

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
SCMG	B146F:00	Back Bladder System Electropneumatic Failure:No Sub Type Information	GO to Pinpoint Test L
SCMG	B146F:04	Back Bladder System Electropneumatic Failure:System Internal Failures	GO to Pinpoint Test L
SCMG	B1470:00	Cushion Bladder System Electropneumatic Failure:No Sub Type Information	GO to Pinpoint Test L
SCMG	B1470:04	Cushion Bladder System Electropneumatic Failure:System Internal Failures	GO to Pinpoint Test L
SCMG	B1471:11	Multi-Contour Seat Switch Input:Circuit Short To Ground	GO to Pinpoint Test L
SCMG	B1471:13	Multi-Contour Seat Switch Input:Circuit Open	GO to Pinpoint Test L
SCMG	B1471:2A	Multi-Contour Seat Switch Input:Stuck in Range	GO to Pinpoint Test L
SCMG	B1473:11	Pump Driver:Circuit Short To Ground	GO to Pinpoint Test L
SCMG	U0140:00	Lost Communication With Body Control Module:No Sub Type Information	GO to Pinpoint Test Z
SCMG	U0208:00	Lost Communication With "Seat Control Module A":No Sub Type Information	GO to Pinpoint Test AA
SCMG	U0253:00	Lost Communication With Accessory Protocol Interface Module:No Sub Type Information	GO to Pinpoint Test AC
SCMG	U0256:00	Lost Communication With Front Controls Interface Module "A":No Sub Type Information	GO to Pinpoint Test AD
SCMG	U0422:00	Invalid Data Received From Body Control Module:No Sub Type Information	GO to Pinpoint Test AE
SCMG	U0455:00	Invalid Data Received From Restraints Occupant Classification System Module:No Sub Type Information	GO to Pinpoint Test AF
SCMG	U1000:00	Solid State Driver Protection Active -Driver Disabled:No Sub Type Information	GO to Pinpoint Test AN
SCMG	U2100:00	Initial Configuration Not Complete:No Sub Type Information	GO to Pinpoint Test AO
SCMG	U3000:49	Control Module:Internal Electronic Failure	GO to Pinpoint Test AP
SCMH	B146F:00	Back Bladder System Electropneumatic Failure:No Sub Type Information	GO to Pinpoint Test M
SCMH	B146F:04	Back Bladder System Electropneumatic Failure:System Internal Failures	GO to Pinpoint Test M
SCMH	B1470:00	Cushion Bladder System Electropneumatic Failure:No Sub Type Information	GO to Pinpoint Test M
SCMH	B1470:04	Cushion Bladder System Electropneumatic Failure:System Internal Failures	GO to Pinpoint Test M
SCMH	B1471:11	Multi-Contour Seat Switch Input:Circuit Short To Ground	GO to Pinpoint Test M
SCMH	B1471:13	Multi-Contour Seat Switch Input:Circuit Open	GO to Pinpoint Test M
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SCMH	U024B:00	Lost Communication with Seat Control Module "G":No Sub Type Information	GO to Pinpoint Test AB
SCMH	U0253:00	Lost Communication With Accessory Protocol Interface Module:No Sub Type Information	GO to Pinpoint Test AC
SCMH	U0256:00	Lost Communication With Front Controls Interface Module "A":No Sub Type Information	GO to Pinpoint Test AD
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SCMH	U2100:00	Initial Configuration Not Complete:No Sub Type Information	GO to Pinpoint Test AO
SCMH	U3000:49	Control Module:Internal Electronic Failure	GO to Pinpoint Test AP

Symptom Chart(s)

Symptom Chart: Front Seats

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
No communication with the DDM	Refer to the Pinpoint Test	REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).
No communication with the DSM	Refer to the Pinpoint Test	REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).
No communication with the HVAC module	Refer to the Pinpoint Test	REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).
No communication with the SCME	Refer to the Pinpoint Test	REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).

