

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
SOBDMC	C055E:00	Brake Hydraulic Circuit "A" Leak: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C0560:00	Brake Pressure Sensor "A" Missing Calibration: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C0563:00	ABS Control Module Performance: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C0564:00	ABS Control Module System Voltage Low: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C0565:00	ABS Control Module System Voltage High: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C056A:00	Brake Booster Pressure Sensor Power Supply Circuit: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C056B:00	Brake Pressure Sensor "A" Intermittent/Erratic: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C0594:00	Brake Booster Motor "A" Performance: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C0596:00	Brake Booster Motor "A" Current Sensor Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C0597:00	Brake System Control Module "A" Performance: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C1013:00	Brake System Pressure: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C101F:00	Generic Valve Failure: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	C113A:62	Wakeup Control: Signal Compare Failure	GO to Pinpoint Test A
SOBDMC	P0560:00	System Voltage: No Sub Type Information	GO to Pinpoint Test BI
SOBDMC	P0562:00	System Voltage Low: No Sub Type Information	GO to Pinpoint Test BI
SOBDMC	P0563:00	System Voltage High: No Sub Type Information	GO to Pinpoint Test C
SOBDMC	P0600:49	Serial Communication Link: Internal Electronic Failure	GO to Pinpoint Test D
SOBDMC	P0600:88	Serial Communication Link: Bus Off	GO to Pinpoint Test D
SOBDMC	P0607:00	Control Module Performance: No Sub Type Information	GO to Pinpoint Test E
SOBDMC	P060A:44	Internal Control Module Monitoring Processor Performance: Data Memory Failure	GO to Pinpoint Test F
SOBDMC	P060A:47	Internal Control Module Monitoring Processor Performance: Watchdog/Safety $\hat{\mu}$ C Failure	GO to Pinpoint Test F
SOBDMC	P060A:86	Internal Control Module Monitoring Processor Performance: Signal Invalid	GO to Pinpoint Test D
SOBDMC	P060A:88	Internal Control Module Monitoring Processor Performance: Bus Off	GO to Pinpoint Test D
SOBDMC	P060B:47	Internal Control Module A/D Processing Performance: Watchdog/Safety $\hat{\mu}$ C Failure	GO to Pinpoint Test G
SOBDMC	P060B:62	Internal Control Module A/D Processing Performance: Signal Compare Failure	GO to Pinpoint Test G

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
SOBDMC	P060C:41	Internal Control Module Main Processor Performance: General Checksum Failure	GO to Pinpoint Test H
SOBDMC	P060C:42	Internal Control Module Main Processor Performance: General Memory Failure	GO to Pinpoint Test H
SOBDMC	P060C:44	Internal Control Module Main Processor Performance: Data Memory Failure	GO to Pinpoint Test H
SOBDMC	P060C:47	Internal Control Module Main Processor Performance: Watchdog/Safety μ C Failure	GO to Pinpoint Test H
SOBDMC	P0613:86	TCM Processor: Signal Invalid	GO to Pinpoint Test I
SOBDMC	P061A:92	Internal Control Module Torque Performance: Performance or Incorrect Operation	GO to Pinpoint Test BJ
SOBDMC	P061A:93	Internal Control Module Torque Performance: No Operation	GO to Pinpoint Test BJ
SOBDMC	P0634:00	Control Module Internal Temperature "A" Too High: No Sub Type Information	GO to Pinpoint Test J
SOBDMC	P064F:00	Unauthorized Software/Calibration Detected: No Sub Type Information	GO to Pinpoint Test K
SOBDMC	P06A6:00	Sensor Reference Voltage "A" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test B
SOBDMC	P06A7:00	Sensor Reference Voltage "B" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test B
SOBDMC	P06A9:00	Sensor Reference Voltage "D" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test L
SOBDMC	P06B1:00	Sensor Power Supply "A" Circuit Low: No Sub Type Information	GO to Pinpoint Test B
SOBDMC	P06B8:00	Internal Control Module Non- Volatile Random Access Memory (NVRAM) Error: No Sub Type Information	GO to Pinpoint Test M
SOBDMC	P0886:00	TCM Power Relay Control Circuit Low: No Sub Type Information	GO to Pinpoint Test N
SOBDMC	P0887:00	TCM Power Relay Control Circuit High: No Sub Type Information	GO to Pinpoint Test N
SOBDMC	P0A0A:13	High Voltage System Interlock Circuit "A": Circuit Open	GO to Pinpoint Test BK
SOBDMC	P0A1A:06	Generator Control Module: Algorithm Based Failures	GO to Pinpoint Test O
SOBDMC	P0A1D:08	Hybrid/EV Powertrain Control Module "A": Bus Signal/Message Failures	GO to Pinpoint Test P
SOBDMC	P0A23:00	Generator Torque Sensor Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test Q
SOBDMC	P0A2F:94	Drive Motor "A" Over Temperature: Unexpected Operation	GO to Pinpoint Test R
SOBDMC	P0A37:64	Generator Temperature Sensor Circuit Range/Performance: Signal Plausibility Failure	GO to Pinpoint Test S
SOBDMC	P0A38:00	Generator Temperature Sensor Circuit Low: No Sub Type Information	GO to Pinpoint Test S
SOBDMC	P0A39:00	Generator Temperature Sensor Circuit High: No Sub Type Information	GO to Pinpoint Test S
SOBDMC	P0A3C:94	Drive Motor "A" Inverter Over Temperature: Unexpected Operation	GO to Pinpoint Test T

