

21. Wiper Deicer System

A: WIRING DIAGRAM

Refer to "Wiper Deicer System" in the wiring diagram. <Ref. to WI-230, Wiper Deicer System.>

B: INSPECTION

1. CHECK SYSTEM

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.

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

NOTE:

- Wiper deicer system can be customized using the Subaru Select Monitor, when the customize setting {A/C ECM setting} of the body integrated unit is set to With.
- 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 |
|----------------------|-------------------|-----------------------|
| Rr Defogger 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 remains at 10 V or less for 30 seconds.

2. CHECK WITH SUBARU SELECT MONITOR

CAUTION:

Before performing the inspection, check the following settings.

- Wiper deicer 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} 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 set as "Continuous", it is normal if the 15-minute operation and 2-minute stop repeats.
 - 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 the heat wire inspection procedure of rear window defogger system. <Ref. to GW-52, 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-54, REPAIR, Rear Window Defogger System.>

NOTE:

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

Wiper Deicer System

GLASS/WINDOWS/MIRRORS

BODY STRUCTURE

BS

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