Condition	Possible Sources	Actions
No communication with the SCMG	Refer to the Pinpoint Test	REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).
No communication with the SCMH	Refer to the Pinpoint Test	REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).
The power seat is inoperative or does not operate correctly â€” driver, 6-way	Refer to the Pinpoint Test	GO to Pinpoint Test A
The power seat is inoperative or does not operate correctly â€” passenger, 6-way	Refer to the Pinpoint Test	GO to Pinpoint Test B
The power seat is inoperative or does not operate correctly â€” driver, 8-way	Refer to the Pinpoint Test	GO to Pinpoint Test C
The power seat is inoperative or does not operate correctly â€” driver, 10-way, without memory	Refer to the Pinpoint Test	GO to Pinpoint Test D
The power seat is inoperative or does not operate correctly â€” passenger, 10-way	Refer to the Pinpoint Test	GO to Pinpoint Test E
The power lumbar is inoperative â€” driver, without multi-contour seats	Refer to the Pinpoint Test	GO to Pinpoint Test F
The power lumbar is inoperative â€” passenger, without multi-contour seats	Refer to the Pinpoint Test	GO to Pinpoint Test G
An individual multi-contour seat function is inoperative from the seat control switch â€” touchscreen control operates correctly	Seat control switch	GO to Pinpoint Test AQ
The memory seat does not operate horizontally/vertically/recline using the seat control switch	Refer to the Pinpoint Test	GO to Pinpoint Test H
The memory seat does not operate using the memory SET switch	Refer to the Pinpoint Test	GO to Pinpoint Test I
The memory seat does not move to the correct memory position	Refer to the Pinpoint Test	GO to Pinpoint Test AR
The memory seat does not operate when using the RKE transmitter	Refer to the Pinpoint Test	GO to Pinpoint Test AS
Easy entry/easy exit is inoperative/does not operate correctly	- Easy entry/exit feature is not enabled - Refer to the Pinpoint Test	GO to Pinpoint Test J
The multi-contour seat is inoperative/does not operate correctly â€” driver	Refer to the Pinpoint Test	GO to Pinpoint Test L
The multi-contour seat is inoperative/does not operate correctly â€” passenger	Refer to the Pinpoint Test	GO to Pinpoint Test M

Condition	Possible Sources	Actions
Both heated seats are inoperative without heated/ventilated seats	Refer to the Pinpoint Test	GO to Pinpoint Test N
The left heated seat is inoperative without heated/ventilated seats	Refer to the Pinpoint Test	GO to Pinpoint Test O
The right heated seat is inoperative without heated/ventilated seats	Refer to the Pinpoint Test	GO to Pinpoint Test P
Both heated seats are inoperative with heated/ventilated seats	Refer to the Pinpoint Test	GO to Pinpoint Test Q
The left heated seat is inoperative with heated/ventilated seats	Refer to the Pinpoint Test	GO to Pinpoint Test R
The right heated seat is inoperative with heated/ventilated seats	Refer to the Pinpoint Test	GO to Pinpoint Test S
Both heated/ventilated seats are inoperative	Refer to the Pinpoint Test	GO to Pinpoint Test T
The driver heated/ventilated seat is inoperative/does not operate correctly	Refer to the Pinpoint Test	GO to Pinpoint Test U
The passenger heated/ventilated seat is inoperative/does not operate correctly	Refer to the Pinpoint Test	GO to Pinpoint Test V

Pinpoint Test(s)

☐ [PINPOINT TEST A : THE POWER SEAT IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY without DRIVER, 6-WAY](#)

☐ [PINPOINT TEST B : THE POWER SEAT IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY without PASSENGER, 6-WAY](#)

☐ [PINPOINT TEST C : THE POWER SEAT IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY without DRIVER, 8-WAY](#)

☐ [PINPOINT TEST D : THE POWER SEAT IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY without DRIVER, 10-WAY, WITHOUT MEMORY](#)

☐ [PINPOINT TEST E : THE POWER SEAT IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY without PASSENGER, 10-WAY](#)

☐ [PINPOINT TEST F : THE POWER LUMBAR IS INOPERATIVE without DRIVER, WITHOUT MULTI-CONTOUR SEATS](#)

☐ [PINPOINT TEST G : THE POWER LUMBAR IS INOPERATIVE without PASSENGER, WITHOUT MULTI-CONTOUR SEATS](#)