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
SOBDMC	P0A47:00	Drive Motor "B" Position Sensor Circuit Low: No Sub Type Information	GO to Pinpoint Test U
SOBDMC	P0A4C:00	Generator Position Sensor Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test V
SOBDMC	P0A4D:00	Generator Position Sensor Circuit Low: No Sub Type Information	GO to Pinpoint Test W
SOBDMC	P0A50:92	Generator Position Sensor Circuit Overspeed: Performance Or Incorrect Operation	GO to Pinpoint Test X
SOBDMC	P0A6F:00	Generator Phase U Current: No Sub Type Information	GO to Pinpoint Test Y
SOBDMC	P0A71:00	Generator Phase U Current High: No Sub Type Information	GO to Pinpoint Test Z
SOBDMC	P0A72:00	Generator Phase V Current: No Sub Type Information	GO to Pinpoint Test Y
SOBDMC	P0A74:00	Generator Phase V Current High: No Sub Type Information	GO to Pinpoint Test Z
SOBDMC	P0A75:00	Generator Phase W Current: No Sub Type Information	GO to Pinpoint Test Y
SOBDMC	P0A77:00	Generator Phase W Current High: No Sub Type Information	GO to Pinpoint Test Z
SOBDMC	P0A7A:96	Generator Inverter Performance: Component Internal Failure	GO to Pinpoint Test AA
SOBDMC	P0BCD:00	Generator Inverter Temperature Sensor "A" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test AB
SOBDMC	P0BCE:00	Generator Inverter Temperature Sensor "A" Circuit Low: No Sub Type Information	GO to Pinpoint Test AC
SOBDMC	P0BCF:00	Generator Inverter Temperature Sensor "A" Circuit High: No Sub Type Information	GO to Pinpoint Test AC
SOBDMC	P0C03:00	Drive Motor "B" Current Low: No Sub Type Information	GO to Pinpoint Test AD
SOBDMC	P0C2F:62	Internal Control Module Drive Motor/Generator-Engine Speed Sensor Performance: Signal Compare Failure	GO to Pinpoint Test AE
SOBDMC	P0C2F:63	Internal Control Module Drive Motor/Generator-Engine Speed Sensor Performance: Circuit/Component Protection Time-Out	GO to Pinpoint Test AE
SOBDMC	P0C5A:00	Drive Motor "B" Position Sensor Circuit "A": No Sub Type Information	GO to Pinpoint Test AG
SOBDMC	P0C5C:00	Drive Motor "B" Position Sensor Circuit "A" Low: No Sub Type Information	GO to Pinpoint Test AG
SOBDMC	P0C5D:00	Drive Motor "B" Position Sensor Circuit "A" High: No Sub Type Information	GO to Pinpoint Test AG
SOBDMC	P0C5F:00	Drive Motor "B" Position Sensor Circuit "B": No Sub Type Information	GO to Pinpoint Test AI
SOBDMC	P0C61:00	Drive Motor "B" Position Sensor Circuit "B" Low: No Sub Type Information	GO to Pinpoint Test AI
SOBDMC	P0C62:00	Drive Motor "B" Position Sensor Circuit "B" High: No Sub Type Information	GO to Pinpoint Test AI
SOBDMC	P0C64:00	Generator Position Sensor Circuit A: No Sub Type Information	GO to Pinpoint Test U
SOBDMC	P0C65:00	Generator Position Sensor Circuit "A" Range/Performance: No Sub Type Information	GO to Pinpoint Test AF

