

SECTION **DEF**  
**DEFOGGER**

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# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

#### Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000011134857

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes dual stage front air bag modules. The SRS system may only deploy one front air bag, depending on the severity of a collision and whether the front passenger seat is occupied. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

#### **WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

#### PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

#### **WARNING:**

- When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery and wait at least three minutes before performing any service.

#### Handling for Adhesive and Primer

INFOID:000000011134858

- Do not use an adhesive which is past its usable date. Shelf life of this product is limited to six months after the date of manufacture. Carefully adhere to the expiration or manufacture date printed on the box.
- Keep primers and adhesive in a cool, dry place. Ideally, they should be stored in a refrigerator.
- Open the seal of the primer and adhesive just before application. Discard the remainder.
- Before application, be sure to shake the primer container to stir the contents. If any floating material is found, do not use it.
- If any primer or adhesive contacts the skin, wipe it off with gasoline or equivalent and wash the skin with soap.
- When using primer and adhesive, always observe the precautions in the instruction manual.

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# COMPONENT PARTS

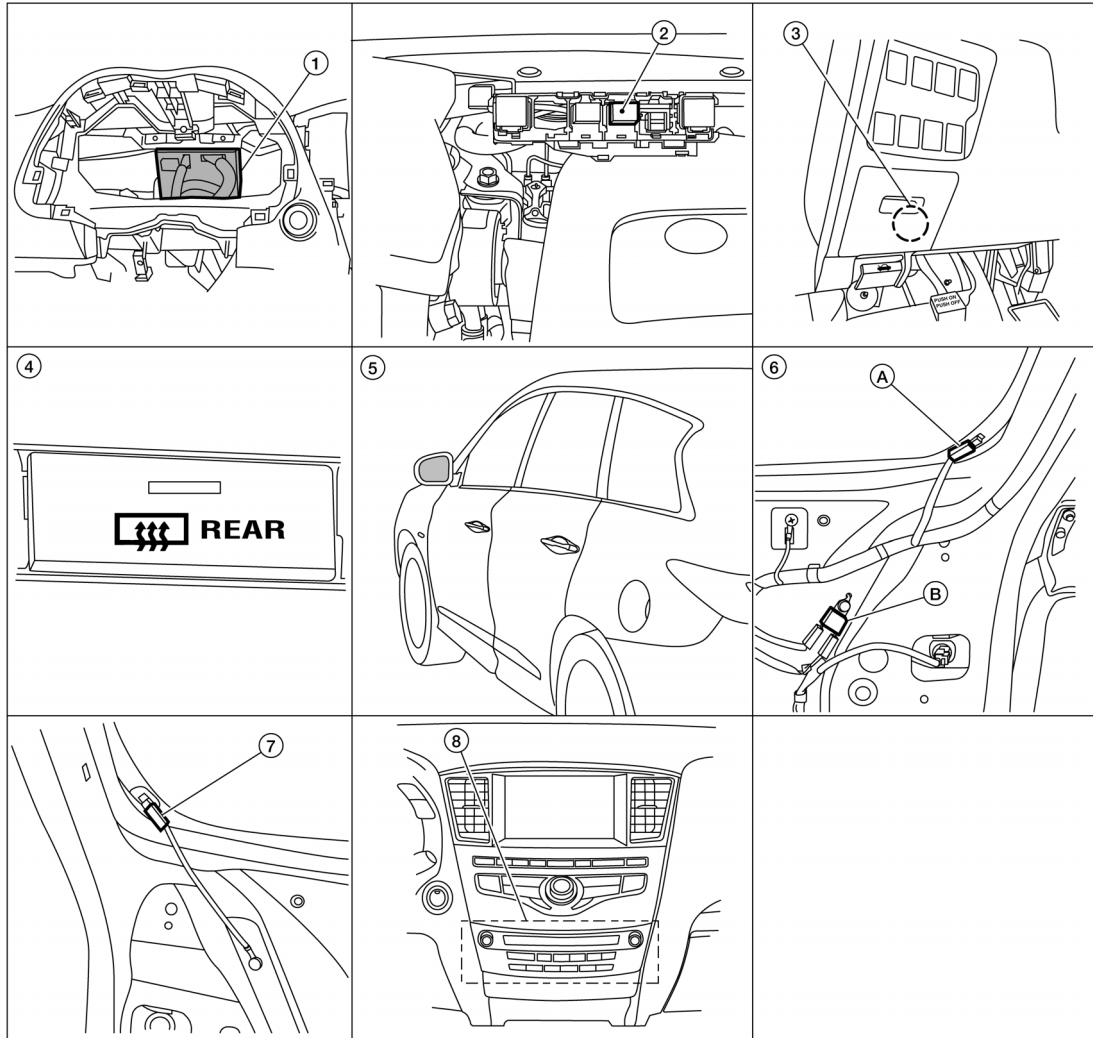
< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### Component Parts Location

INFOID:000000011134859



ALLIA10792Z

- |   |  |  |
|---|--|--|
| 1. BCM (view with instrument panel removed)                                     | 2. Accessory relay-2                               | 3. Fuse block (J/B) (Rear window defogger relay)   |
| 4. A/C and AV switch assembly (rear window defogger switch)                     | 5. Door mirror (door mirror defogger) (RH similar) | 6. A. Rear window defogger power connector<br>B. Rear window defogger condenser (view with back door finisher removed) |
| 7. Rear window defogger ground connector (view with back door finisher removed) | 8. AV control unit                                 |  |

# COMPONENT PARTS

< SYSTEM DESCRIPTION >

## Component Description

INFOID:000000011134860

| Component  | Description   |
|--|---|
| AV control unit  | <ul style="list-style-type: none"> <li>AV control unit transmits A/C switch operation signal to the BCM via CAN communication line.</li> </ul>  |
| BCM  | <ul style="list-style-type: none"> <li>Operates the rear window defogger relay with the operation of rear window defogger switch.</li> <li>Performs the timer control of rear window defogger.</li> </ul> |
| Rear window defogger relay                               | <ul style="list-style-type: none"> <li>Operates the rear window defogger and the door mirror defogger with the control signal from BCM.</li> </ul>  |
| A/C and AV switch assembly (rear window defogger switch) | <ul style="list-style-type: none"> <li>Transmits rear window defogger switch ON signal.</li> <li>Turns the indicator lamp ON when detecting the operation of rear window defogger.</li> </ul>             |
| Rear window defogger                                     | <ul style="list-style-type: none"> <li>Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.</li> </ul>                            |
| Door mirror defogger                                     | <ul style="list-style-type: none"> <li>Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.</li> </ul>                            |

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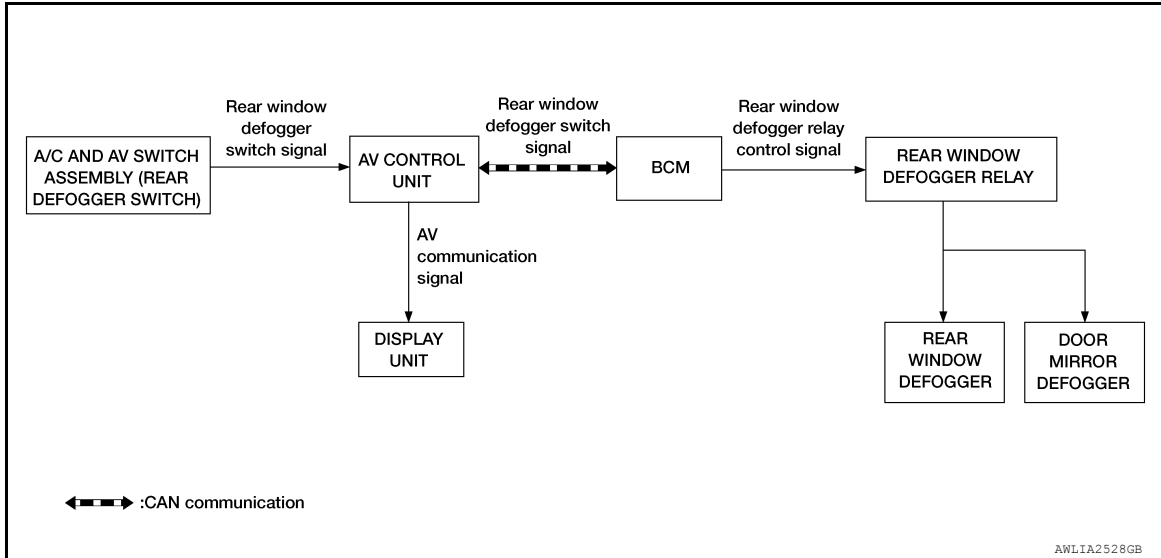
# SYSTEM

< SYSTEM DESCRIPTION >

## SYSTEM

### System Diagram

INFOID:000000011134861



### System Description

INFOID:000000011134862

#### Operation Description

- When rear window defogger switch is turned ON while ignition switch is ON, the A/C and AV switch assembly transmits rear window defogger switch signal to BCM.
- BCM turns rear window defogger relay ON when rear window defogger switch signal is received.
- Rear window defogger and door mirror defogger are supplied with power and operate when rear window defogger relay turns ON.
- BCM transmits rear window defogger control signal to A/C and AV switch assembly when rear window defogger operates.
- Rear window defogger ON is displayed when signal is received.
- BCM transmits rear window defogger control signal to AV control unit via CAN communication when rear window defogger operates.

#### Timer function

- BCM turns rear window defogger relay ON for approximately 15 minutes when rear window defogger switch is turned ON while ignition switch is ON. It makes rear window defogger and door mirror defogger (with door mirror defogger) operate.
- Timer is canceled after pressing rear window defogger switch again during timer operation. Then BCM turns rear window defogger relay OFF. The same reaction also occurs during timer operation, if the ignition switch is turned OFF.

### INPUT/OUTPUT SIGNAL CHART

| Switch                      | Input signal to BCM    | BCM function  | Actuator                                     |
|-----------------------------|------------------------|---|--|
| Rear window defogger switch | Defogger switch signal | Rear window defogger and door mirror defogger control | Rear window defogger<br>Door mirror defogger |
| Push button ignition switch | Ignition signal        |   |  |

# DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (BCM)

### COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000011545334

#### CAUTION:

After disconnecting the CONSULT vehicle interface (VI) from the data link connector, the ignition must be cycled OFF → ON (for at least 5 seconds) → OFF. If this step is not performed, the BCM may not go to "sleep mode", potentially causing a discharged battery and a no-start condition.

### APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

| Direct Diagnostic Mode | Description  |
|------------------------|--|
| Ecu Identification     | The BCM part number is displayed.  |
| Self Diagnostic Result | The BCM self diagnostic results are displayed.   |
| Data Monitor           | The BCM input/output data is displayed in real time.   |
| Active Test            | The BCM activates outputs to test components.  |
| Work support           | The settings for BCM functions can be changed.   |
| Configuration          | <ul style="list-style-type: none"> <li>The vehicle specification can be read and saved.</li> <li>The vehicle specification can be written when replacing BCM.</li> </ul> |
| CAN Diag Support Mntr  | The result of transmit/receive diagnosis of CAN communication is displayed.  |

### SYSTEM APPLICATION

BCM can perform the following functions.

| System                               | Sub System      | Direct Diagnostic Mode |                        |              |             |              |               |                       |
|--------------------------------------|-----------------|------------------------|------------------------|--------------|-------------|--------------|---------------|-----------------------|
|                                      |                 | Ecu Identification     | Self Diagnostic Result | Data Monitor | Active Test | Work support | Configuration | CAN Diag Support Mntr |
| Door lock                            | DOOR LOCK       |                        | ×                      | ×            | ×           | ×            |               |                       |
| Rear window defogger                 | REAR DEFOGGER   |                        |                        | ×            | ×           | ×            |               |                       |
| Warning chime                        | BUZZER          |                        |                        | ×            | ×           |              |               |                       |
| Interior room lamp timer             | INT LAMP        |                        |                        | ×            | ×           | ×            |               |                       |
| Exterior lamp                        | HEADLAMP        |                        |                        | ×            | ×           | ×            |               |                       |
| Wiper and washer                     | WIPER           |                        |                        | ×            | ×           | ×            |               |                       |
| Turn signal and hazard warning lamps | FLASHER         |                        |                        | ×            | ×           |              |               |                       |
| Air conditioner                      | AIR CONDITIONER |                        |                        | ×            |             |              |               |                       |
| Intelligent Key system               | INTELLIGENT KEY |                        | ×                      | ×            | ×           | ×            |               |                       |
| Combination switch                   | COMB SW         |                        |                        | ×            |             |              |               |                       |
| BCM                                  | BCM             | ×                      | ×                      |              |             | ×            | ×             | ×                     |
| Immobilizer                          | IMMU            |                        | ×                      | ×            | ×           |              |               |                       |
| Interior room lamp battery saver     | BATTERY SAVER   |                        |                        | ×            | ×           |              |               |                       |
| Back door open                       | TRUNK           |                        |                        | ×            |             |              |               |                       |
| Vehicle security system              | THEFT ALM       |                        |                        | ×            | ×           | ×            |               |                       |
| RAP system                           | RETAINED PWR    |                        |                        | ×            |             |              |               |                       |

# DIAGNOSIS SYSTEM (BCM)

## < SYSTEM DESCRIPTION >

| System               | Sub System           | Direct Diagnostic Mode |                        |              |             |              |               |                       |
|----------------------|----------------------|------------------------|------------------------|--------------|-------------|--------------|---------------|-----------------------|
|                      |                      | Ecu Identification     | Self Diagnostic Result | Data Monitor | Active Test | Work support | Configuration | CAN Diag Support Mntr |
| Signal buffer system | SIGNAL BUFFER        |                        |                        | ×            |             |              |               |                       |
| TPMS                 | AIR PRESSURE MONITOR |                        | ×                      | ×            | ×           | ×            |               |                       |

## REAR DEFOGGER

### REAR DEFOGGER : CONSULT Function (BCM - REAR DEFOGGER)

INFOID:000000011545335

#### **CAUTION:**

**After disconnecting the CONSULT vehicle interface (VI) from the data link connector, the ignition must be cycled OFF → ON (for at least 5 seconds) → OFF. If this step is not performed, the BCM may not go to "sleep mode", potentially causing a discharged battery and a no-start condition.**

## DATA MONITOR

| Monitor Item [Unit]  | Description   |
|----------------------|---|
| PUSH SW [On/Off]     | Indicates condition of push-button ignition switch. |
| REAR DEF SW [On/Off] | Indicates condition of rear window defogger switch. |

## ACTIVE TEST

| Test Item     | Description   |
|---------------|---|
| REAR DEFOGGER | This test is able to check rear window defogger operation [Off/On]. |

## WORK SUPPORT

| Support Item    | Setting | Description                                |
|-----------------|---------|--|
| SET R-DEF TIMER | MODE3   | Rear defogger turns OFF after 1 minute.    |
|                 | MODE2   | Rear defogger remains ON until turned OFF. |
|                 | MODE1*  | Rear defogger turns OFF after 15 minutes.  |

\* : Initial setting



# BCM

< ECU DIAGNOSIS INFORMATION >

## ECU DIAGNOSIS INFORMATION

BCM

List of ECU Reference

INFOID:0000000011134865

| ECU | Reference   |
|-----|---|
| BCM | <a href="#">BCS-29. "Reference Value"</a>               |
|     | <a href="#">BCS-49. "Fail Safe"</a>                     |
|     | <a href="#">BCS-49. "DTC Inspection Priority Chart"</a> |
|     | <a href="#">BCS-51. "DTC Index"</a>                     |

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# REAR WINDOW DEFOGGER SYSTEM

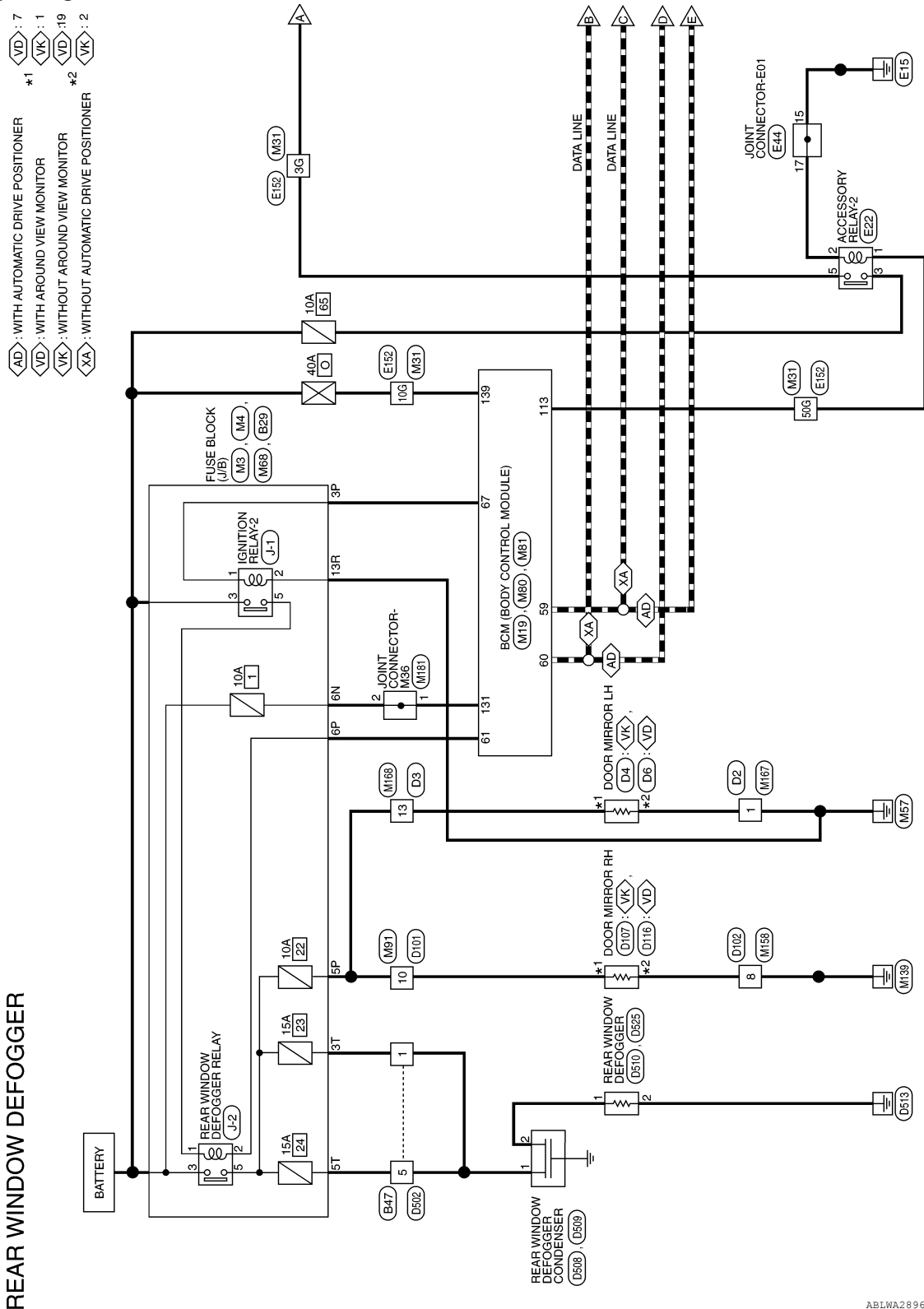
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## WIRING DIAGRAM

### REAR WINDOW DEFOGGER SYSTEM

#### Wiring Diagram

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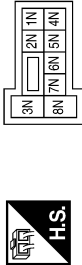


# REAR WINDOW DEFOGGER SYSTEM

< WIRING DIAGRAM >

## REAR WINDOW DEFOGGER CONNECTORS

|                 |                  |
|-----------------|------------------|
| Connector No.   | M3               |
| Connector Name  | FUSE BLOCK (J/B) |
| Connector Color | WHITE            |



|                 |                  |
|-----------------|------------------|
| Connector No.   | M4               |
| Connector Name  | FUSE BLOCK (J/B) |
| Connector Color | WHITE            |

| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 6N           | W             | -           |

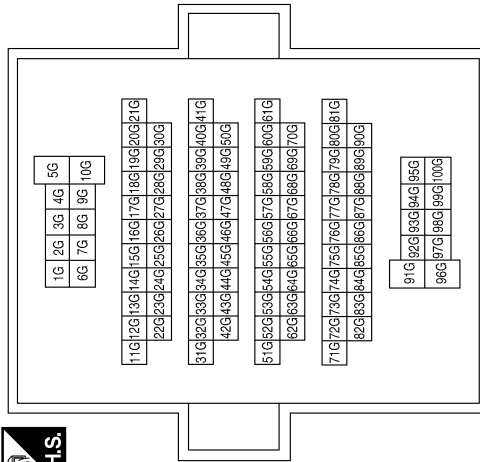
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 3P           | G             | -           |
| 5P           | P             | -           |
| 6P           | BG            | -           |

|                 |                           |
|-----------------|---------------------------|
| Connector No.   | M19                       |
| Connector Name  | BCM (BODY CONTROL MODULE) |
| Connector Color | BLACK                     |



| Terminal No. | Color of Wire | Signal Name             |
|--------------|---------------|-------------------------|
| 59           | P             | CAN-L                   |
| 60           | L             | CAN-H                   |
| 61           | BG            | REAR DEFOGGER RELAY OUT |
| 67           | G             | IGN ELEC RELAY OUT 2    |

|                 |              |
|-----------------|--------------|
| Connector No.   | M31          |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 3G           | P             | -           |
| 10G          | W             | -           |
| 50G          | L             | -           |

