

18. Wiper Deicer System

A: WIRING DIAGRAM

<Ref. to WI-121, WIRING DIAGRAM, Wiper Deicer System.>

B: INSPECTION

1. SYSTEM INSPECTION

NOTE:

The wiper deicer operates with the rear window defogger at the same time.

Symptoms	Repair order
Wiper deicer does not operate.	1. Check the fuse. 2. Check the wiper deicer relay. 3. Check the rear defogger switch. 4. Check the heat wire. 5. Check the wiring harness. 6. Check body integrated unit.

NOTE:

Wiper deicer system can be customized on the Subaru Select Monitor, when the body integrated unit customize setting {A/C ECM setting} is “support”. (Auto A/C model)

System name	Initial setting	Customize setting
Wiper deicer op. mode	OFF after 15 min.	Continuous operation*

*: When one of the following conditions occurs, continuous operation is suspended and turned off after 15 minutes.

- Ambient temperature at 5°C (41°F) or more continues for 10 seconds.
- Malfunction occurs on ambient sensor.
- Vehicle speed of 15 km/h (9 MPH) or less continues 15 minutes. (OFF when conditions are met)
- Malfunction occurs in CAN communication.
- Battery voltage (10 V or less) continues for 30 seconds.

2. CHECK WITH SUBARU SELECT MONITOR

CAUTION:

Before performing the inspection, check the following settings.

- Is the “wiperdeicer” setting “support”? If “no support”, set to “support” using customize setting.
- “Wiper deicer op. mode” setting → Initial setting or customize setting

1) Check the input signal when the rear window defogger switch is operated using Subaru Select Monitor.

(1) Prepare the Subaru Select Monitor. <Ref. to GW-6, PREPARATION TOOL, General Description.>

(2) Turn the ignition switch to ON (engine OFF) and run the “PC application for Subaru Select Monitor”.

(3) On «System Selection Menu» display, select {Integ. unit mode}.

(4) Select the {Wiper deicer output} on {Current Data Display & Save}.

(5) Check the displayed data (ON/OFF) by operating the rear window defogger switch.

2) Check the operation with rear window defogger switch ON.

- When customize setting is “Continuous”, it is normal if the operation lasts without any termination conditions.

- When customize setting is «Normal», it is normal if the operation lasts for 15 minutes and then turns OFF.

3) When the operation in 2) above fails, replace the body integrated unit.

3. HEAT WIRE INSPECTION

Refer to “HEAT WIRE INSPECTION” of “Rear Window Defogger”. <Ref. to GW-27, HEAT WIRE INSPECTION, INSPECTION, Rear Window Defogger.>

C: REPAIR

Refer to “REPAIR” of “Rear Window Defogger”. <Ref. to GW-28, REPAIR, Rear Window Defogger.>

BODY STRUCTURE

BS

	Page
1. General Description	2