☐ [PINPOINT TEST H : THE MEMORY SEAT DOES NOT OPERATE HORIZONTALLY/VERTICALLY/RECLINE USING THE SEAT CONTROL SWITCH](#)

- ☐ PINPOINT TEST I : THE MEMORY SEAT DOES NOT OPERATE USING THE MEMORY SET SWITCH
- ☐ PINPOINT TEST J : EASY ENTRY/EASY EXIT IS INOPERATIVE/DOES NOT OPERATE CORRECTLY
- ☐ PINPOINT TEST K : DTC: U0140:00
- ☐ PINPOINT TEST L : THE MULTI-CONTOUR SEAT IS INOPERATIVE/ DOES NOT OPERATE CORRECTLY â€” DRIVER
- ☐ PINPOINT TEST M : THE MULTI-CONTOUR SEAT IS INOPERATIVE/ DOES NOT OPERATE CORRECTLY â€” PASSENGER
- ☐ PINPOINT TEST N : BOTH HEATED SEATS ARE INOPERATIVE â€” WITHOUT HEATED/VENTILATED SEATS
- ☐ PINPOINT TEST O : THE LEFT HEATED SEAT IS INOPERATIVE â€” WITHOUT HEATED/VENTILATED SEATS
- ☐ PINPOINT TEST P : THE RIGHT HEATED SEAT IS INOPERATIVE â€” WITHOUT HEATED/VENTILATED SEATS
- ☐ PINPOINT TEST Q : BOTH HEATED SEATS ARE INOPERATIVE â€” WITH HEATED/VENTILATED SEATS
- ☐ PINPOINT TEST R : THE LEFT HEATED SEAT IS INOPERATIVE â€” WITH HEATED/VENTILATED SEATS
- ☐ PINPOINT TEST S : THE RIGHT HEATED SEAT IS INOPERATIVE â€” WITH HEATED/VENTILATED SEATS
- ☐ PINPOINT TEST T : BOTH HEATED/VENTILATED SEATS ARE INOPERATIVE
- ☐ PINPOINT TEST U : THE DRIVER HEATED/VENTILATED SEAT IS INOPERATIVE/DOES NOT OPERATE CORRECTLY
- ☐ PINPOINT TEST V : THE PASSENGER HEATED/VENTILATED SEAT IS INOPERATIVE/DOES NOT OPERATE CORRECTLY
- ☐ PINPOINT TEST W : DTC: U0100:00
- ☐ PINPOINT TEST X : DTC: U0140:00
- ☐ PINPOINT TEST Y : DTC: U0257:00
- ☐ PINPOINT TEST Z : DTC: U0140:00
- ☐ PINPOINT TEST AA : DTC: U0208:00
- ☐ PINPOINT TEST AB : DTC: U024B:00

☐ PINPOINT TEST AC : DTC: U0253:00

☐ PINPOINT TEST AD : DTC: U0256:00

☐ PINPOINT TEST AE : DTC: U0422:00

☐ PINPOINT TEST AF : DTC: U0455:00

☐ PINPOINT TEST AG : DTC: U0199:00

☐ PINPOINT TEST AH : DTC: U0253:00

☐ PINPOINT TEST AI : DTC: U3500:17

☐ PINPOINT TEST AJ : DTC: U2100:00

☐ PINPOINT TEST AK : DTC: U3000:49

☐ PINPOINT TEST AL : DTC: U1000:00

☐ PINPOINT TEST AM : DTC: U2100:00

☐ PINPOINT TEST AN : DTC: U1000:00

☐ PINPOINT TEST AO : DTC: U2100:00

☐ PINPOINT TEST AP : DTC: U3000:49

☐ PINPOINT TEST AQ : AN INDIVIDUAL MULTI-CONTOUR SEAT FUNCTION IS INOPERATIVE FROM THE SEAT CONTROL SWITCH – TOUCHSCREEN CONTROL OPERATES CORRECTLY