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# REAR WINDOW DEFOGGER SYSTEM

< WIRING DIAGRAM >

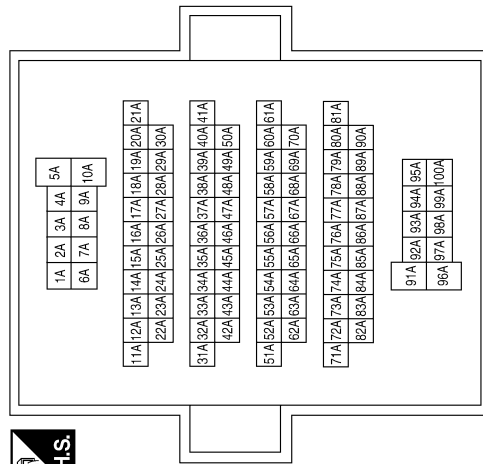
|                 |                     |
|-----------------|---------------------|
| Connector No.   | M41                 |
| Connector Name  | JOINT CONNECTOR-M18 |
| Connector Color | WHITE               |



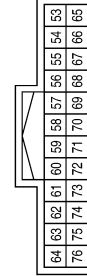
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | P             | -           |
| 2            | P             | -           |

| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 89A          | L             | -           |
| 90A          | P             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | M40          |
| Connector Name  | WIRE TO WIRE |
| Connector Color | GRAY         |



|                 |  |
|-----------------|--|
| Connector No.   | M45                                      |
| Connector Name  | AV CONTROL UNIT (WITH BASE AUDIO SYSTEM) |
| Connector Color | WHITE                                    |



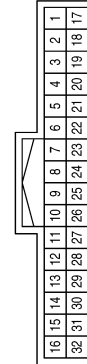
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 61           | B             | DISP IT     |
| 72           | SHIELD        | SHIELD      |
| 73           | W             | IT DISP     |

|                 |                     |
|-----------------|---------------------|
| Connector No.   | M43                 |
| Connector Name  | JOINT CONNECTOR-M17 |
| Connector Color | WHITE               |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | L             | -           |
| 2            | L             | -           |

|                 |  |
|-----------------|--|
| Connector No.   | M42                                      |
| Connector Name  | AV CONTROL UNIT (WITH BASE AUDIO SYSTEM) |
| Connector Color | WHITE                                    |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 11           | L             | CAN-H       |
| 12           | P             | CAN-L       |
| 13           | SB            | M-CAN1 H    |
| 14           | LG            | M-CAN1 L    |


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# REAR WINDOW DEFOGGER SYSTEM

< WIRING DIAGRAM >


|                 |                           |
|-----------------|---------------------------|
| Connector No.   | M81                       |
| Connector Name  | BCM (BODY CONTROL MODULE) |
| Connector Color | WHITE                     |



|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 137 | 136 | 135 | 34  | 133 | 132 | 131 | 130 | 129 |
| 143 | 142 | 141 | 140 | 139 | 138 |     |     |     |

|              |               |               |
|--------------|---------------|---------------|
| Terminal No. | Color of Wire | Signal Name   |
| 131          | W             | BAT BCM FUSE  |
| 139          | W             | BAT POWER F/L |

|                 |                           |
|-----------------|---------------------------|
| Connector No.   | M80                       |
| Connector Name  | BCM (BODY CONTROL MODULE) |
| Connector Color | BLACK                     |



|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 116 | 115 | 114 | 113 | 112 | 111 | 110 | 109 | 108 | 107 | 106 | 105 |
| 128 | 127 | 126 | 125 | 124 | 123 | 122 | 121 | 120 | 119 | 118 | 117 |

|              |               |               |
|--------------|---------------|---------------|
| Terminal No. | Color of Wire | Signal Name   |
| 113          | L             | ACC RELAY OUT |


|                 |                  |
|-----------------|------------------|
| Connector No.   | M68              |
| Connector Name  | FUSE BLOCK (J/B) |
| Connector Color | BROWN            |



|     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| 178 | 168 | 158 | 148 | 138 | 128 | 118 | 108 | 98 | 88 |
| 38  | 28  | 18  |     |     |     |     |     |    |    |

|              |               |             |
|--------------|---------------|-------------|
| Terminal No. | Color of Wire | Signal Name |
| 13R          | GR            | -           |


|                 |                          |
|-----------------|--------------------------|
| Connector No.   | M92                      |
| Connector Name  | DISPLAY UNIT (WITH NAVI) |
| Connector Color | WHITE                    |



|    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 12 | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  |
| 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 |

|              |               |               |
|--------------|---------------|---------------|
| Terminal No. | Color of Wire | Signal Name   |
| 9            | B             | FRONT DISP IT |
| 10           | W             | IT FRONT DISP |
| 22           | SHIELD        | SHIELD        |


|                 |              |
|-----------------|--------------|
| Connector No.   | M91          |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

|              |               |             |
|--------------|---------------|-------------|
| Terminal No. | Color of Wire | Signal Name |
| 10           | P             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | M84          |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  |
| 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 |


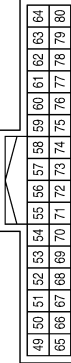
|              |               |             |
|--------------|---------------|-------------|
| Terminal No. | Color of Wire | Signal Name |
| 17           | L             | -           |
| 18           | P             | -           |

ABLIA4922GB

# REAR WINDOW DEFOGGER SYSTEM

< WIRING DIAGRAM >

|                 |  |
|-----------------|--|
| Connector No.   | M124   |
| Connector Name  | AV CONTROL UNIT (WITH BOSE AUDIO SYSTEM - WITH NAVI WITHOUT SURROUND SOUND SYSTEM) |
| Connector Color | WHITE  |


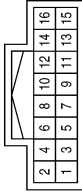
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 61           | W             | IT DISP     |
| 62           | P             | CAN-L       |
| 63           | LG            | M-CAN L     |
| 76           | SHIELD        | DISP SHIELD |
| 77           | B             | DISP IT     |
| 78           | L             | CAN-H       |
| 79           | SB            | M-CAN H     |

|                 |              |
|-----------------|--------------|
| Connector No.   | M167         |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |






| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | B             | -           |

|                 |                            |
|-----------------|----------------------------|
| Connector No.   | M98                        |
| Connector Name  | A/C AND AV SWITCH ASSEMBLY |
| Connector Color | WHITE                      |

| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | GR            | -           |
| 3            | P             | -           |
| 6            | SB            | -           |
| 8            | LG            | -           |

|                 |  |
|-----------------|--|
| Connector No.   | M163   |
| Connector Name  | AV CONTROL UNIT (WITH BOSE AUDIO SYSTEM - WITH NAVI AND SURROUND SOUND SYSTEM) |
| Connector Color | WHITE  |

| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 61           | W             | IT DISP     |
| 62           | P             | CAN-L       |
| 63           | LG            | M-CAN L     |
| 76           | SHIELD        | DISP SHIELD |
| 77           | B             | DISP IT     |
| 78           | L             | CAN-H       |
| 79           | SB            | M-CAN H     |

|                 |                             |
|-----------------|-----------------------------|
| Connector No.   | M93                         |
| Connector Name  | DISPLAY UNIT (WITHOUT NAVI) |
| Connector Color | WHITE                       |




| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 11           | W             | UART IN     |
| 22           | B             | UART OUT    |
| 23           | SHIELD        | UART GND    |

|                 |              |
|-----------------|--------------|
| Connector No.   | M158         |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |




| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 8            | GR            | -           |

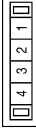
ABLIA4923GB

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# REAR WINDOW DEFOGGER SYSTEM

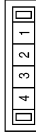
< WIRING DIAGRAM >

|                 |                     |
|-----------------|---------------------|
| Connector No.   | M177                |
| Connector Name  | JOINT CONNECTOR-M57 |
| Connector Color | WHITE               |



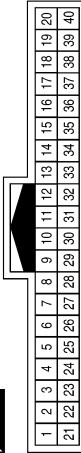
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | LG            | -           |
| 2            | LG            | -           |

|                 |                     |
|-----------------|---------------------|
| Connector No.   | M176                |
| Connector Name  | JOINT CONNECTOR-M56 |
| Connector Color | WHITE               |



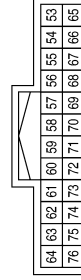
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | SB            | -           |
| 2            | SB            | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | M168         |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



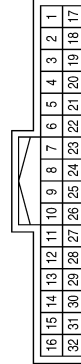
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 13           | P             | -           |

|                 |   |
|-----------------|---|
| Connector No.   | M194  |
| Connector Name  | AV CONTROL UNIT (WITH BOSE AUDIO SYSTEM WITHOUT NAVI) |
| Connector Color | WHITE   |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 61           | B             | DISP IT     |
| 72           | SHIELD        | SHIELD      |
| 73           | W             | IT DISP     |

|                 |   |
|-----------------|---|
| Connector No.   | M192  |
| Connector Name  | AV CONTROL UNIT (WITH BOSE AUDIO SYSTEM WITHOUT NAVI) |
| Connector Color | WHITE   |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 11           | L             | CAN-H       |
| 12           | P             | CAN-L       |
| 13           | SB            | M-CAN1 H    |
| 14           | LG            | M-CAN1 L    |

|                 |                     |
|-----------------|---------------------|
| Connector No.   | M181                |
| Connector Name  | JOINT CONNECTOR-M36 |
| Connector Color | WHITE               |