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
SOBDMC	P0C66:00	Generator Position Sensor Circuit "A" Low: No Sub Type Information	GO to Pinpoint Test AG
SOBDMC	P0C67:00	Generator Position Sensor Circuit "A" High: No Sub Type Information	GO to Pinpoint Test AG
SOBDMC	P0C6A:00	Generator Position Sensor Circuit "B" Range/Performance: No Sub Type Information	GO to Pinpoint Test AH
SOBDMC	P0C6B:00	Generator Position Sensor Circuit "B" Low: No Sub Type Information	GO to Pinpoint Test AI
SOBDMC	P0C6C:00	Generator Position Sensor Circuit "B" High: No Sub Type Information	GO to Pinpoint Test AI
SOBDMC	P0C79:00	Drive Motor "A" Inverter Voltage Too High: No Sub Type Information	GO to Pinpoint Test AJ
SOBDMC	P0DA8:00	Hybrid/EV Battery Voltage/Drive Motor "A" Inverter Voltage Correlation: No Sub Type Information	GO to Pinpoint Test AK
SOBDMC	P0DFA:00	Generator Phase U-V-W Current Sensor Correlation: No Sub Type Information	GO to Pinpoint Test AL
SOBDMC	P0DFC:00	Generator Position Sensor Not Learned: No Sub Type Information	GO to Pinpoint Test AM
SOBDMC	P0E71:00	Generator Torque Delivered Performance: No Sub Type Information	GO to Pinpoint Test AN
SOBDMC	P1A07:00	Inverter High Voltage Performance: No Sub Type Information	GO to Pinpoint Test AO
SOBDMC	P1A0A:02	Immediate Shutdown Signal A: General Signal Failure	GO to Pinpoint Test AP
SOBDMC	P1A0E:61	Hybrid Powertrain Control Module - Motor Disabled: Signal Calculation Failure	GO to Pinpoint Test H
SOBDMC	P1A0E:62	Hybrid Powertrain Control Module - Motor Disabled: Signal Compare Failure	GO to Pinpoint Test AL
SOBDMC	P1A0E:64	Hybrid Powertrain Control Module - Motor Disabled: Signal Plausibility Failure	GO to Pinpoint Test AL
SOBDMC	P1A0E:96	Hybrid Powertrain Control Module - Motor Disabled: Component Internal Failure	GO to Pinpoint Test AL
SOBDMC	P2531:00	Ignition Switch Run Position Circuit Low: No Sub Type Information	GO to Pinpoint Test BH
SOBDMC	P2533:1F	Ignition Switch On/Start Position Circuit: Circuit Intermittent	GO to Pinpoint Test BH
SOBDMC	P2533:62	Ignition Switch On/Start Position Circuit: Signal Compare Failure	GO to Pinpoint Test AQ
SOBDMC	U0100:00	Lost Communication With ECM/PCM "A": No Sub Type Information	GO to Pinpoint Test AR
SOBDMC	U010F:00	Lost Communication With Air Conditioning Control Module: No Sub Type Information	GO to Pinpoint Test AS
SOBDMC	U0111:00	Lost Communication With Battery Energy Control Module "A": No Sub Type Information	GO to Pinpoint Test AT
SOBDMC	U0121:00	Lost Communication With Anti-Lock Brake System (ABS) Control Module "A": No Sub Type Information	GO to Pinpoint Test AU
SOBDMC	U0128:00	Lost Communication With Park Brake Control Module: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	U0140:00	Lost Communication With Body Control Module: No Sub Type Information	GO to Pinpoint Test AV