☐ PINPOINT TEST AR : THE MEMORY SEAT DOES NOT MOVE TO THE CORRECT MEMORY POSITION

☐ PINPOINT TEST AS : THE MEMORY SEAT DOES NOT OPERATE WHEN USING THE RKE (REMOTE KEYLESS ENTRY) TRANSMITTER

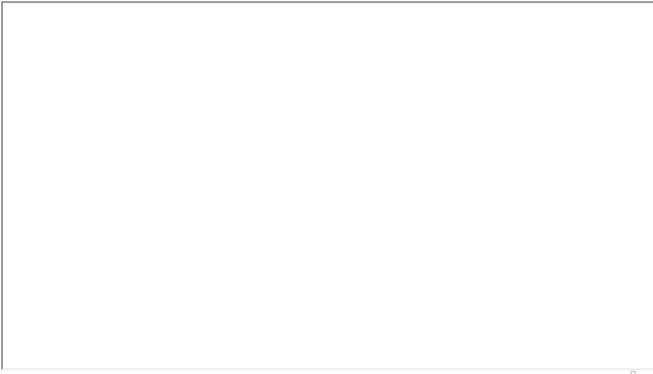
General Procedures

Seat Heater Mat Installation

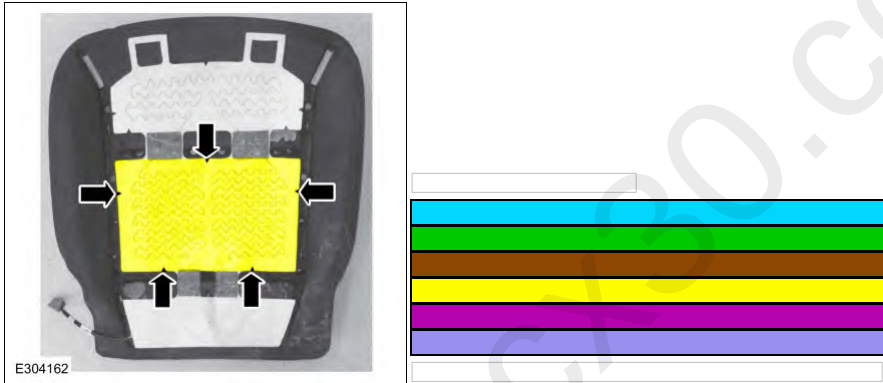
Repair

NOTE: Click here to view a video version of the seat heater mat removal and installation.

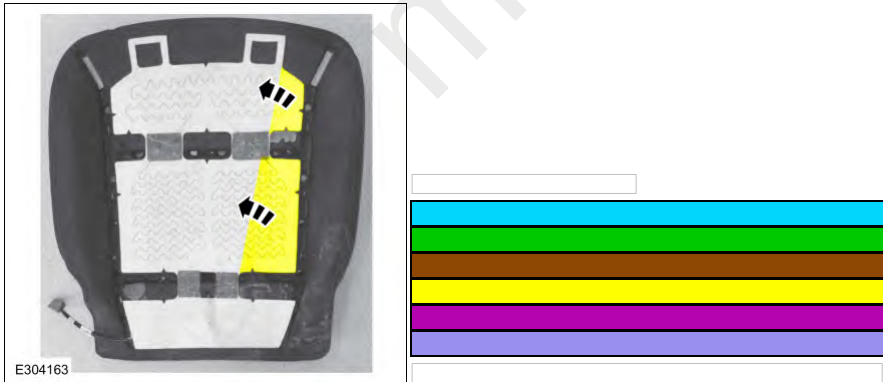
View



- NOTE:** Always install a new heater mat.
- NOTE:** During installation, it is allowable to adhere a new heater mat to any adhesive left behind on the foam.
- NOTE:** During installation, make sure the heater mat doesn't have any folds or creases that the customer may feel when sitting in the seat.
- NOTE:** Typical seat cushion foam and heater mat shown, other seat cushion/backrest foam and heater mats are similar.
1. Position the heater mat onto the foam so that the center section of the heater mat aligns to the center section of the foam.
 - Find the locator marks in the foam and ensure the heater mat aligns to them as closely as possible.



2. Turn the RH upper and middle sections of the heater mat over to the other side to expose the adhesive paper overlay.



3. Remove the heater mat adhesive paper overlay.