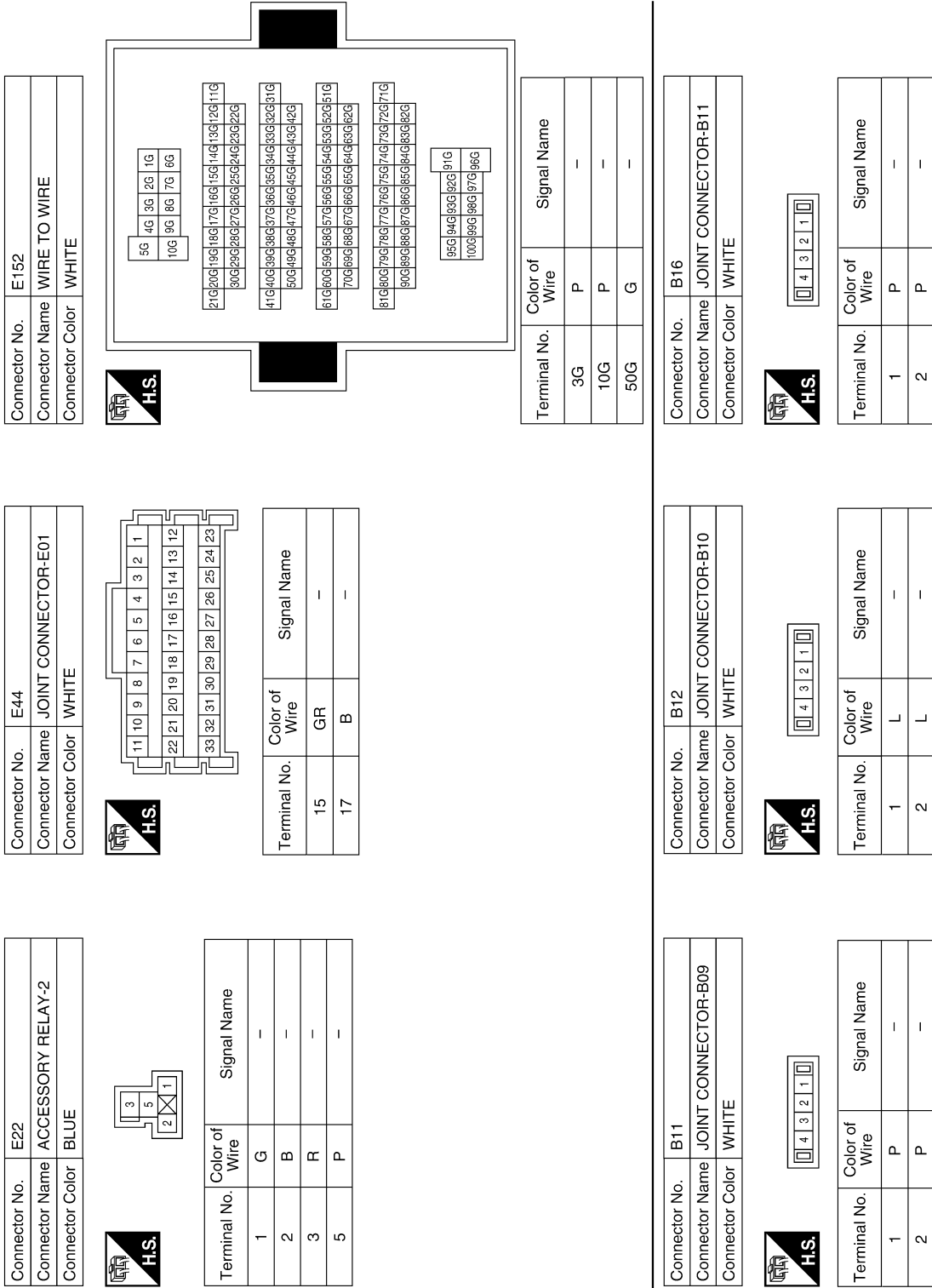
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | W             | -           |
| 2            | W             | -           |

ABLI4924GB



# REAR WINDOW DEFOGGER SYSTEM

< WIRING DIAGRAM >



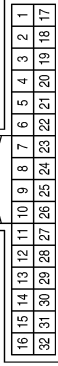
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# REAR WINDOW DEFOGGER SYSTEM

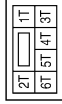
< WIRING DIAGRAM >

|                 |              |
|-----------------|--------------|
| Connector No.   | B32          |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



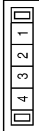
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 18           | L             | -           |
| 19           | P             | -           |

|                 |                  |
|-----------------|------------------|
| Connector No.   | B29              |
| Connector Name  | FUSE BLOCK (J/B) |
| Connector Color | WHITE            |



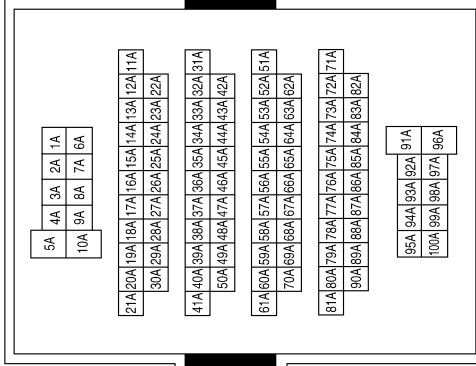
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 3T           | W             | -           |
| 5T           | G             | -           |

|                 |                     |
|-----------------|---------------------|
| Connector No.   | B17                 |
| Connector Name  | JOINT CONNECTOR-B12 |
| Connector Color | WHITE               |



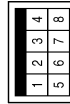
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | L             | -           |
| 2            | L             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | B69          |
| Connector Name  | WIRE TO WIRE |
| Connector Color | GRAY         |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 89A          | L             | -           |
| 90A          | P             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | B47          |
| Connector Name  | WIRE TO WIRE |
| Connector Color | GRAY         |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | W             | -           |
| 5            | G             | -           |

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# REAR WINDOW DEFOGGER SYSTEM

< WIRING DIAGRAM >

|                 |                     |
|-----------------|---------------------|
| Connector No.   | B103                |
| Connector Name  | JOINT CONNECTOR-B15 |
| Connector Color | WHITE               |



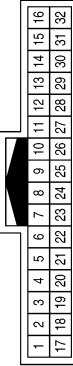
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | P             | -           |
| 2            | P             | -           |

|                 |                     |
|-----------------|---------------------|
| Connector No.   | B102                |
| Connector Name  | JOINT CONNECTOR-B14 |
| Connector Color | WHITE               |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | L             | -           |
| 2            | L             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | B101         |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 17           | L             | -           |
| 18           | P             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | D3           |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



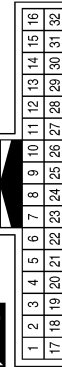
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 13           | Y             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | D2           |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | B             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | B124         |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 18           | L             | -           |
| 19           | P             | -           |

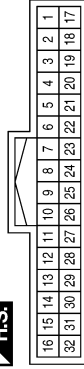
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# REAR WINDOW DEFOGGER SYSTEM

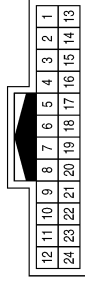
< WIRING DIAGRAM >

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|-----------------|--------------|
| Connector No.   | D101         |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



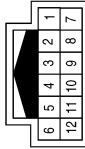
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 10           | BR            | -           |

|                 |   |
|-----------------|---|
| Connector No.   | D6  |
| Connector Name  | DOOR MIRROR LH (WITH AROUND VIEW MONITOR) |
| Connector Color | WHITE                                     |



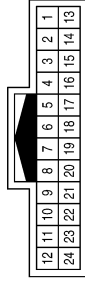
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 7            | Y             | -           |
| 19           | B             | -           |

|                 |  |
|-----------------|--|
| Connector No.   | D4   |
| Connector Name  | DOOR MIRROR LH (WITHOUT AROUND VIEW MONITOR) |
| Connector Color | WHITE  |



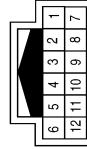
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | Y             | -           |
| 2            | B             | -           |

|                 |   |
|-----------------|---|
| Connector No.   | D116                                      |
| Connector Name  | DOOR MIRROR RH (WITH AROUND VIEW MONITOR) |
| Connector Color | WHITE                                     |



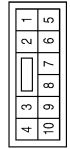
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 7            | BR            | -           |
| 19           | B             | -           |

|                 |  |
|-----------------|--|
| Connector No.   | D107   |
| Connector Name  | DOOR MIRROR RH (WITHOUT AROUND VIEW MONITOR) |
| Connector Color | WHITE  |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | BR            | -           |
| 2            | B             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | D102         |
| Connector Name  | WIRE TO WIRE |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 8            | B             | -           |

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# REAR WINDOW DEFOGGER SYSTEM

< WIRING DIAGRAM >

|                 |                                |
|-----------------|--------------------------------|
| Connector No.   | D509                           |
| Connector Name  | REAR WINDOW DEFOGGER CONDENSER |
| Connector Color | BLACK                          |



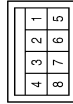
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 2            | G             | -           |

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| Connector No.   | D508                           |
| Connector Name  | REAR WINDOW DEFOGGER CONDENSER |
| Connector Color | BLACK                          |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | R             | -           |

|                 |              |
|-----------------|--------------|
| Connector No.   | D502         |
| Connector Name  | WIRE TO WIRE |
| Connector Color | GRAY         |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | R             | -           |
| 5            | R             | -           |

|                 |                      |
|-----------------|----------------------|
| Connector No.   | D525                 |
| Connector Name  | REAR WINDOW DEFOGGER |
| Connector Color | BLACK                |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 2            | B             | -           |

|                 |                      |
|-----------------|----------------------|
| Connector No.   | D510                 |
| Connector Name  | REAR WINDOW DEFOGGER |
| Connector Color | BLACK                |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | G             | -           |

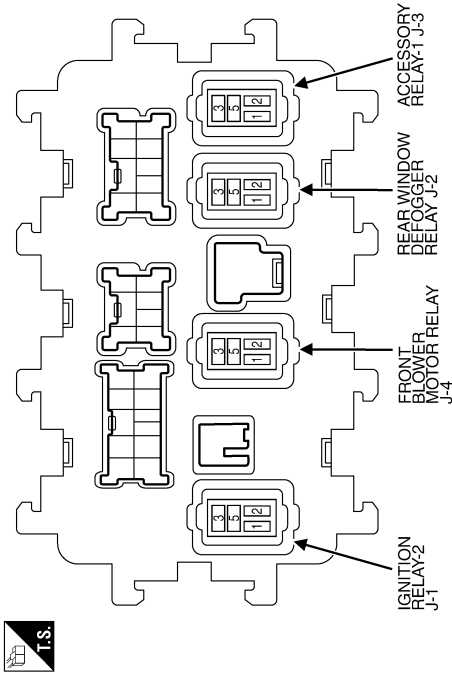
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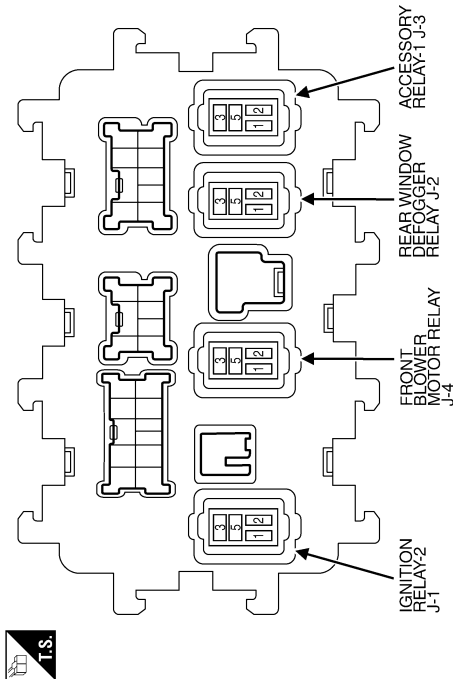
# REAR WINDOW DEFOGGER SYSTEM

