

SECTION DEF

DEFOGGER

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[COUPE]

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000006352077

DETAILED FLOW

1.OBTAIN INFORMATION ABOUT SYMPTOM

Interview the customer to obtain as much malfunction information (conditions and environment when the malfunction occurs) as possible when the customer brings the vehicle in.

>> GO TO 2.

2.CHECK DTC

Perform self-diagnosis with CONSULT-III

Are any DTC detected?

YES >> Refer to [BCS-85, "DTC Index"](#).

NO >> GO TO 3.

3.REPRODUCE THE MALFUNCTION INFORMATION

Check the malfunction on the vehicle that the customer describes.

Inspect the relation of the symptoms and the condition when the symptoms occur.

>> GO TO 4.

4.IDENTIFY THE MALFUNCTIONING SYSTEM WITH "SYMPTOM DIAGNOSIS"

Use "Symptom diagnosis" from the symptom inspection result in step 3. Then identify where to start performing the diagnosis based on possible causes and symptoms.

>> GO TO 5.

5.IDENTIFY MALFUNCTIONING PARTS WITH "COMPONENT DIAGNOSIS"

Perform the diagnosis with "Component diagnosis" of the applicable system.

>> GO TO 6.

6.REPAIR OR REPLACE THE MALFUNCTIONING PARTS

Repair or replace the specified malfunctioning parts.

>> GO TO 7.

7.FINAL CHECK

Check that malfunctions are not reproduced when obtaining the malfunction information from the customer, referring to the symptom inspection result in step 3.

Are all malfunctions corrected?

YES >> INSPECTION END

NO >> GO TO 4.

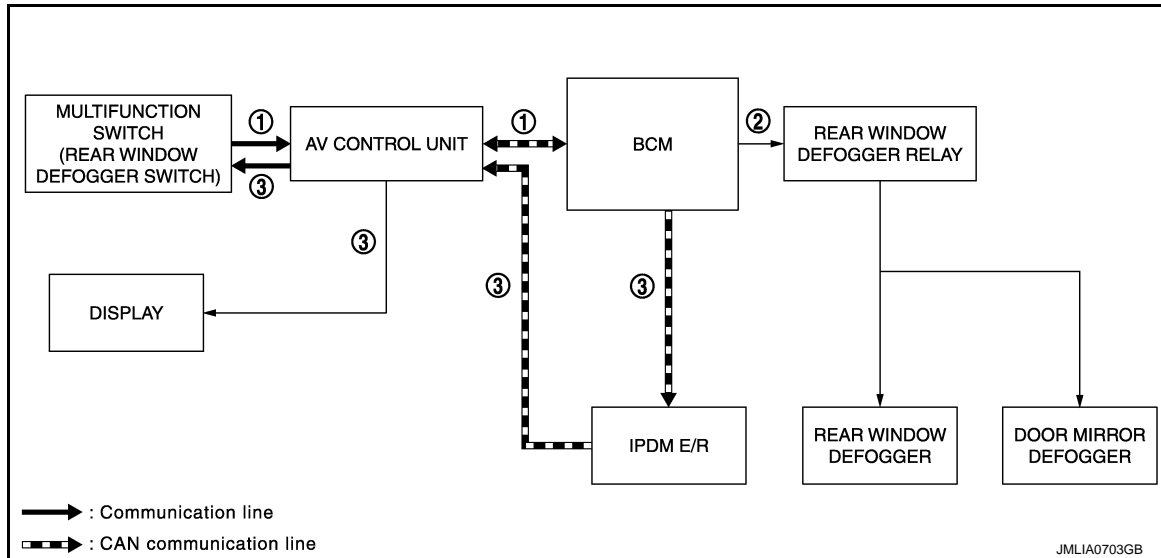
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SYSTEM DESCRIPTION

REAR WINDOW DEFOGGER SYSTEM WITH NAVIGATION

WITH NAVIGATION : System Diagram

INFOID:000000006352078



1. Rear window defogger switch signal 2. Rear window defogger relay ON signal 3. Rear window defogger ON signal

WITH NAVIGATION : System Description

INFOID:000000006352079

OPERATION DESCRIPTION

- Turn rear window defogger switch ON when the ignition switch is ON. Then multifunction switch (rear window defogger switch) transmits rear window defogger switch signal to AV control unit via AV communication. AV control unit transmits rear window defogger switch signal to BCM via CAN communication.
- BCM turns rear window defogger relay ON and transmits rear window defogger ON signal to IPDM E/R via CAN communication 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.
- IPDM E/R transmits rear window defogger ON signal to AV control unit via CAN communication.
- When receiving the signal, AV control unit indicates rear defogger ON on the display. At the same time, AV control unit transmits rear defogger ON signal to multifunction switch (rear window defogger switch) via AV communication and illuminates rear window defogger switch indicator.

