

ATTENTION:

- GENERAL MANAGER
- PARTS MANAGER
- CLAIMS PERSONNEL
- SERVICE MANAGER

IMPORTANT - All Service Personnel Should Read and Initial in the boxes provided, right.

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QUALITY DRIVEN® SERVICE

SERVICE INFORMATION BULLETIN

APPLICABILITY: 2019-22MY Crosstrek

NUMBER: 18-225-24

SUBJECT: DTC B145C Heat Pump ECU Communication / Service Manual Correction

DATE: 09/19/24

INTRODUCTION:

This Service Information Bulletin announces the diagnostic procedures to be followed when diagnosing DTC B145C (Heat Pump ECU Communication). The current procedure for DTC B145C is incorrect. Use the information outlined in this bulletin when diagnosing DTB B145C.

SERVICE PROCEDURE / INFORMATION:

The current diagnostic information has the reverse workflow. Listed below, is a section of the current Service Manual with the corrections outlined in RED. This information will be added to the Service Manual in the future. This information is to be used in conjunction with the current Service Manual.

AIR CONDITIONER(DIAGNOSTICS)(HEV) > Diagnostic Procedure with Diagnostic Trouble Code (DTC)
DTC B145C HEAT PUMP ECU COMMUNICATION

1. CHECK CONNECTOR.

no → Perform the instructed procedures.

yes ↓

2. CHECK HARNESS (OPEN CIRCUIT).

yes → Perform the instructed procedures.

no → Perform the instructed procedures.

Wiring diagram:
Air conditioning system [Ref. to WIRING SYSTEM\(CROSSTREK MODEL\(HEV\)\)>Air Conditioning System>WIRING DIAGRAM.](#)

Click the image to see the enlarged image.

2. CHECK HARNESS (OPEN CIRCUIT).

1. Disconnect the A/C control panel connector.
2. Using a tester, check the continuity between the A/C control panel connector and heat pump CM connector.

Connector & terminal
(i181) No. 21 — (i365) No. 11:

Is there continuity?

Yes Repair or replace the open circuit of harness.

No Replace the heat pump CM. [Ref. to AIR CONDITIONER\(HEV\)>Control Unit.](#)

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2. CHECK HARNESS (OPEN CIRCUIT).

1. Disconnect the A/C control panel connector.
2. Using a tester, check the continuity between the A/C control panel connector and heat pump CM connector.

Connector & terminal
(i181) No. 21 — (i365) No. 11:

Is there continuity?

Yes Replace the Heat Pump Control Unit.

No Repair or replace the open circuit of the harness.

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<p>CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.</p> <p>Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.</p>	<p style="text-align: center;">Subaru of America, Inc. is ISO 14001 Compliant</p> <p>ISO 14001 is the international standard for excellence in Environmental Management Systems. Please recycle or dispose of automotive products in a manner that is friendly to our environment and in accordance with all local, state and federal laws and regulations.</p>
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IMPORTANT REMINDERS:

- SOA strongly discourages the printing and/or local storage of service information as previously released information and electronic publications may be updated at any time.
- Always check for any open recalls or campaigns anytime a vehicle is in for servicing.
- Always refer to STIS for the latest service information before performing any repairs.