< WIRING DIAGRAM >

|                 |   |
|-----------------|---|
| Connector No.   | J-2   |
| Connector Name  | FUSE BLOCK (J/B) (REAR WINDOW DEFOGGER RELAY) |
| Connector Color | -   |



|                 |                                     |
|-----------------|-------------------------------------|
| Connector No.   | J-1                                 |
| Connector Name  | FUSE BLOCK (J/B) (IGNITION RELAY-2) |
| Connector Color | -                                   |



ABLIA4930GB

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

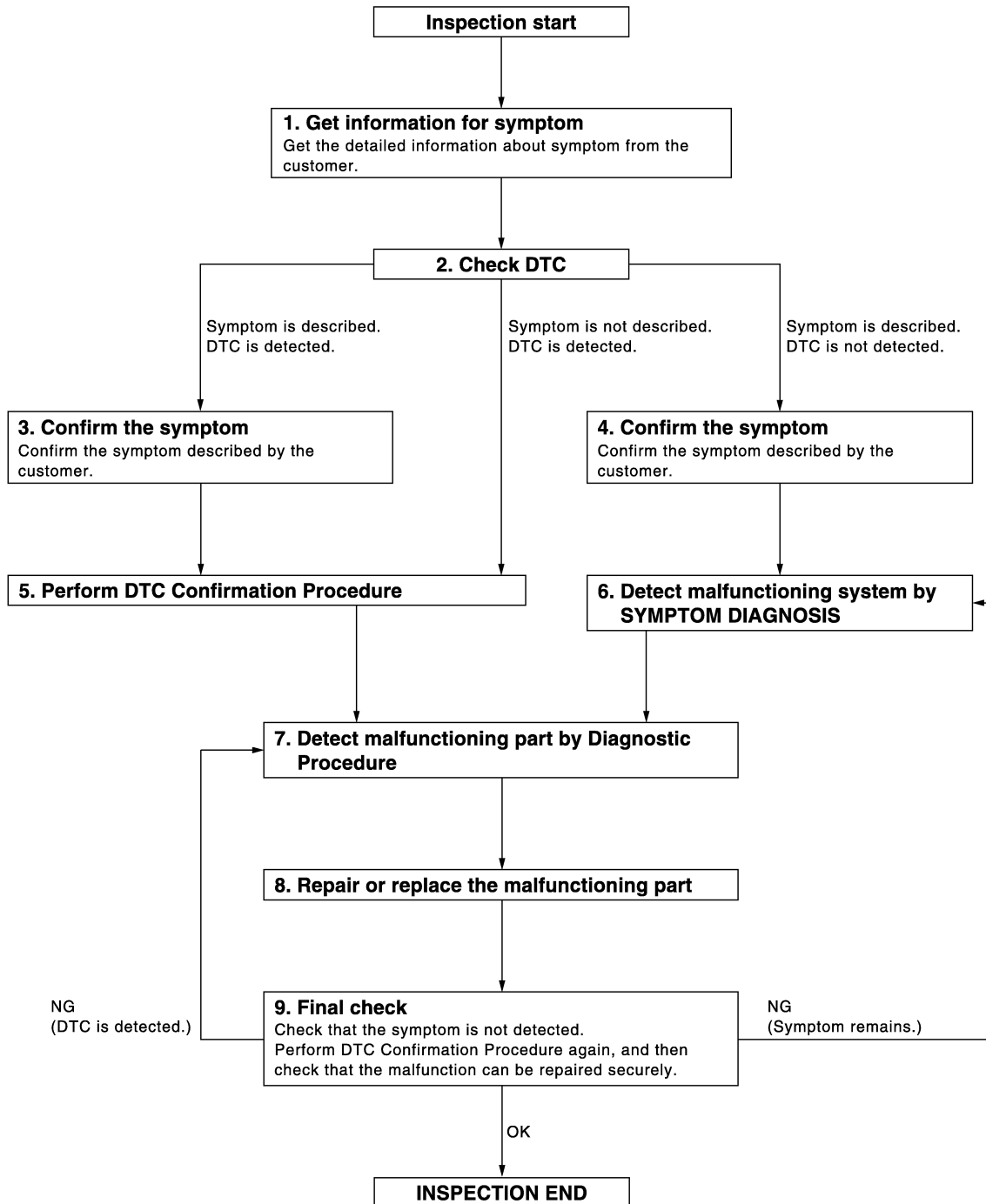
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000011134867

OVERALL SEQUENCE



DETAILED FLOW

Revision: August 2014

DEF-23

JMKIA2270GB

2015 QX60 NAM

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

---

## 1. GET INFORMATION FOR SYMPTOM

---

Get the detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurred).

>> GO TO 2.

## 2. CHECK DTC

---

1. Check DTC.
2. Perform the following procedure if DTC is displayed.
  - Record DTC and freeze frame data (Print them out with CONSULT.)
  - Erase DTC.
  - Study the relationship between the cause detected by DTC and the symptom described by the customer.
3. Check related service bulletins for information.

Is any symptom described and any DTC detected?

Symptom is described, DTC is displayed>>GO TO 3.

Symptom is described, DTC is not displayed>>GO TO 4.

Symptom is not described, DTC is displayed>>GO TO 5.

## 3. CONFIRM THE SYMPTOM

---

Confirm the symptom described by the customer.

Connect CONSULT to the vehicle in "DATA MONITOR" mode and check real time diagnosis results.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

## 4. CONFIRM THE SYMPTOM

---

Confirm the symptom described by the customer.

Connect CONSULT to the vehicle in "DATA MONITOR" mode and check real time diagnosis results.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

## 5. PERFORM DTC CONFIRMATION PROCEDURE

---

Perform DTC Confirmation Procedure for the displayed DTC, and then check that DTC is detected again.

At this time, always connect CONSULT to the vehicle, and check diagnostic results in real time.

If two or more DTCs are detected, refer to [BCS-49. "DTC Inspection Priority Chart"](#) and determine trouble diagnosis order.

**NOTE:**

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC Confirmation Procedure is not included in Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check. If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC Confirmation Procedure.

Is DTC detected?

YES >> GO TO 7.

NO >> Refer to [GI-50. "Intermittent Incident"](#).

## 6. DETECT MALFUNCTIONING SYSTEM BY SYMPTOM TABLE

---

Detect malfunctioning system according to [DEF-6. "System Description"](#) based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

>> GO TO 7.

## 7. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

---

Inspect according to Diagnostic Procedure of the system.

**NOTE:**



# DIAGNOSIS AND REPAIR WORK FLOW

## < BASIC INSPECTION >

The Diagnostic Procedure described is based on open circuit inspection. A short circuit inspection is also required for the circuit check in the Diagnostic Procedure.

### Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check voltage of related BCM terminals using CONSULT.

## 8. REPAIR OR REPLACE THE MALFUNCTIONING PART

1. Repair or replace the malfunctioning part.
2. Reconnect parts or connectors disconnected during Diagnostic Procedure again after repair and replacement.
3. Check DTC. If DTC is displayed, erase it.

>> GO TO 9.

## 9. FINAL CHECK

When DTC was detected in step 2, perform DTC Confirmation Procedure or Component Function Check again, and then check that the malfunction has been repaired securely.

When symptom was described from the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

### Does the symptom reappear?

YES (DTC is detected)>>GO TO 7.

YES (Symptom remains)>>GO TO 6.

NO >> Inspection End.

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# REAR WINDOW DEFOGGER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

### REAR WINDOW DEFOGGER SWITCH

#### Description

INFOID:000000011134868

- The rear window defogger is operated by turning the rear window defogger switch ON.
- Turns the indicator lamp in the rear window defogger switch ON when operating the rear window defogger.

#### Component Function Check

INFOID:000000011134869

#### 1. CHECK REAR WINDOW DEFOGGER SWITCH FUNCTION

Check that the indicator lamp of rear window defogger illuminates with rear window defogger switch ON.

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.  
NO >> Refer to [DEF-26, "Diagnosis Procedure"](#).

#### Diagnosis Procedure

INFOID:000000011134870

Regarding Wiring Diagram information, refer to [DEF-10, "Wiring Diagram"](#).

#### 1. CHECK A/C AND AV SWITCH ASSEMBLY (REAR WINDOW DEFOGGER SWITCH) CIRCUIT

Operate the rear window defogger switch.

Is the inspection result normal?

- YES >> Inspection End.  
NO >> GO TO 2.

#### 2. CHECK A/C AND AV SWITCH ASSEMBLY (REAR WINDOW DEFOGGER SWITCH) CIRCUIT VOLTAGE

1. Turn ignition switch ACC.
2. Check voltage between A/C and AV switch assembly harness connector M98 terminal 3 and ground.

| (+)                                     |          | (-)    | Condition       |     | Voltage (V)<br>(Approx.) |
|---|----------|--------|-----------------|-----|--------------------------|
| A/C and AV switch assembly<br>Connector | Terminal |        |                 |     |                          |
| M98                                     | 3        | Ground | Ignition switch | ACC | Battery voltage          |
|   |          |        |                 | OFF | 0                        |

Is the inspection result normal?

- YES >> Replace A/C and AV switch assembly. Refer to [HAC-159, "Removal and Installation"](#).  
NO >> GO TO 3.

#### 3. CHECK A/C AND AV SWITCH ASSEMBLY (REAR WINDOW DEFOGGER SWITCH) CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect accessory relay-2 connector E22.
3. Disconnect A/C and AV switch assembly connector M98.
4. Check continuity between A/C and AV switch assembly connector M98 terminal 3 and accessory relay-2 connector E22 terminal 5.

| A/C and AV switch assembly |          | Accessory relay-2 |          | Continuity |
|----------------------------|----------|-------------------|----------|------------|
| Connector                  | Terminal | Connector         | Terminal |            |
| M98                        | 3        | E22               | 5        | Yes        |

Is the inspection result normal?

- YES >> GO TO 4.

# REAR WINDOW DEFOGGER SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

NO >> Repair and replace harness.

### 4. CHECK A/C AND AV SWITCH ASSEMBLY (REAR WINDOW DEFOGGER SWITCH) CIRCUIT FOR SHORT

1. Turn ignition switch OFF.
2. Disconnect accessory relay-2 connector E22.
3. Disconnect A/C and AV switch assembly connector M98.
4. Check continuity between A/C and AV switch assembly connector M98 terminal 3 and ground.

| A/C and AV switch assembly |          | Ground | Continuity |
|----------------------------|----------|--------|------------|
| Connector                  | Terminal |        |            |
| M98                        | 3        |        | No         |

#### Is the inspection result normal?

- YES >> Check the following:
- Accessory relay-2.
  - Battery power supply circuit.
- NO >> Repair or replace harness.

