

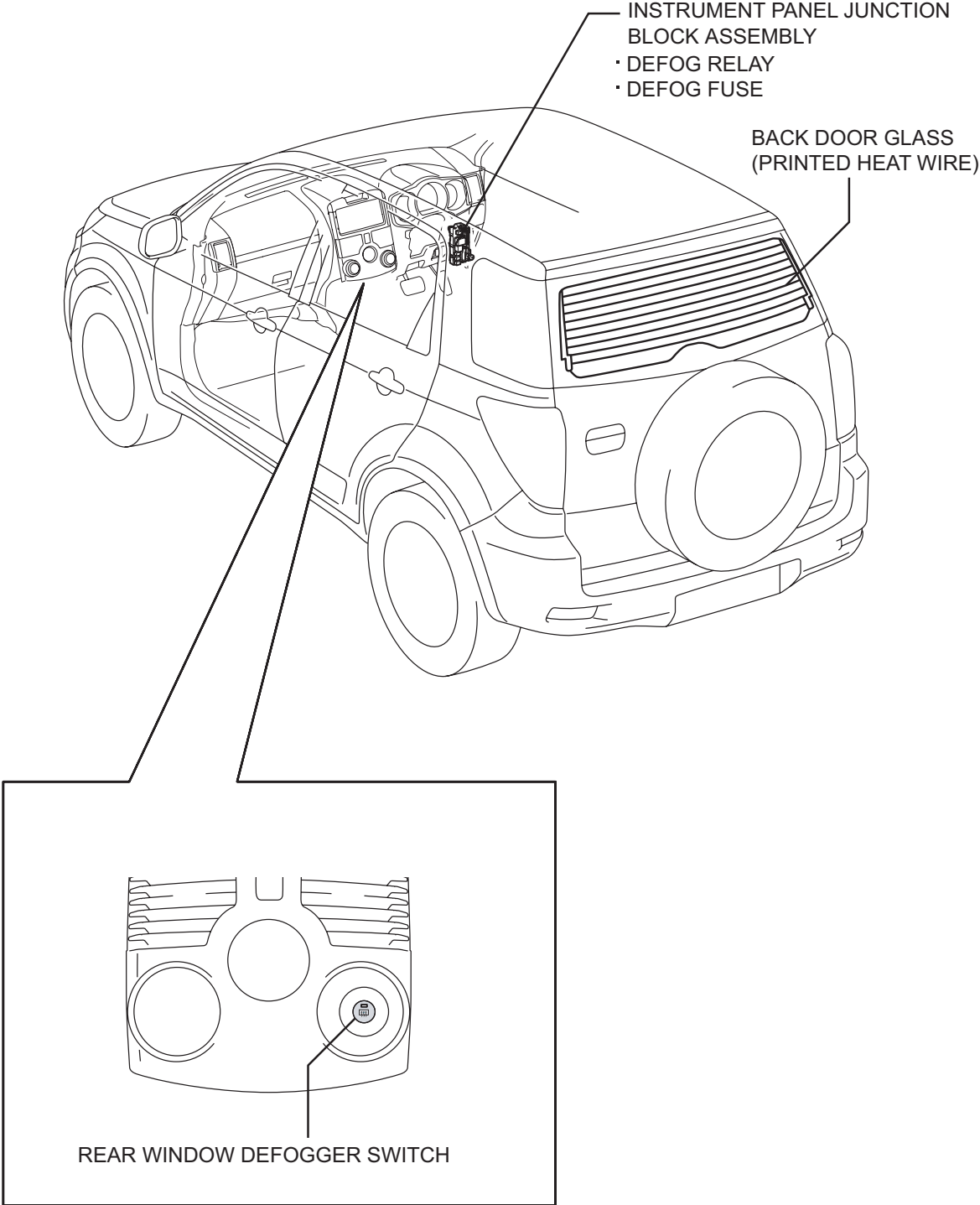
REAR WINDOW DEFOGGER SYSTEM

OPERATION CHECK

1. **CHECK REAR WINDOW DEFOGGER OPERATION**
 - (a) Turn the ignition switch to the ON position.
 - (b) Check that when the rear window defogger switch is pressed, the indicator illuminates and the rear window defogger switch starts to warm up.
 - (c) Check that the indicator light turns off after about 15 minutes, and the rear window defogger stops operation.

