

## 19. Wiper Deicer System

### A: WIRING DIAGRAM

Refer to “Wiper Deicer System” in WI section. <Ref. to WI-101, WIRING DIAGRAM, Wiper Deicer System.>

### B: INSPECTION

NOTE:

- The wiper deicer does not operate when the ambient temperature becomes 5°C (41°F) or more.
- The wiper deicer operates with the rear window defogger at the same time.
- It is possible to perform a forced operation if you keep holding the rear window defogger switch for 3 seconds or more.

### 1. SYSTEM INSPECTION

Symptoms	Inspection order
Wiper deicer does not operate.	<ol style="list-style-type: none"> <li>1. Check the fuse.</li> <li>2. Check the wiper deicer relay.</li> <li>3. Check the rear defogger switch.</li> <li>4. Check the heat wire.</li> <li>5. Check the wiring harness.</li> <li>6. Check body integrated unit.</li> </ol>

NOTE:

- Wiper deicer system can be customized using the Subaru Select Monitor, when the customize setting {With/Without A/C ECM} of the body integrated unit is set to With. (auto A/C model)
- Set the system using the Rr defogger op. mode, and setting will be the same as rear defogger system setting.

System name	Initial setting	Customize setting
Rear defogger operation 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 remains at 10 V or less 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.
- “Rr defogger 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-7, 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} from the {Current Data Display & Save}.

(5) Operate the rear window defogger switch to check the displayed data (ON/OFF).

2) Check the operation when the rear window defogger switch is ON.

- When the customize setting is “Continuous”, the continuous operation without any termination conditions is correct.

- When the customize setting is “Normal”, the cycle of 15-minute operation then OFF is correct.

3) If the correct operation as described in the above 2) is not carried out, replace the body integrated unit.

### 3. HEAT WIRE INSPECTION

Refer to the heat wire inspection procedure of rear window defogger system. <Ref. to GW-30, HEAT WIRE INSPECTION, INSPECTION, Rear Window Defogger System.>

NOTE:

Heat wire inspection needs removing/installing procedure of instrument panel assembly.

### C: REPAIR

Refer to the REPAIR of Rear Window Defogger System. <Ref. to GW-31, REPAIR, Rear Window Defogger System.>

NOTE:

Heat wire repair needs removing/installing procedure of instrument panel assembly.

# BODY STRUCTURE

***BS***

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