TIMER FUNCTION

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

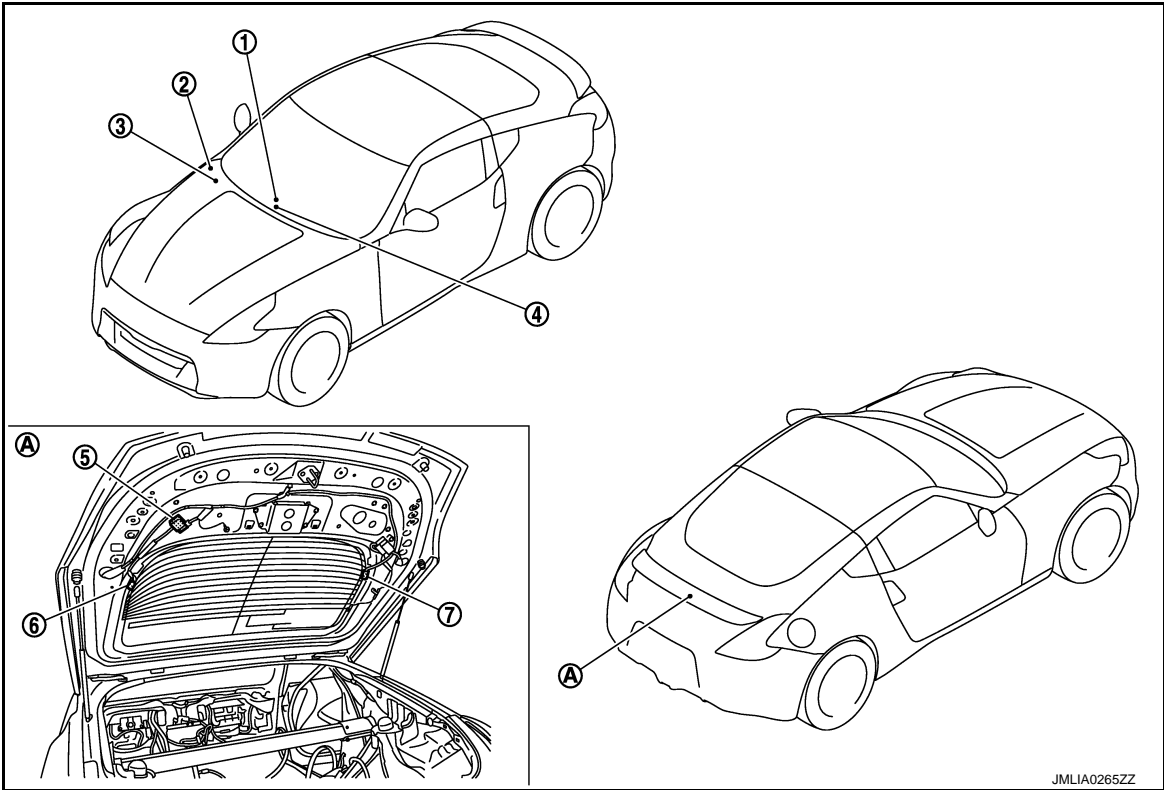
REAR WINDOW DEFOGGER SYSTEM

[COUPE]

< SYSTEM DESCRIPTION >

WITH NAVIGATION : Component Parts Location

INFOID:000000006352080



1. Multifunction switch (rear window defogger switch)

2. IPDM E/R
Refer to [PCS-6, "Component Parts Location"](#).

3. BCM
Refer to [BCS-9, "Component Parts Location"](#).
4. AV control unit
Refer to [AV-140, "Component Parts Location"](#).

5. Condenser

6. Rear window defogger connector
7. Rear window defogger connector

A. Behind back door assembly

WITH NAVIGATION : Component Description

INFOID:000000006352081

| | |
|--|--|
| Multifunction switch (Rear window defogger switch) | <div><div>The rear window defogger switch is installed.</div><div>Turns the indicator lamp ON when detecting the operation of rear window defogger relay.</div></div> |
| AV control unit | Displays the rear window defogger is ON on the display when detecting the operation of rear window defogger relay. |
| BCM | <div><div>Operates the rear window defogger relay when receiving rear window defogger switch signal.</div><div>Performs the timer control of rear window defogger relay.</div></div> |
| Rear window defogger relay | Operates the rear window defoggers and door mirror defogger with the control signal from BCM. |
| Rear window defogger | Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up. |
| Door mirror defogger | Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up. |
| IPDM E/R | Transmits rear window defogger ON signal to AV control unit via CAN communication. |

WITHOUT NAVIGATION

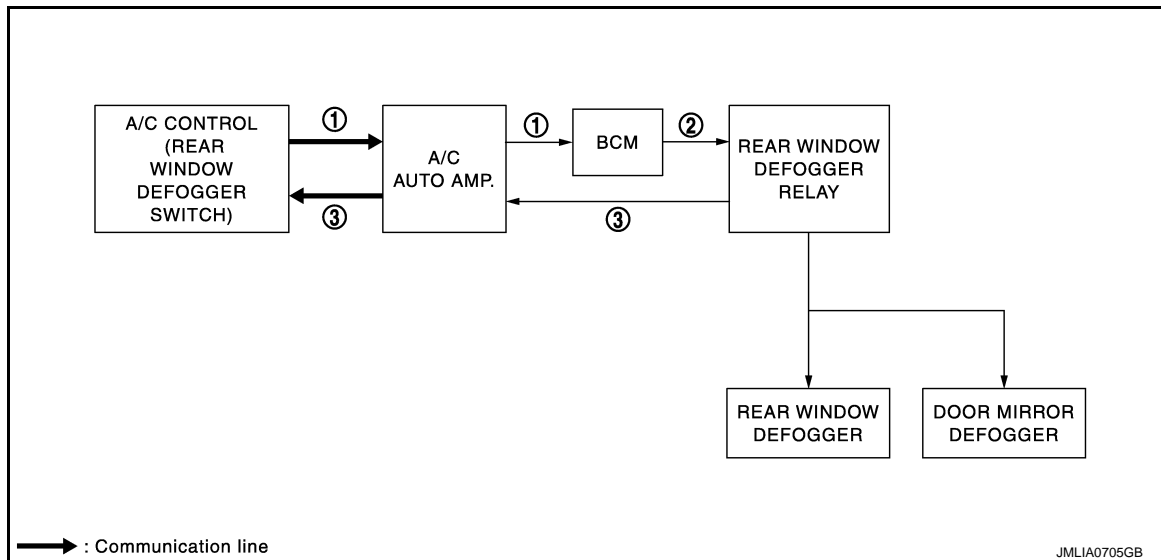
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[COUPE]

WITHOUT NAVIGATION : System Diagram

INFOID:000000006352082



1. Rear window defogger switch signal 2. Rear window defogger relay ON signal 3. Rear window defogger ON signal

WITHOUT NAVIGATION : System Description

INFOID:000000006352083

OPERATION DESCRIPTION

- Turn rear window defogger switch ON when the ignition switch is ON. Then A/C control (rear window defogger switch) transmits rear window defogger switch signal to A/C auto amp. and BCM.
- BCM turns rear window defogger relay ON when rear window defogger switch signal is received.
- Rear window defogger and door mirror defogger (with mirror defogger) are supplied with power and operates when rear window defogger relay turns ON.
- Rear window defogger relay transmits rear window defogger ON signal to A/C auto amp. when rear window defogger operates.
- At the same time, A/C auto amp. transmits rear defogger ON signal to A/C controller (rear window defogger switch) and illuminates rear window defogger switch indicator.

TIMER FUNCTION

- BCM turns rear window defogger relay ON for approximately 15 minutes when rear window defogger switch is turned ON. It makes rear window defogger and door mirror defoggers (with 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 operation also occurs during timer operation, if the ignition switch is turned OFF.

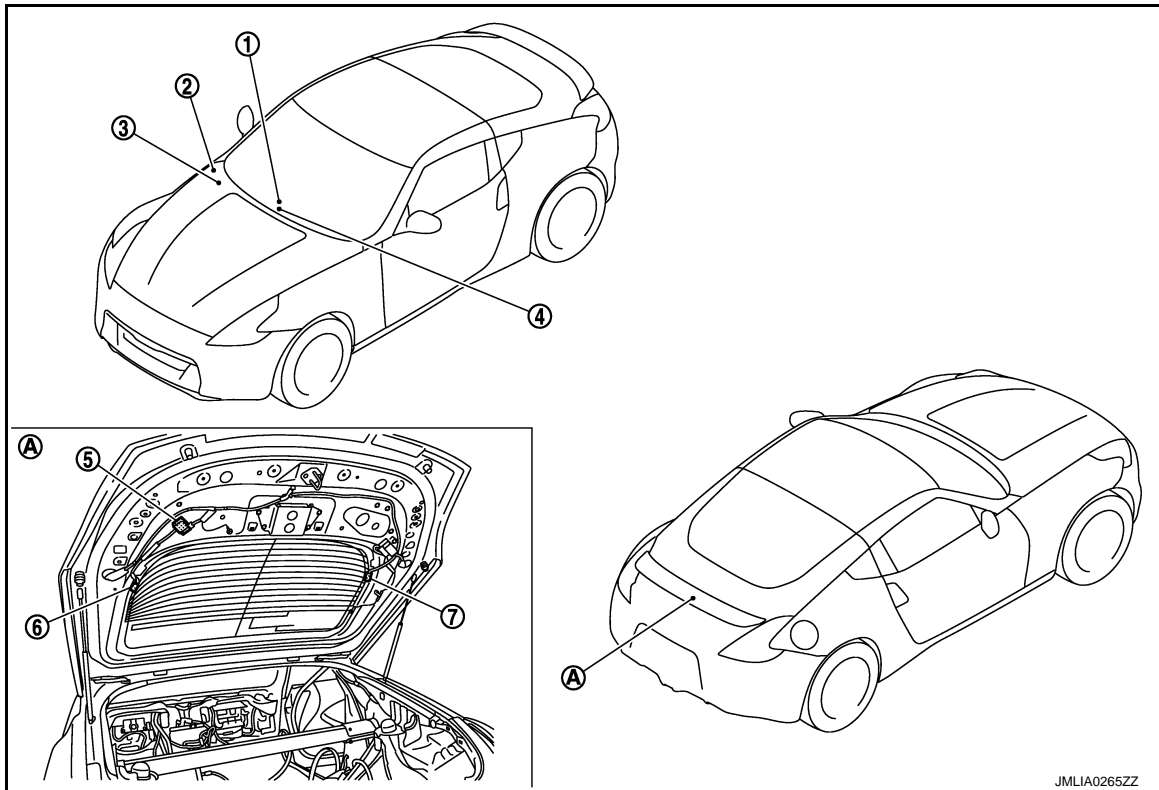
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[COUPE]

WITHOUT NAVIGATION : Component Parts Location

INFOID:000000006352084



1. A/C controller
2. IPDM E/R
Refer to [PCS-6, "Component Parts Location"](#).
3. BCM
Refer to [BCS-9, "Component Parts Location"](#).
4. A/C auto amp.
Refer to [HAC-22, "Component Parts Location"](#).
5. Condenser
6. Rear window defogger connector
7. Rear window defogger connector
- A. Behind back door assembly

WITHOUT NAVIGATION : Component Description

INFOID:000000006352085

| | |
|--|--|
| A/C control (Rear window defogger switch) | <ul style="list-style-type: none">The rear window defogger switch is installed.Turns the indicator lamp ON when detecting the operation of rear window defogger relay. |
| A/C auto amp. | Transmit rear window defogger switch signal to BCM via CAN communication. |
| BCM | <ul style="list-style-type: none">Operates the rear window defogger relay with the operation of rear window defogger switch.Performs the timer control of rear window defogger relay. |
| Rear window defogger relay | Operates the rear window defogger and door mirror defogger (with mirror defogger) with the control signal from BCM. |
| Rear window defogger | Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up. |
| Door mirror defogger (with mirror defogger) | Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up. |

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT-III Function (BCM - COMMON ITEM)

INFOID:000000006352086

APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with BCM.

| Diagnosis mode | Function Description |
|--------------------------|--|
| Work Support | Changes the setting for each system function. |
| Self Diagnostic Result | Displays the diagnosis results judged by BCM. |
| CAN Diag Support Monitor | Monitors the reception status of CAN communication viewed from BCM. Refer to CONSULT-III operation manual. |
| Data Monitor | The BCM input/output signals are displayed. |
| Active Test | The signals used to activate each device are forcibly supplied from BCM. |
| Ecu Identification | The BCM part number is displayed. |
| Configuration | <ul style="list-style-type: none">Read and save the vehicle specification.Write the vehicle specification when replacing BCM. |

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

It can perform the diagnosis modes except the following for all sub system selection items.

×: Applicable item

| System | Sub system selection item | Diagnosis mode | | |
|--|-----------------------------|----------------|--------------|-------------|
| | | Work Support | Data Monitor | Active Test |
| Door lock | DOOR LOCK | × | × | × |
| Rear window defogger | REAR DEFOGGER | | × | × |
| Warning chime | BUZZER | | × | × |
| Interior room lamp timer | INT LAMP | × | × | × |
| Exterior lamp | HEAD LAMP | × | × | × |
| Wiper and washer | WIPER | × | × | × |
| Turn signal and hazard warning lamps | FLASHER | × | × | × |
| — | AIR CONDITONER* | | | |
| <ul style="list-style-type: none">Intelligent Key systemEngine start system | INTELLIGENT KEY | × | × | × |
| Combination switch | COMB SW | | × | |
| Body control system | BCM | × | | |
| IVIS - NATS | IMMU | | × | × |
| Interior room lamp battery saver | BATTERY SAVER | × | × | × |
| Back door/Trunk lid open | TRUNK | | × | × |
| Vehicle security system | THEFT ALM | × | × | × |
| RAP system | RETAINED PWR | | × | |
| Signal buffer system | SIGNAL BUFFER | | × | × |
| TPMS | TPMS (AIR PRESSURE MONITOR) | × | × | × |

NOTE:

*: This item is displayed, but is not used.

FREEZE FRAME DATA (FFD)

The BCM records the following vehicle condition at the time a particular DTC is detected, and displays on CONSULT-III.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

| CONSULT screen item | Indication/Unit | Description | | |
|---------------------|-----------------|--|--|-----|
| Vehicle Speed | km/h | Vehicle speed of the moment a particular DTC is detected | | A |
| Odo/Trip Meter | km | Total mileage (Odometer value) of the moment a particular DTC is detected | | |
| Vehicle Condition | SLEEP>LOCK | Power position status of the moment a particular DTC is detected | While turning BCM status from low power consumption mode to normal mode (Power supply position is "LOCK") | B |
| | SLEEP>OFF | | While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF".) | C |
| | LOCK>ACC | | While turning power supply position from "LOCK" to "ACC" | |
| | ACC>ON | | While turning power supply position from "ACC" to "IGN" | D |
| | RUN>ACC | | While turning power supply position from "RUN" to "ACC" (Vehicle is stopping and selector lever is except P position.) | |
| | CRANK>RUN | | While turning power supply position from "CRANKING" to "RUN" (From cranking up the engine to run it) | E |
| | RUN>URGENT | | While turning power supply position from "RUN" to "ACC" (Emergency stop operation) | |
| | ACC>OFF | | While turning power supply position from "ACC" to "OFF" | F |
| | OFF>LOCK | | While turning power supply position from "OFF" to "LOCK" | |
| | OFF>ACC | | While turning power supply position from "OFF" to "ACC" | G |
| | ON>CRANK | | While turning power supply position from "IGN" to "CRANKING" | |
| | OFF>SLEEP | | While turning BCM status from normal mode (Power supply position is "OFF".) to low power consumption mode | H |
| | LOCK>SLEEP | | While turning BCM status from normal mode (Power supply position is "LOCK".) to low power consumption mode | |
| | LOCK | | Power supply position is "LOCK" (Ignition switch OFF with steering is locked.) | I |
| | OFF | | Power supply position is "OFF" (Ignition switch OFF with steering is unlocked.) | J |
| | ACC | | Power supply position is "ACC" (Ignition switch ACC) | |
| | ON | | Power supply position is "IGN" (Ignition switch ON with engine stopped) | K |
| | ENGINE RUN | | Power supply position is "RUN" (Ignition switch ON with engine running) | |
| | CRANKING | | Power supply position is "CRANKING" (At engine cranking) | DEF |
| IGN Counter | 0 - 39 | The number of times that ignition switch is turned ON after DTC is detected <ul style="list-style-type: none"> • The number is 0 when a malfunction is detected now. • The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. • The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. | | M |

REAR WINDOW DEFOGGER

REAR WINDOW DEFOGGER : CONSULT-III Function (BCM - REAR DEFOGGER)

INFOID:000000006352087

Data monitor

| Monitor Item | Description |
|--------------|---|
| REAR DEF SW | <ul style="list-style-type: none"> • Without navigation: Displays "Press (ON)/other (OFF)" status determined with the rear window defogger switch • With navigation: This is displayed even when it is not equipped |
| PUSH SW | Indicates [ON/OFF] condition of push switch |

ACTIVE TEST

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

| Test Item | Description |
|---------------|---|
| REAR DEFOGGER | This test is able to check rear window defogger operation. Rear window defogger operates when "ON" on CONSULT-III screen is touched |

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM

BCM : Diagnosis Procedure

INFOID:000000006352088

1.CHECK FUSE AND FUSIBLE LINK

Check that the following fuse and fusible link are not blown.

| Signal name | Fuse and fusible link No. |
|----------------------|---------------------------|
| Battery power supply | K |
| | 10 |

Is the fuse fusing?

YES >> Replace the blown fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown.

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connectors.
3. Check voltage between BCM harness connector and ground.

| Terminals | | Voltage (Approx.) |
|-----------|----------|-------------------------------|
| (+) | (-) | |
| BCM | | Ground Battery voltage |
| Connector | Terminal | |
| M118 | 1 | |
| M119 | 11 | |

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3.CHECK GROUND CIRCUIT

Check continuity between BCM harness connector and ground.

| BCM | | Ground | Continuity |
|-----------|----------|--------|------------|
| Connector | Terminal | | |
| M119 | 13 | | Existed |

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

REAR WINDOW DEFOGGER SWITCH

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

REAR WINDOW DEFOGGER SWITCH WITH NAVIGATION

WITH NAVIGATION : Description

INFOID:000000006352089

- The rear window defogger and door mirror defogger (with mirror defogger) are operated by turning the rear window defogger switch ON.
- The indicator lamp in the multifunction switch illuminates when the rear window defogger and door mirror defogger (with door mirror defogger) are operating.

WITH NAVIGATION : Component Function Check

INFOID:000000006352090

1.CHECK FUNCTION

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

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.
NO >> Refer to [DEF-14. "WITH NAVIGATION : Diagnosis Procedure"](#).

WITH NAVIGATION : Diagnosis Procedure

INFOID:000000006352091

1.CHECK MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH)

Check multifunction switch (rear window defogger switch) operate.

Refer to [AV-152. "On Board Diagnosis Function"](#).

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Repair or replace the malfunctioning parts.

WITHOUT NAVIGATION

WITHOUT NAVIGATION : Description

INFOID:000000006352092

- The rear window defogger is operated by turning the rear window defogger switch ON.
- The indicator lamp in the A/C controller illuminates when the rear window defogger is operating.

WITHOUT NAVIGATION : Component Function Check

INFOID:000000006352093

1.CHECK FUNCTION

⑧ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" or "BCM" using CONSULT-III.
3. Select "REAR DEF SW" in "DATA MONITOR" mode.
4. Check that the function operates normally according to the following conditions.

| Monitor item | Condition | | Status |
|--------------|-----------------------------|-----|--------|
| REAR DEF SW | Rear window defogger switch | ON | On |
| | | OFF | Off |

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.
NO >> Refer to [DEF-14. "WITHOUT NAVIGATION : Diagnosis Procedure"](#).

WITHOUT NAVIGATION : Diagnosis Procedure

INFOID:000000006352094

1.CHECK A/C CONTROL (REAR WINDOW DEFOGGER SWITCH)

Check A/C control system.

Refer to [HAC-5. "Work Flow"](#).

Is the inspection result normal?

- YES >> GO TO 2.

REAR WINDOW DEFOGGER SWITCH

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace the malfunctioning parts.

2.CHECK BCM OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect A/C auto amp. connector.
3. Turn ignition switch ON.
4. Check signal between A/C auto amp. harness connector and ground with oscilloscope.

| (+) | | (-) | Signal (Reference value) |
|---------------|----------|--------|--|
| A/C auto amp. | | | |
| Connector | Terminal | | |
| M66 | 27 | Ground | <div><div>(V)</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div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|

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-84. "BASE AUDIO : Removal and Installation"](#) (Base audio) or [HAC-85. "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#) (Bose audio without navigation).

NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector.
3. Check continuity between BCM harness connector and A/C auto amp. connector.

| BCM | | A/C auto amp. | | Continuity |
|-----------|----------|---------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M123 | 130 | M66 | 27 | Existed |

4. Check continuity between BCM harness connector and ground.

| BCM | | Ground | Continuity |
|-----------|----------|--------|-------------|
| Connector | Terminal | | |
| M123 | 130 | | Not existed |

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-92. "Removal and Installation"](#).

NO >> Repair or replace harness.

REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER RELAY

Description

INFOID:000000006352095

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

Component Function Check

INFOID:000000006352096

1.CHECK FUNCTION

④ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

- YES >> Rear window defogger relay power supply circuit function is OK.
NO >> Refer to [DEF-16. "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352097

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.3, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK REAR WINDOW DEFOGGER RELAY CIRCUIT 1

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

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|-----------|----------|--------|------------------------------|-----|--------------------------|
| BCM | | | | | |
| Connector | Terminal | | | | |
| M123 | 151 | Ground | Rear window de-fogger switch | ON | 0 |
| | | | | OFF | Battery voltage |

Is the inspection result normal?

- YES >> GO TO 6.
NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER RELAY CIRCUIT 2

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

| BCM | | Fuse block (J/B) | | Continuity |
|-----------|----------|------------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M123 | 151 | M2 | 4B | Existed |

4. Check continuity between BCM harness connector and ground.

| BCM | | Ground | Continuity |
|-----------|----------|--------|-------------|
| Connector | Terminal | | |
| M123 | 151 | | Not existed |

REAR WINDOW DEFOGGER RELAY

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

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

4.CHECK REAR WINDOW DEFOGGER RELAY

1. Remove rear window defogger relay,
 2. Check rear window defogger relay.
- Refer to [DEF-17. "Component Inspection"](#)

Is the inspection result normal?

- YES >> GO TO 5.
NO >> Replace rear window defogger relay.

5.CHECK FUSE BLOCK (J/B)

1. Install the rear window defogger relay.
2. Turn ignition switch ON.
3. Check voltage between fuse block (J/B) (fuse block side) and ground.

| (+) | | (-) | Voltage (V) (Approx.) |
|------------------|----------|--------|--------------------------|
| Fuse block (J/B) | | | |
| Connector | Terminal | | |
| M2 | 4B | Ground | Battery voltage |

Is the inspection result normal?

- YES >> GO TO 6.
NO >> Repair or replace fuse block (J/B).

6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.
Refer to [GI-43. "Intermittent Incident"](#).

>> INSPECTION END

Component Inspection

INFOID:000000006352098

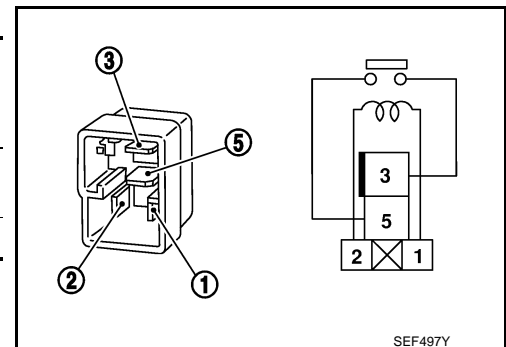
1.CHECK REAR WINDOW DEFOGGER RELAY

1. Turn ignition switch OFF.
2. Remove rear window defogger relay.
3. Check continuity between rear window defogger relay terminals.

| Terminal | | Condition | Continuity |
|----------------------------|---|--|-------------|
| Rear window defogger relay | | | |
| 3 | 5 | 12 V direct current supply between terminals 1 and 2 | Existed |
| | | No current supply | Not existed |

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Replace rear window defogger relay.



REAR WINDOW DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER

Description

INFOID:000000006352099

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:000000006352100

1.CHECK REAR WINDOW DEFOGGER

④ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

- YES >> Rear window defogger is OK.
NO >> Refer to [DEF-18, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352101

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 20A fuse [No.14, No.15, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch ON.
2. Check voltage between rear window defogger harness connector and ground.

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|----------------------|----------|--------|-----------------------------|-----|--------------------------|
| Rear window defogger | | | | | |
| Connector | Terminal | | | | |
| D201 | 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

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

| Rear window defogger | | Ground | Continuity |
|----------------------|----------|--------|------------|
| Connector | Terminal | | |
| D107 | 2 | | Existed |

Is the inspection result normal?

- YES >> GO TO 7.
NO >> Repair or replace harness.

4.CHECK REAR WINDOW DEFOGGER CIRCUIT 1

REAR WINDOW DEFOGGER

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

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

| Condenser | | Rear window defogger | | Continuity |
|-----------|----------|----------------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| D106 | 1 | D201 | 1 | Existed |

4. Check continuity between condenser (condenser side) connector and ground.

| Condenser | | Ground | Continuity |
|-----------|----------|--------|-------------|
| Connector | Terminal | | |
| D106 | 1 | | Not existed |

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace condenser. Refer to [DEF-87. "Removal and Installation"](#)

5.CHECK REAR WINDOW DEFOGGER CIRCUIT 2

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

| Fuse block (J/B) | | Condenser | | Continuity |
|------------------|----------|-----------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| B6 | 10G | D106 | 1 | Existed |
| | 11G | | | |

3. Check continuity between fuse block (J/B) harness connector and ground.

| Fuse block (J/B) | | Ground | Continuity |
|------------------|----------|--------|-------------|
| Connector | Terminal | | |
| B6 | 10G | | Not existed |
| | 11G | | |

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

6.CHECK FUSE BLOCK (J/B)

1. Turn ignition switch ON.
2. Check voltage between fuse block (J/B) (fuse block side) and ground.

| (+) Fuse block (J/B) | | (-) | Condition | | Voltage (V) (Approx.) |
|----------------------|----------|--------|-----------------------------|-----|--------------------------|
| Connector | Terminal | | | | |
| B6 | 10G | Ground | Rear window defogger switch | ON | Battery voltage |
| | | | | OFF | 0 |
| | 11G | | | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

YES >> GO TO 8.

NO >> Repair or replace fuse block (J/B).

7.CHECK FILAMENT

Check filament.

A

B

C

D

E

F

G

H

I

J

K

DEF

M

N

O

P

REAR WINDOW DEFOGGER

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

Refer to [DEF-20, "Component Inspection"](#)

Is the inspection result normal?

YES >> GO TO 8.

NO >> Repair or replace filament. Refer to [DEF-85, "Inspection and Repair"](#).

8.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-43, "Intermittent Incident"](#).

>> INSPECTION END

Component Inspection

INFOID:000000006352102

1.CHECK FILAMENT

Check the filament for damage.

Refer to [DEF-85, "Inspection and Repair"](#)

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair filament.

REAR WINDOW DEFOGGER ON SIGNAL

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER ON SIGNAL

Description

INFOID:000000006352103

Turns the indicator lamp in the rear window defogger switch ON when operating the rear window defogger.

Component Function Check

INFOID:000000006352104

1.CHECK FUNCTION

Check that the indicator lamps of rear window defogger switch are illuminated when turning the rear window defogger switch ON.

Is the inspection result normal?

YES >> Rear window defogger ON signal function is OK.

NO >> Refer to [DEF-21. "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000006352105

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.13, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK REAR WINDOW DEFOGGER INDICATOR LAMP ON SIGNAL

1. Turn ignition switch ON.
2. Check voltage between A/C auto amp. harness connector ground.

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|---------------|----------|--------|-----------------------------|-----|--------------------------|
| A/C auto amp. | | | | | |
| Connector | Terminal | | | | |
| M66 | 26 | Ground | Rear window defogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-84. "BASE AUDIO : Removal and Installation"](#) (base audio) or [HAC-85. "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#) (Bose audio without navigation).

NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER INDICATOR LAMP CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector and A/C auto amp. connector.
3. Check continuity between fuse block (J/B) harness connector and A/C auto amp. harness connector.

| Fuse block (J/B) | | A/C auto amp. | | Continuity |
|------------------|----------|---------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M3 | 9C | M66 | 26 | Existed |

4. Check continuity between fuse block (J/B) harness connector and ground.

| Fuse block (J/B) | | Ground | Continuity |
|------------------|----------|--------|-------------|
| Connector | Terminal | | |
| M3 | 9C | | Not existed |

Is the inspection result normal?

YES >> Repair or replace fuse block (J/B).

REAR WINDOW DEFOGGER ON SIGNAL

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

NO >> Repair or replace harness.

DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DOOR MIRROR DEFOGGER

Description

INFOID:000000006352106

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:000000006352107

1.CHECK DOOR MIRROR DEFOGGER

ⓘ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that both side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Door mirror defogger is OK.
NO >> Refer to [DEF-23, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352108

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.13, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK POWER SUPPLY CIRCUIT

1. Disconnect fuse block (J/B) connector.
2. Turn ignition switch ON.
3. Check voltage between fuse block (J/B) connector and ground.

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|------------------|----------|--------|-----------------------------|-----|--------------------------|
| Fuse block (J/B) | | | | | |
| Connector | Terminal | | | | |
| M3 | 9C | Ground | Rear window defogger switch | ON | Battery voltage |
| | | | | OFF | 0 |
| | 10C | | Rear window defogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace fuse block (J/B).

3.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-43, "Intermittent Incident"](#).

>> INSPECTION END

A
B
C
D
E
F
G
H
I
J
K
DEF
M
N
O
P

DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DRIVER SIDE DOOR MIRROR DEFOGGER

Description

INFOID:000000006352109

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:000000006352110

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

1. Perform Active Test ("REAR DEFOGGER") with CONSULT-III.
2. Touch "ON".
3. Check that the driver side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Driver side door mirror defogger is OK.
NO >> Refer to [DEF-24, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352111

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (driver side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (driver side) harness connector and ground.

| (+)Door mirror (driver side) | | (-) | Condition | | Voltage (V) (Approx.) |
|------------------------------|----------|--------|-----------------------------|-----|--------------------------|
| Connector | Terminal | | | | |
| D3 | 4 | Ground | Rear window defogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

- YES >> GO TO 3.
NO >> GO TO 2.

2.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between fuse block (J/B) harness connector and door mirror (driver side) harness connector.

| Fuse block (J/B) | | Door mirror (driver side) | | Continuity |
|------------------|----------|---------------------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M3 | 10C | D3 | 4 | Existed |

3. Check continuity between fuse block (J/B) harness connector and ground.

| Fuse block (J/B) | | Ground | Continuity |
|------------------|----------|--------|-------------|
| Connector | Terminal | | |
| M3 | 10C | | Not existed |

Is the inspection result normal?

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

3.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (driver side) harness connector and ground.

DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

| Door mirror (driver side) | | Ground | Continuity |
|---------------------------|----------|--------|------------|
| Connector | Terminal | | |
| D3 | 8 | | Existed |

Is the inspection result normal?

YES >> Replace door mirror glass (driver side). Refer to [GW-20, "Removal and Installation"](#).

NO >> Repair or replace harness.

4.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-43, "Intermittent Incident"](#).

Is the inspection result normal?

>> INSPECTION END

A
B
C
D
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DEF
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O
P

DEF

PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

PASSENGER SIDE DOOR MIRROR DEFOGGER

Description

INFOID:000000006352112

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:000000006352113

1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

1. Perform Active Test ("REAR DEFOGGER") with CONSULT-III.
2. Touch "ON".
3. Check that the passenger side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Passenger side door mirror defogger is OK.
NO >> Refer to [DEF-26, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352114

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (passenger side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (passenger side) harness connector and ground.

| (+)Door mirror (passenger side) | | (-) | Condition | | Voltage (V) (Approx.) |
|---------------------------------|----------|--------|-----------------------------|-----|--------------------------|
| Connector | Terminal | | | | |
| D33 | 4 | Ground | Rear window defogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

- YES >> GO TO 3.
NO >> GO TO 2.

2.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between fuse block (J/B) harness connector and door mirror (passenger side) harness connector.

| Fuse block (J/B) | | Door mirror (passenger side) | | Continuity |
|------------------|----------|------------------------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M3 | 9C | D33 | 4 | Existed |

3. Check continuity between fuse block (J/B) harness connector and ground.

| Fuse block (J/B) | | Ground | Continuity |
|------------------|----------|--------|-------------|
| