Network (TRON) Configuration: Calibration / Parameter Memory Failure	<a href="#">K: U211A:46</a> (Trusted Real-Time Operation Network (TRON))

U211B:05	Control Module Message Authentication: System Programming Failure	<a href="#">F: U211B:05, U211C:05, U35DA:00 OR U3035:00</a> (Trusted Real-Time Operation Network (TRON))
U211B:43	Control Module Message Authentication: Special Memory Failure	<a href="#">B: MODULE MESSAGE AUTHENTICATION CONCERN</a> (Trusted Real-Time Operation Network (TRON))
U211B:51	Control Module Message Authentication: Not Programmed	<a href="#">G: U211B:51, U3034, U211B:81, U35D9</a> (Trusted Real-Time Operation Network (TRON))
U211B:81	Control Module Message Authentication: Invalid Serial Data Received	<a href="#">G: U211B:51, U3034, U211B:81, U35D9</a> (Trusted Real-Time Operation Network (TRON))
U211B:87	Control Module Message Authentication: Missing Message	<a href="#">I: U211B:87</a> (Trusted Real-Time Operation Network (TRON))
U2200:00	Control Module Configuration Memory Corrupt: No Sub Type Information	<a href="#">AT: MODULE CONFIGURATION FAULT</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U3000:04	Control Module: System Internal Failure	<a href="#">AV: TCU DTC U3000:04</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U3000:09	Control Module: Component Failures	<a href="#">A: ETHERNET NETWORK FAILURE - MULTIPLE DIAGNOSTIC TROUBLE CODES</a> (Ethernet Module Communications Network)
U3000:09	Control Module: Component Failures	<a href="#">AU: INTERNAL MODULE FAILURE</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U3000:43	Control Module: Special Memory Failure	<a href="#">AU: INTERNAL MODULE FAILURE</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U3000:49	Control Module: Internal Electronic Failure	<a href="#">AU: INTERNAL MODULE FAILURE</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U3000:57	Control Module: Invalid / Incompatible Software Component	<a href="#">AW: APIM/TCU DTC U3000:57</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U3000:96	Control Module: Component Internal Failure	<a href="#">AU: INTERNAL MODULE FAILURE</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U3003:16	Battery Voltage: Circuit Voltage Below Threshold	<a href="#">AP: MODULE LOW VOLTAGE CONCERN (ACM, APIM, DSP, TCU)</a> (Information and Entertainment System - Vehicles With: SYNC 4)
U3003:17	Battery Voltage: Circuit Voltage Above Threshold	<a href="#">AQ: MODULE HIGH VOLTAGE CONCERN (ACM, APIM, DSP, TCU)</a> (Information and Entertainment System - Vehicles With: SYNC 4)

► [VDM \(vehicle dynamics control module\)](#)

► [WACM \(wireless accessory charging module\)](#)