WS

LOCATION



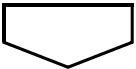
WS

PROBLEM SYMPTOMS TABLE

Symptom	Suspected Area	See Page
Rear window defogger system does not operate	Go to relevant flowchart (REAR WINDOW DEFOGGER DOES NOT OPERATE)	WS-42

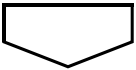
HOW TO PROCEED WITH TROUBLE-SHOOTING

1 VEHICLE BROUGHT TO WORKSHOP



2 CONDUCT CUSTOMER PROBLEM ANALYSIS AND CHECK SYMPTOMS

HINT:
See page WS-41.

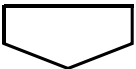


3 PROBLEM SYMPTOMS TABLE

HINT:
See page WS-39.



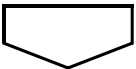
RELATED TO PROBLEM SYMPTOM (GO TO STEP 5)



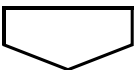
NOT RELATED TO PROBLEM SYMPTOM (GO TO STEP 4)

4 TROUBLESHOOT BASED ON THE SYMPTOM

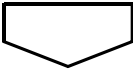
(a) CHECK FUNCTION (See page WS-37.)



5 ADJUST, REPAIR OR REPLACE



6	CONFIRMATION TEST
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END

CUSTOMER PROBLEM ANALYSIS CHECK

Rear Window Defogger System			Date Vehicle Brought In / /	
Customer's Name		License Plate No.	First Registered Year 20__ / /	
		Model	VIN	
Written By	Inspector's Name	Engine Type	Odometer Reading km / mile	
Description Of Symptoms				
Date Problem First Occured		Date	Time	
Frequency Problem Occurs		Constant Occasional (__times per day, __times per month)		
Conditions (Method of use and results)				
Weather	Clear Cloudy Rainy Snowy Others()		Temperature	Approx. () °C / °F
Road	City Suburbs Highway Others ()		Paved Unpaved	
Problem Symptoms	☐ Rear window defogger does not operate			
	☐ Others			
Condition Returns To Normal		☐ IG ON ☐ Engine starting ☐ () SW operation		
Conditions When Problem Occurs	Present Not present	☐ IG OFF ON ☐ () SW operation ☐ Others ()		

WS

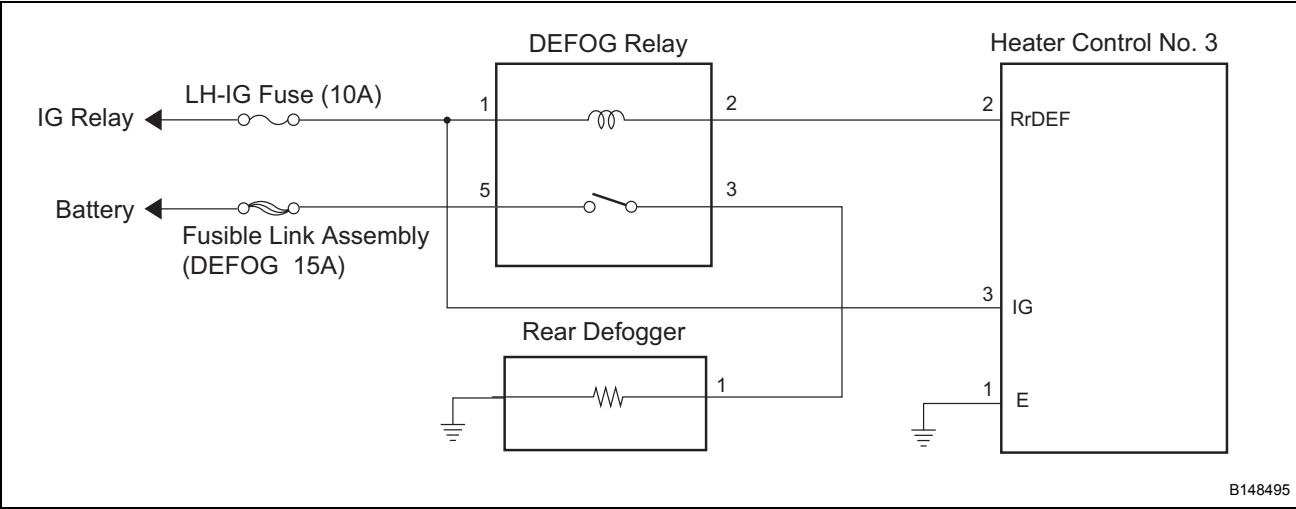
REAR WINDOW DEFOGGER DOES NOT OPERATE

DESCRIPTION

The rear window defogger is activated by operating the rear window defogger switch on the instrument cluster finish panel CTR while the ignition switch is in the ON position.

The rear window defogger is controlled by heater control No. 3. When the switch ON signal is received, the DEFOG relay operates for 15 minutes. Also, the DEFOG relay operation stops if the switch OFF signal is received within 15 minutes.

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

1

CHECK FUSE (LH-IG, FUSIBLE LINK ASSEMBLY [DEFOG])

- (a) Make sure that the LH - IG fuse or the fusible link assembly (DEFOG) is not burned out.

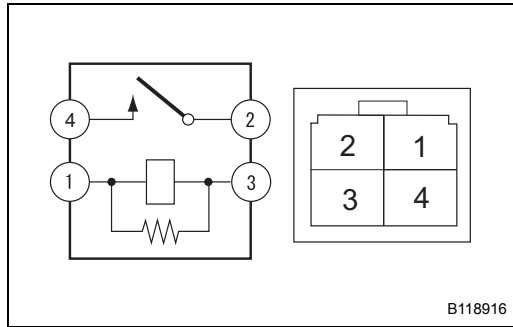
OK

NG

REPLACE FUSES

2

CHECK DEFOG RELAY



- (a) Remove the DEICER relay.
- (b) Using the electrical tester, check the continuity between the each of terminals.

Standard:

Terminal No.	Standard
1↔2	Continuity
3↔5	No continuity

- (c) Apply battery voltage between terminal 1 and 2 of the connector.
- (d) Using the electrical tester, check the continuity between the each of terminals.

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REPLACE DEFOG RELAY

OK

3

CHECK BACK DOOR GLASS (REAR DEFOGGER AREA)

- (a) Using the electrical tester, check the continuity between terminal 1 of the power source side connector of the rear defogger and terminal 1 of the body ground side connector.

Standard:

Continuity

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REPAIR BACK WINDOW GLASS (HEATER ELEMENT LINES)

OK

4

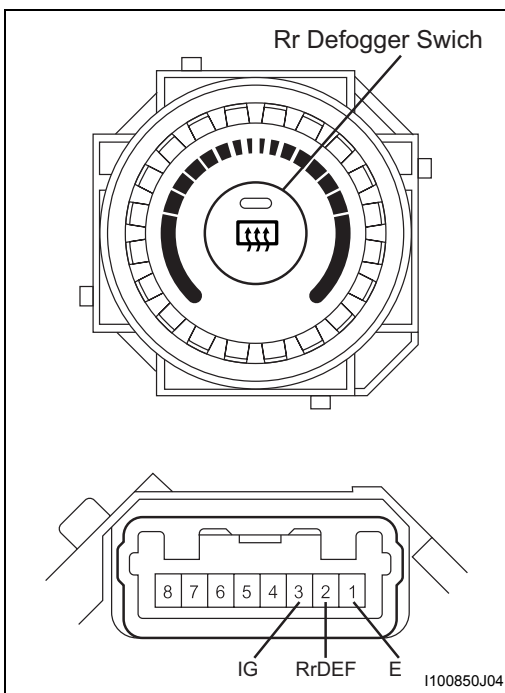
CHECK REAR DEFOGGER SWITCH

- (a) Using the electrical tester, check the continuity between the terminals of the connector of the heater control No. 3.

Terminal No.	Measurement Condition	Continuity
3 (IG) ↔ 1 (E)	Rr DEF switch OFF	None
3 (IG) ↔ 1 (E)	Rr DEF switch ON	Continuity
3 (IG) ↔ 2 (Rr DEF)	Rr DEF switch OFF	None
3 (IG) ↔ 2 (Rr DEF)	Rr DEF switch ON	Continuity

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REPLACE REAR DEFOGGER SWITCH



OK

REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR

WS