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
SOBDMC	U0143:00	Lost Communication With Body Control Module "C": No Sub Type Information	GO to Pinpoint Test AW
SOBDMC	U0151:00	Lost Communication With Restraints Control Module: No Sub Type Information	GO to Pinpoint Test AX
SOBDMC	U0155:00	Lost Communication With Instrument Panel Cluster (IPC) Control Module: No Sub Type Information	GO to Pinpoint Test AY
SOBDMC	U0164:00	Lost Communication With HVAC Control Module: No Sub Type Information	GO to Pinpoint Test AZ
SOBDMC	U016A:00	Lost Communication With Global Positioning System Module: No Sub Type Information	GO to Pinpoint Test BL
SOBDMC	U0198:00	Lost Communication With Telematic Control Module: No Sub Type Information	GO to Pinpoint Test BM
SOBDMC	U019B:00	Lost Communication With Battery Charger Control Module "A": No Sub Type Information	GO to Pinpoint Test BN
SOBDMC	U0253:87	Lost Communication With Accessory Protocol Interface Module: Missing Message	GO to Pinpoint Test BA
SOBDMC	U0298:00	Lost Communication With DC/DC Converter Control Module "A": No Sub Type Information	GO to Pinpoint Test BB
SOBDMC	U0315:00	Software Incompatibility with Anti-Lock Brake System (ABS) Control Module: No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	U063B:87	Lost Communication With Coolant Bypass Valve Actuator "A": Missing Message	GO to Pinpoint Test BO
SOBDMC	U0647:00	Lost Communication with Motor Electronics Coolant Pump "B": No Sub Type Information	GO to Pinpoint Test BP
SOBDMC	U069E:81	Lost Communication With Coolant Heater "A": Invalid Serial Data Received	GO to Pinpoint Test BQ
SOBDMC	U069E:87	Lost Communication With Coolant Heater "A": Missing Message	GO to Pinpoint Test BQ
SOBDMC	U1011:86	Invalid Internal Control Module Monitoring Data Received from ECM/PCM: Signal Invalid	GO to Pinpoint Test BC
SOBDMC	U1027:00	ABS Control Module Lost Communication With ECM/PCM "A": No Sub Type Information	GO to Pinpoint Test BG
SOBDMC	U2100:00	Initial Configuration Not Complete: No Sub Type Information	GO to Pinpoint Test BD
SOBDMC	U301B:00	Control Module Wake-up Circuit "A" Low: No Sub Type Information	GO to Pinpoint Test BE
SOBDMC	U351B:00	High Voltage System Interlock Circuit "D" Low: No Sub Type Information	GO to Pinpoint Test BF

Pinpoint Tests

☐ [PINPOINT TEST A : C113A](#)

☐ [PINPOINT TEST B : P06A6, P06A7, P06B1](#)

☐ [PINPOINT TEST C : P0563](#)

☐ [PINPOINT TEST D : P0600:49, P0600:88, P060A:86, P060A:88](#)