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# REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

## REAR WINDOW DEFOGGER RELAY

### Description

INFOID:0000000011134871

Power is supplied to the rear window defogger with BCM control.

### Component Function Check

INFOID:0000000011134872

#### 1. CHECK REAR WINDOW DEFOGGER RELAY POWER SUPPLY CIRCUIT

Check that an operation noise of rear window defogger relay [located in fuse block (J/B)] can be heard when turning the rear window defogger switch ON.

Is the inspection result normal?

- YES >> Rear window defogger relay power supply circuit is OK.
- NO >> Refer to [DEF-28, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000011134873

Regarding Wiring Diagram information, refer to [DEF-10, "Wiring Diagram"](#).

#### 1. CHECK REAR WINDOW DEFOGGER RELAY GROUND CIRCUIT

1. Turn ignition switch ON.
2. Check voltage between BCM connector and ground.

| (+)       |          | (-)    | Condition                      | Voltage (V)<br>(Approx.) |                 |
|-----------|----------|--------|--------------------------------|--------------------------|-----------------|
| BCM       |          |        |                                |                          |                 |
| Connector | Terminal |        |                                |                          |                 |
| M19       | 61       | Ground | Rear window defogger<br>switch | ON                       | 0               |
|           |          |        |                                | OFF                      | Battery voltage |

Is the inspection result normal?

- YES >> Rear window defogger power supply circuit is OK.
- NO >> GO TO 2.

#### 2. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect BCM and fuse block (J/B).
3. Check continuity between BCM connector and fuse block (J/B) connector.

| BCM       |          | Fuse block (J/B) |          | Continuity |
|-----------|----------|------------------|----------|------------|
| Connector | Terminal | Connector        | Terminal |            |
| M19       | 61       | M4               | 6P       | Yes        |

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace harness.

#### 3. CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.  
Refer to [DEF-29, "Component Inspection"](#).

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-50, "Intermittent Incident"](#)
- NO >> Replace rear window defogger relay.

# REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

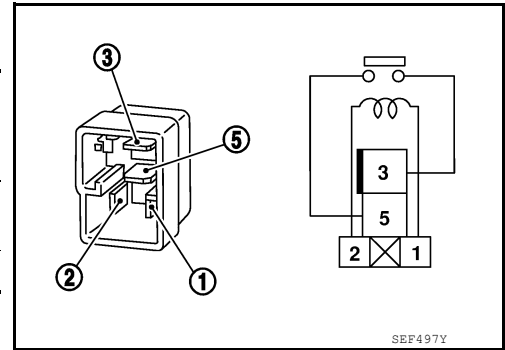
## Component Inspection

INFOID:000000011134874

### 1. CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

| Terminal                   |   | Condition  | Continuity |
|----------------------------|---|--|------------|
| Rear window defogger relay |   |  |            |
| 3                          | 5 | 12V direct current supply between terminals 1 and 2. | Yes        |
|                            |   | No current supply                                    | No         |



Is the inspection result normal?

- YES >> Inspection End.
- NO >> Replace rear window defogger relay.

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# REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT

### Description

INFOID:0000000011134875

Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.

### Component Function Check

INFOID:0000000011134876

## 1. CHECK REAR WINDOW DEFOGGER

Check that the heating wire of rear window defogger is heated when turning the rear window defogger switch ON.

Is the inspection result normal?

- YES >> Rear window defogger is OK.  
NO >> Refer to [DEF-30, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000011134877

Regarding Wiring Diagram information, refer to [DEF-10, "Wiring Diagram"](#).

## 1. CHECK FUSES

Check if any of the following fuses in fuse block (J/B) are blown.

| COMPONENT PARTS  | AMPERE | FUSE NO. |
|------------------|--------|----------|
| Fuse block (J/B) | 15A    | 23       |
|                  | 15A    | 24       |

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.

## 2. CHECK POWER SUPPLY CIRCUIT

- Turn ignition switch ON.
- Check voltage between rear window defogger connector and ground.

| (+)       |          | (-)    | Condition                      | Voltage (V)<br>(Approx.) |
|-----------|----------|--------|--------------------------------|--------------------------|
| Connector | Terminal |        |                                |                          |
| D510      | 1        | Ground | Rear window defogger switch ON | Battery voltage          |
|           |          |        | OFF                            | 0                        |

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> GO TO 4.

## 3. CHECK GROUND CIRCUIT

- Turn ignition switch OFF.
- Disconnect rear window defogger.
- Check continuity between rear window defogger connector and ground.

| Rear window defogger |          | Ground | Continuity |
|----------------------|----------|--------|------------|
| Connector            | Terminal |        |            |
| D525                 | 2        |        | Yes        |

# REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

### Is the inspection result normal?

- YES >> GO TO 6.  
NO >> Repair or replace harness.

### 4. CHECK HARNESS CONTINUITY 1

1. Turn ignition switch OFF.
2. Disconnect rear window defogger condenser and rear window defogger.
3. Check continuity between rear window defogger condenser connector and rear window defogger connector.

| Rear window defogger condenser |          | Rear window defogger |          | Continuity |
|--------------------------------|----------|----------------------|----------|------------|
| Connector                      | Terminal | Connector            | Terminal |            |
| D509                           | 2        | D510                 | 1        | Yes        |

### Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Replace or repair harness.

### 5. CHECK HARNESS CONTINUITY 2

1. Disconnect fuse block (J/B).
2. Check continuity between fuse block (J/B) connector and rear window defogger condenser connector.

| Fuse block (J/B) |          | Rear window defogger condenser |          | Continuity |
|------------------|----------|--------------------------------|----------|------------|
| Connector        | Terminal | Connector                      | Terminal |            |
| B29              | 3T       | D508                           | 1        | Yes        |
|                  | 5T       |                                |          |            |

### Is the inspection result normal?

- YES >> Replace rear window defogger condenser.  
NO >> Replace or repair harness.

### 6. CHECK FILAMENT

Check filament. Refer to [DEF-31, "Component Inspection"](#).

### Is the inspection result normal?

- YES >> Refer to [GI-50, "Intermittent Incident"](#).  
NO >> Repair filament. Refer to [DEF-48, "Inspection and Repair"](#).

## Component Inspection

INFOID:0000000011134878

### 1. CHECK FILAMENT

Check the filament for damage or open circuits.  
Refer to [DEF-48, "Inspection and Repair"](#).

### Is the inspection result normal?

- YES >> Inspection End.  
NO >> Repair filament. Refer to [DEF-48, "Inspection and Repair"](#).

# DOOR MIRROR DEFOGGER LH (WITHOUT AROUND VIEW MONITOR)

< DTC/CIRCUIT DIAGNOSIS >

## DOOR MIRROR DEFOGGER LH (WITHOUT AROUND VIEW MONITOR)

### Description

INFOID:0000000011134879

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

### Component Function Check

INFOID:0000000011134880

#### 1. CHECK DOOR MIRROR DEFOGGER LH

Check that heating wire of door mirror defogger LH is heated when turning the rear window defogger switch ON.

Is the inspection result normal?

- YES >> Door mirror defogger is OK.
- NO >> Refer to [DEF-32, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000011134881

Regarding Wiring Diagram information, refer to [DEF-10, "Wiring Diagram"](#).

#### 1. CHECK POWER SUPPLY

Check if the following fuse in the fuse block (J/B) is blown.

| COMPONENT PARTS  | AMPERE | FUSE NO. |
|------------------|--------|----------|
| Fuse block (J/B) | 10A    | 22       |

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.

#### 2. CHECK DOOR MIRROR DEFOGGER POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror LH.
3. Turn ignition switch ON.
4. Check voltage between door mirror LH connector D4 terminal 1 and ground.

| (+)       |          | (-)    | Condition                   | Voltage (V)<br>(Approx.) |
|-----------|----------|--------|-----------------------------|--------------------------|
| Connector | Terminal |        |                             |                          |
| D4        | 1        | Ground | Rear window defogger switch | ON<br>Battery voltage    |
|           |          |        | OFF<br>0                    |                          |

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace harness.

#### 3. CHECK DOOR MIRROR DEFOGGER GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror LH connector and ground.

| Door mirror LH |          | Ground | Continuity |
|----------------|----------|--------|------------|
| Connector      | Terminal |        |            |
| D4             | 2        |        | Yes        |

Is the inspection result normal?



# DOOR MIRROR DEFOGGER LH (WITHOUT AROUND VIEW MONITOR)

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> GO TO 4.  
NO >> Repair or replace harness.

### 4. CHECK DOOR MIRROR DEFOGGER LH

Check door mirror defogger LH.  
Refer to [DEF-33. "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Replace door mirror. Refer to [MIR-29. "Removal and Installation"](#).

### 5. CHECK INTERMITTENT INCIDENT

Check intermittent incident.  
Refer to [GI-50. "Intermittent Incident"](#).

Is the inspection result normal?

- YES >> Check the following:
- Battery power supply circuit
  - Fuse block (J/B)
- NO >> Repair or replace the malfunctioning parts.

## Component Inspection

INFOID:000000011134882

### 1. CHECK DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.
2. Disconnect door mirror LH.
3. Check continuity between door mirror terminals.

| Terminal |   | Continuity |
|----------|---|------------|
| 1        | 2 | Yes        |

Is the inspection result normal?

- YES >> Check the condition of the harness and the connector.  
NO >> Replace malfunctioning door mirror LH. Refer to [MIR-29. "Removal and Installation"](#).

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# DOOR MIRROR DEFOGGER LH (WITH AROUND VIEW MONITOR)

< DTC/CIRCUIT DIAGNOSIS >

## DOOR MIRROR DEFOGGER LH (WITH AROUND VIEW MONITOR)

### Description

INFOID:0000000011134883

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

### Component Function Check

INFOID:0000000011134884

#### 1. CHECK DOOR MIRROR DEFOGGER LH

Check that heating wire of door mirror defogger LH is heated when turning the rear window defogger switch ON.

Is the inspection result normal?

- YES >> Door mirror defogger is OK.
- NO >> Refer to [DEF-34, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000011134885

Regarding Wiring Diagram information, refer to [DEF-10, "Wiring Diagram"](#).

#### 1. CHECK POWER SUPPLY

Check if the following fuse in the fuse block (J/B) is blown.

| COMPONENT PARTS  | AMPERE | FUSE NO. |
|------------------|--------|----------|
| Fuse block (J/B) | 10A    | 22       |

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.

#### 2. CHECK DOOR MIRROR DEFOGGER POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror LH.
3. Turn ignition switch ON.
4. Check voltage between door mirror LH connector D6 terminal 7 and ground.

| (+)       |          | (-)    | Condition                   | Voltage (V)<br>(Approx.) |
|-----------|----------|--------|-----------------------------|--------------------------|
| Connector | Terminal |        |                             |                          |
| D6        | 7        | Ground | Rear window defogger switch | Battery voltage          |
|           |          |        | ON                          |                          |
|           |          |        | OFF                         | 0                        |

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace harness.

#### 3. CHECK DOOR MIRROR DEFOGGER GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror LH connector and ground.

| Door mirror LH |          | Ground | Continuity |
|----------------|----------|--------|------------|
| Connector      | Terminal |        |            |
| D6             | 19       |        | Yes        |

Is the inspection result normal?

# DOOR MIRROR DEFOGGER LH (WITH AROUND VIEW MONITOR)

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> GO TO 4.  
NO >> Repair or replace harness.

### 4. CHECK DOOR MIRROR DEFOGGER LH

Check door mirror defogger LH.  
Refer to [DEF-35. "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Replace door mirror. Refer to [MIR-29. "Removal and Installation"](#).

### 5. CHECK INTERMITTENT INCIDENT

Check intermittent incident.  
Refer to [GI-50. "Intermittent Incident"](#).

Is the inspection result normal?

- YES >> Check the following:
- Battery power supply circuit
  - Fuse block (J/B)
- NO >> Repair or replace the malfunctioning parts.

## Component Inspection

INFOID:000000011134886

### 1. CHECK DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.
2. Disconnect door mirror LH.
3. Check continuity between door mirror terminals.

| Terminal |    | Continuity |
|----------|----|------------|
| 7        | 19 | Yes        |

Is the inspection result normal?

- YES >> Check the condition of the harness and the connector.  
NO >> Replace malfunctioning door mirror LH. Refer to [MIR-29. "Removal and Installation"](#).

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# DOOR MIRROR DEFOGGER RH (WITHOUT AROUND VIEW MONITOR)

< DTC/CIRCUIT DIAGNOSIS >

## DOOR MIRROR DEFOGGER RH (WITHOUT AROUND VIEW MONITOR)

### Description

INFOID:0000000011134887

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

### Component Function Check

INFOID:0000000011134888

#### 1. CHECK DOOR MIRROR DEFOGGER RH

Check that the heating wire of door mirror defogger RH is heated when turning the rear window defogger switch ON.

Is the inspection result normal?

- YES >> Door mirror defogger RH is OK.
- NO >> Refer to [DEF-36, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000011134889

Regarding Wiring Diagram information, refer to [DEF-10, "Wiring Diagram"](#).

#### 1. CHECK POWER SUPPLY

Check if the following fuse in the fuse block (J/B) is blown.

| COMPONENT PARTS  | AMPERE | FUSE NO. |
|------------------|--------|----------|
| Fuse block (J/B) | 10A    | 22       |

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.

#### 2. CHECK DOOR MIRROR DEFOGGER POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror RH.
3. Turn ignition switch ON.
4. Check voltage between door mirror RH connector D107 terminal 1 and ground.

| (+)       |          | (-)    | Condition                   | Voltage (V)<br>(Approx.) |                      |
|-----------|----------|--------|-----------------------------|--------------------------|----------------------|
| Connector | Terminal |        |                             |                          |                      |
| D107      | 1        | Ground | Rear window defogger switch | ON<br>OFF                | Battery voltage<br>0 |

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace harness.

#### 3. CHECK DOOR MIRROR DEFOGGER GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror RH connector and ground.

| Door mirror RH |          | Ground | Continuity |
|----------------|----------|--------|------------|
| Connector      | Terminal |        |            |
| D107           | 2        |        | Yes        |

Is the inspection result normal?

# DOOR MIRROR DEFOGGER RH (WITHOUT AROUND VIEW MONITOR)

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> GO TO 4.  
NO >> Repair or replace harness.

### 4. CHECK DOOR MIRROR DEFOGGER RH

Check door mirror defogger RH.  
Refer to [DEF-37. "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Replace door mirror. Refer to [MIR-29. "Removal and Installation"](#).

### 5. CHECK INTERMITTENT INCIDENT

Check intermittent incident.  
Refer to [GI-50. "Intermittent Incident"](#).

Is the inspection result normal?

- YES >> Check the following:
- Battery power supply circuit
  - Fuse block (J/B)
- NO >> Repair or replace the malfunctioning parts.

## Component Inspection

INFOID:0000000011134890

### 1. CHECK DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.
2. Disconnect door mirror RH.
3. Check continuity between door mirror terminals.

| Terminal |   | Continuity |
|----------|---|------------|
| 1        | 2 | Yes        |

Is the inspection result normal?

- YES >> Check the condition of the harness and the connector.  
NO >> Replace malfunctioning door mirror RH. Refer to [MIR-29. "Removal and Installation"](#).

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# DOOR MIRROR DEFOGGER RH (WITH AROUND VIEW MONITOR)

< DTC/CIRCUIT DIAGNOSIS >

## DOOR MIRROR DEFOGGER RH (WITH AROUND VIEW MONITOR)

### Description

INFOID:0000000011134891

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

### Component Function Check

INFOID:0000000011134892

#### 1. CHECK DOOR MIRROR DEFOGGER RH

Check that the heating wire of door mirror defogger RH is heated when turning the rear window defogger switch ON.

Is the inspection result normal?

- YES >> Door mirror defogger RH is OK.  
NO >> Refer to [DEF-38, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000011134893

Regarding Wiring Diagram information, refer to [DEF-10, "Wiring Diagram"](#).

#### 1. CHECK POWER SUPPLY

Check if the following fuse in the fuse block (J/B) is blown.

| COMPONENT PARTS  | AMPERE | FUSE NO. |
|------------------|--------|----------|
| Fuse block (J/B) | 10A    | 22       |

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.

#### 2. CHECK DOOR MIRROR DEFOGGER POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror RH.
3. Turn ignition switch ON.
4. Check voltage between door mirror RH connector D116 terminal 7 and ground.

| (+)       |          | (-)    | Condition                   | Voltage (V)<br>(Approx.) |
|-----------|----------|--------|-----------------------------|--------------------------|
| Connector | Terminal |        |                             |                          |
| D116      | 7        | Ground | Rear window defogger switch | ON<br>OFF                |
|           |          |        | Battery voltage<br>0        |                          |

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace harness.

#### 3. CHECK DOOR MIRROR DEFOGGER GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror RH connector and ground.

| Door mirror RH |          | Ground | Continuity |
|----------------|----------|--------|------------|
| Connector      | Terminal |        |            |
| D116           | 19       |        | Yes        |

Is the inspection result normal?

# DOOR MIRROR DEFOGGER RH (WITH AROUND VIEW MONITOR)

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> GO TO 4.  
NO >> Repair or replace harness.

### 4. CHECK DOOR MIRROR DEFOGGER RH

Check door mirror defogger RH. Refer to [DEF-39, "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Replace door mirror. Refer to [MIR-29, "Removal and Installation"](#).

### 5. CHECK INTERMITTENT INCIDENT

Check intermittent incident.  
Refer to [GI-50, "Intermittent Incident"](#).

Is the inspection result normal?

- YES >> Check the following:
- Battery power supply circuit
  - Fuse block (J/B)
- NO >> Repair or replace the malfunctioning parts.

## Component Inspection

INFOID:0000000011134894

### 1. CHECK DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.
2. Disconnect door mirror RH.
3. Check continuity between door mirror terminals.

| Terminal |    | Continuity |
|----------|----|------------|
| 7        | 19 | Yes        |

Is the inspection result normal?

- YES >> Check the condition of the harness and the connector.  
NO >> Replace malfunctioning door mirror RH. Refer to [MIR-29, "Removal and Installation"](#).

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# DEFOGGER SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### DEFOGGER SYSTEM SYMPTOMS

#### Symptom Table

INFOID:000000011134895

| Symptom  | Reference page   |
|--|--|
| Rear window defogger and door mirror defoggers do not operate.                       | Refer to <a href="#">DEF-41, "Diagnosis Procedure"</a> . |
| Rear window defogger does not operate but both of the door mirror defoggers operate. | Refer to <a href="#">DEF-42, "Diagnosis Procedure"</a> . |
| Both door mirror defoggers don't operate but rear window defogger operates.          | Refer to <a href="#">DEF-43, "Diagnosis Procedure"</a> . |
| Driver side door mirror defogger does not operate.                                   | Refer to <a href="#">DEF-43, "Diagnosis Procedure"</a> . |
| Passenger side door mirror defogger does not operate.                                | Refer to <a href="#">DEF-46, "Diagnosis Procedure"</a> . |
| Rear window defogger switch does not light, but rear window defogger operates.       | Refer to <a href="#">DEF-47, "Diagnosis Procedure"</a> . |



# REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

< SYMPTOM DIAGNOSIS >

## REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

### Diagnosis Procedure

INFOID:000000011134896

#### 1. CHECK REAR WINDOW DEFOGGER SWITCH

Check rear window defogger switch.

Refer to [DEF-26. "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2. CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Refer to [DEF-28. "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

#### 3. CHECK REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT

Check rear window defogger power supply and ground circuit.

Refer to [DEF-30. "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

#### 4. CHECK DOOR MIRROR DEFOGGER

Check door mirror defogger.

Refer to [DEF-32. "Diagnosis Procedure"](#) (LH without around view monitor), [DEF-34. "Diagnosis Procedure"](#) (LH with around view monitor), [DEF-36. "Diagnosis Procedure"](#) (RH without around view monitor), [DEF-38. "Diagnosis Procedure"](#) (RH with around view monitor).

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-50. "Intermittent Incident"](#).

NO >> Repair or replace the malfunctioning parts.

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DEF

# REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH OF DOOR MIRROR DEFOGGER OPERATE.

< SYMPTOM DIAGNOSIS >

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REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH OF DOOR MIRROR DEFOGGER OPERATE.

## Diagnosis Procedure

INFOID:000000011134897

### 1. CHECK REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT

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Check rear window defogger power supply and ground circuit.

Refer to [DEF-30, "Component Function Check"](#).

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-50, "Intermittent Incident"](#).

NO >> Repair or replace the malfunctioning parts.

# BOTH DOORS MIRROR DEFOGGER DON'T OPERATE BUT REAR WINDOW DEFOGGER OPERATES

< SYMPTOM DIAGNOSIS >

## BOTH DOORS MIRROR DEFOGGER DON'T OPERATE BUT REAR WINDOW DEFOGGER OPERATES

### Diagnosis Procedure

INFOID:000000011134898

Regarding Wiring Diagram information, refer to [DEF-10. "Wiring Diagram"](#).

### 1. CHECK DOOR MIRROR DEFOGGER FUSE

Check if the following fuse in fuse block (J/B) is blown.

| COMPONENT PARTS  | AMPERE | FUSE NO. |
|------------------|--------|----------|
| Fuse block (J/B) | 10A    | 22       |

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit.

### 2. CHECK DOOR MIRROR DEFOGGER CIRCUIT

- Turn ignition switch OFF.
- Disconnect the following harness connectors.
  - Fuse block (J/B) connector M4
  - Door mirror LH D4 (without around view monitor), D6 (with around view monitor)
  - Door mirror RH D107 (without around view monitor), D116 (with around view monitor)
- Check continuity between fuse block (J/B) harness connector and door mirror defogger harness connectors.

| Fuse block (J/B) Connector | Terminal | Door mirror Connectors                | Terminal | Continuity |
|----------------------------|----------|---------------------------------------|----------|------------|
| M4                         | 5P       | D4 (LH without around view monitor)   | 1        | Yes        |
|                            |          | D107 (RH without around view monitor) |          |            |
|                            |          | D6 (LH with around view monitor)      | 7        |            |
|                            |          | D116 (RH with around view monitor)    |          |            |

- Check continuity between fuse block (J/B) harness connector M4 terminal 5P and ground.

| Fuse block (J/B) connector | Terminal | Ground | Continuity |
|----------------------------|----------|--------|------------|
| M4                         | 5P       |        | No         |

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

### 3. CHECK DOOR MIRROR DEFOGGER

Check door mirror LH.

Refer to [DEF-32. "Component Function Check"](#) (without around view monitor) or [DEF-34. "Component Function Check"](#) (with around view monitor).

Check door mirror RH.

Refer to [DEF-36. "Component Function Check"](#) (without around view monitor) or [DEF-38. "Component Function Check"](#) (with around view monitor).

Is the inspection result normal?

# BOTH DOORS MIRROR DEFOGGER DON'T OPERATE BUT REAR WINDOW DEFOGGER OPERATES

## < SYMPTOM DIAGNOSIS >

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- YES >> Check intermittent incident. Refer to [GI-50. "Intermittent Incident"](#).
- NO >> Repair or replace the malfunctioning parts.

# DRIVER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE.

< SYMPTOM DIAGNOSIS >

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## DRIVER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE.

### Diagnosis Procedure

INFOID:000000011134899

#### 1. CHECK DOOR MIRROR DEFOGGER LH

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Check door mirror defogger LH.

Refer to [DEF-32. "Component Function Check"](#) (without around view monitor) or [DEF-34. "Component Function Check"](#) (with around view monitor).

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-50. "Intermittent Incident"](#).
- NO >> Repair or replace the malfunctioning parts.

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## PASSENGER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE.

< SYMPTOM DIAGNOSIS >

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## PASSENGER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE.

### Diagnosis Procedure

INFOID:000000011134900

#### 1. CHECK DOOR MIRROR DEFOGGER RH

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Check door mirror defogger RH.

Refer to [DEF-36. "Component Function Check"](#) (without around view monitor) or [DEF-38. "Component Function Check"](#) (with around view monitor).

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-50. "Intermittent Incident"](#).
- NO >> Repair or replace the malfunctioning parts.

# REAR WINDOW DEFOGGER SWITCH DOES NOT LIGHT, BUT REAR WINDOW DEFOGGER OPERATES

< SYMPTOM DIAGNOSIS >

## REAR WINDOW DEFOGGER SWITCH DOES NOT LIGHT, BUT REAR WINDOW DEFOGGER OPERATES

### Diagnosis Procedure

INFOID:000000011134901

#### 1. CHECK A/C AND AV SWITCH ASSEMBLY (REAR WINDOW DEFOGGER SWITCH)

Check that A/C and AV switch assembly (rear window defogger switch) is operating normally.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-50, "Intermittent Incident"](#).

NO >> Check rear window defogger switch. Refer to [DEF-26, "Diagnosis Procedure"](#).

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# FILAMENT

< REMOVAL AND INSTALLATION >

## REMOVAL AND INSTALLATION

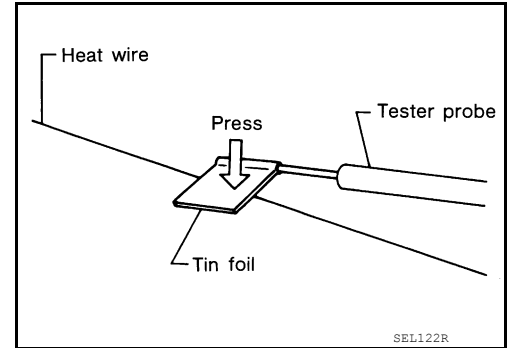
### FILAMENT

#### Inspection and Repair

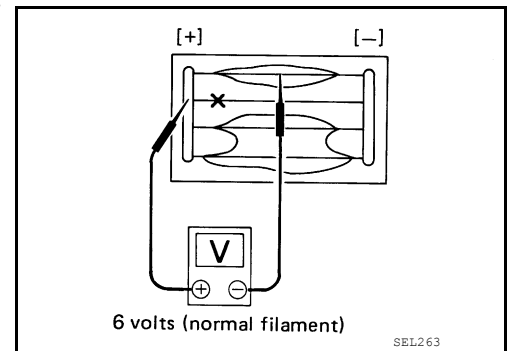
INFOID:000000011134902

#### INSPECTION

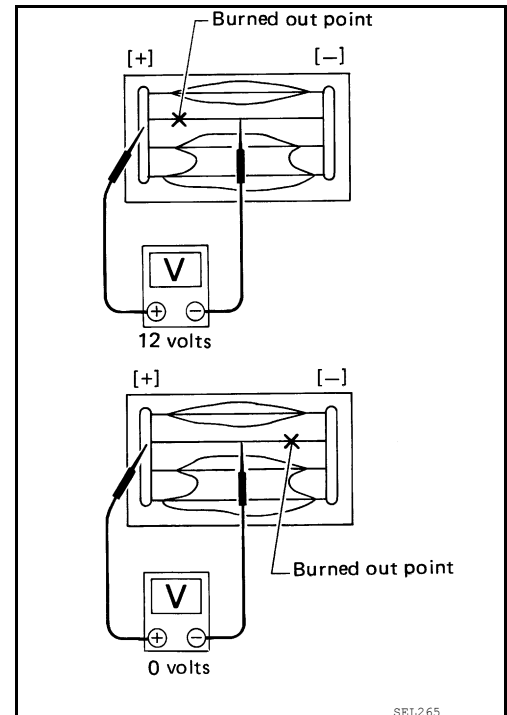
1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.



2. Attach probe circuit tester (in Volt range) to middle portion of each filament.



3. If a filament is burned out, circuit tester registers 0 or battery voltage.
4. To locate burned out point, move probe to left and right along filament. Test needle will swing abruptly when probe passes the point.



#### REPAIR

##### REPAIR EQUIPMENT

- Conductive silver composition (Dupont No. 4817 or equivalent)



# FILAMENT

## < REMOVAL AND INSTALLATION >

- Ruler 30 cm (11.8 in) long
- Drawing pen
- Heat gun
- Alcohol
- Cloth

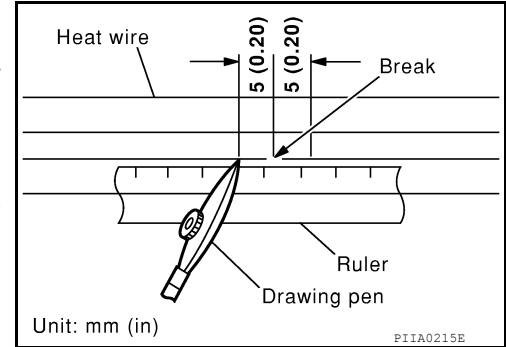
### REPAIRING PROCEDURE

1. Wipe broken heat wire and its surrounding area clean with a cloth dampened in alcohol.
2. Apply a small amount of conductive silver composition to tip of drawing pen.

**NOTE:**

Shake silver composition container before use.

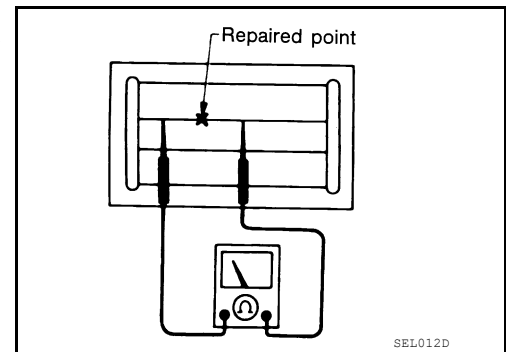
3. Place ruler on glass along broken line. Deposit conductive silver composition on break with drawing pen. Slightly overlap existing heat wire on both sides [preferably 5 mm (0.20 in)] of the break.



4. After repair has been completed, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited.

**CAUTION:**

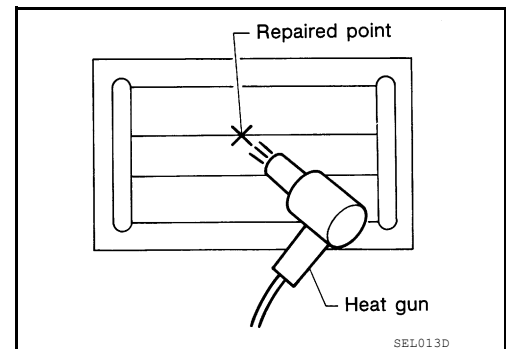
Do not touch repaired area while test is being conducted.



5. Apply a constant stream of hot air directly to the repaired area for approximately 20 minutes with a heat gun. A minimum distance of 3 cm (1.2 in) should be kept between repaired area and hot air outlet.

**NOTE:**

If a heat gun is not available, let the repaired area dry for 24 hours.



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# CONDENSER

< REMOVAL AND INSTALLATION >

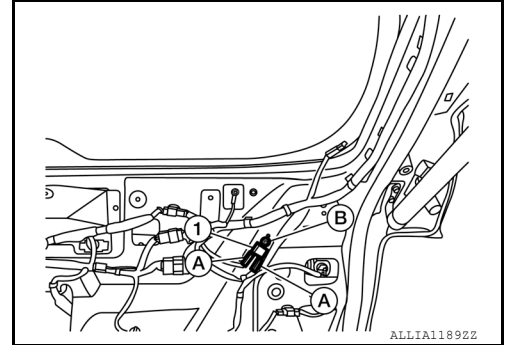
## CONDENSER

### Removal and Installation

INFOID:000000011134903

#### REMOVAL

1. Remove the back door lower finisher. Refer to [INT-35. "BACK DOOR LOWER FINISHER : Removal and Installation"](#).
2. Disconnect the harness connectors (A) from the condenser (1).
3. Remove the bolt (B) and the condenser (1).



#### INSTALLATION

Installation is in the reverse order of removal.