- ☐ [PINPOINT TEST E : P0607](#)
- ☐ [PINPOINT TEST F : P060A:44, P060A:47](#)
- ☐ [PINPOINT TEST G : P060B:47, P060B:62](#)
- ☐ [PINPOINT TEST H : P060C:41, P060C:42, P060C:44, P060C:47, P1A0E:61](#)
- ☐ [PINPOINT TEST I : P0613](#)
- ☐ [PINPOINT TEST J : P0634](#)
- ☐ [PINPOINT TEST K : P064F](#)
- ☐ [PINPOINT TEST L : P06A9](#)
- ☐ [PINPOINT TEST M : P06B8](#)
- ☐ [PINPOINT TEST N : P0886, P0887](#)
- ☐ [PINPOINT TEST O : P0A1A:06](#)
- ☐ [PINPOINT TEST P : P0A1D:08](#)
- ☐ [PINPOINT TEST Q : P0A23](#)
- ☐ [PINPOINT TEST R : P0A2F:94](#)
- ☐ [PINPOINT TEST S : P0A37:64, P0A38, P0A39](#)
- ☐ [PINPOINT TEST T : P0A3C:94](#)
- ☐ [PINPOINT TEST U : P0A47, P0C64](#)
- ☐ [PINPOINT TEST V : P0A4C](#)
- ☐ [PINPOINT TEST W : P0A4D](#)
- ☐ [PINPOINT TEST X : P0A50:92](#)
- ☐ [PINPOINT TEST Y : P0A6F, P0A72, P0A75](#)

- ☐ [PINPOINT TEST Z : P0A71, P0A74, P0A77](#)
- ☐ [PINPOINT TEST AA : P0A7A:96](#)
- ☐ [PINPOINT TEST AB : P0BCD](#)
- ☐ [PINPOINT TEST AC : P0BCE, P0BCF](#)
- ☐ [PINPOINT TEST AD : P0C03](#)
- ☐ [PINPOINT TEST AE : P0C2F:62, P0C2F:63](#)
- ☐ [PINPOINT TEST AF : P0C65](#)
- ☐ [PINPOINT TEST AG : P0C5A, P0C5C, P0C5D, P0C66, P0C67](#)
- ☐ [PINPOINT TEST AH : P0C6A](#)
- ☐ [PINPOINT TEST AI : P0C5F, P0C61, P0C62, P0C6B, P0C6C](#)
- ☐ [PINPOINT TEST AJ : P0C79](#)
- ☐ [PINPOINT TEST AK : P0DA8](#)
- ☐ [PINPOINT TEST AL : P0DFA:00, P1A0E:62, P1A0E:64, P1A0E:96](#)
- ☐ [PINPOINT TEST AM : P0DFC](#)
- ☐ [PINPOINT TEST AN : P0E71](#)
- ☐ [PINPOINT TEST AO : P1A07](#)
- ☐ [PINPOINT TEST AP : P1A0A:02](#)
- ☐ [PINPOINT TEST AQ : P2533:62](#)
- ☐ [PINPOINT TEST AR : U0100](#)
- ☐ [PINPOINT TEST AS : U010F](#)
- ☐ [PINPOINT TEST AT : U0111](#)
- ☐ [PINPOINT TEST AU : U0121](#)

- ☐ [PINPOINT TEST AV : U0140](#)
- ☐ [PINPOINT TEST AW : U0143](#)
- ☐ [PINPOINT TEST AX : U0151](#)
- ☐ [PINPOINT TEST AY : U0155](#)
- ☐ [PINPOINT TEST AZ : U0164](#)
- ☐ [PINPOINT TEST BA : U0253](#)
- ☐ [PINPOINT TEST BB : U0298](#)
- ☐ [PINPOINT TEST BC : U1011:86](#)
- ☐ [PINPOINT TEST BD : U2100](#)
- ☐ [PINPOINT TEST BE : U301B](#)
- ☐ [PINPOINT TEST BF : U351B](#)
- ☐ [PINPOINT TEST BG : ABS \(ANTI-LOCK BRAKE SYSTEM\) MODULE CONCERNS](#)
- ☐ [PINPOINT TEST BH : P2531:00, P2533:1F](#)
- ☐ [PINPOINT TEST BI : P0560, P0562](#)
- ☐ [PINPOINT TEST BJ : P061A:92, P061A:93](#)
- ☐ [PINPOINT TEST BK : P0A0A:13](#)
- ☐ [PINPOINT TEST BL : U016A:00](#)
- ☐ [PINPOINT TEST BM : U0198](#)
- ☐ [PINPOINT TEST BN : U019B](#)
- ☐ [PINPOINT TEST BO : U063B](#)
- ☐ [PINPOINT TEST BP : U0647](#)
- ☐ [PINPOINT TEST BQ : U069E:81, U069E:87](#)

mcx30.com

Removal and Installation

mcx30.com

High Voltage Battery Coolant Temperature Sensor

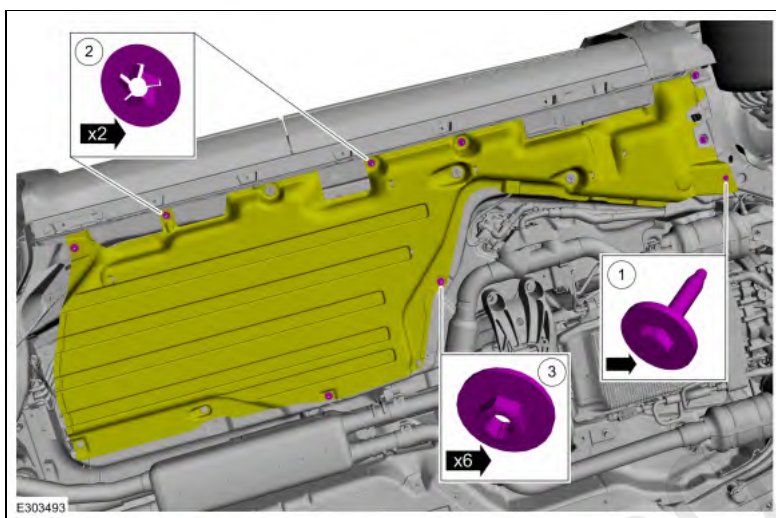
Removal

1. **NOTE:** Removal steps in this procedure may contain installation details.

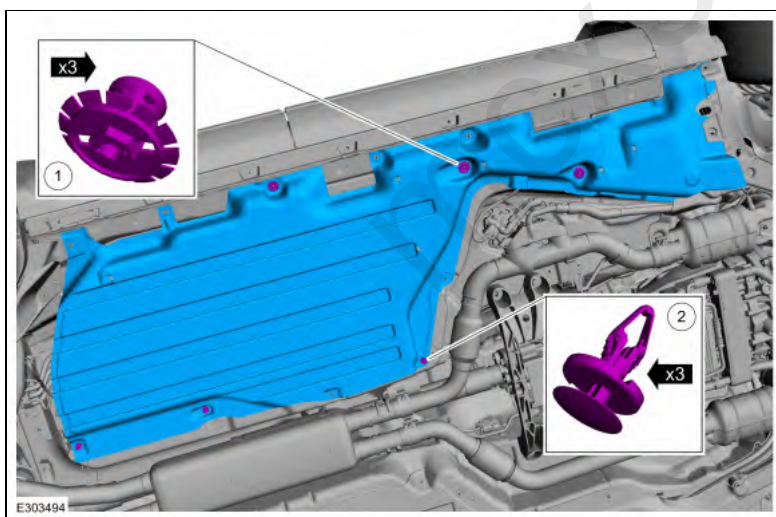
Drain the Electric Powertrain Cooling System.

Refer to: Cooling System Filling and Bleeding (303-03E Electric Powertrain Cooling - 3.3L Duratec-V6 â€“ Hybrid (BP), General Procedures).

2.
 - Remove the retainers..
Torque: 22 lb.in (2.5 Nm)
 - Remove the retainers.
 - Remove the nuts.
Torque: 55 lb.in (6.2 Nm)



3. Remove the retainers and the RH splash shield.



4. Disconnect the electrical connector. Remove the clip and the high voltage battery coolant temperature sensor.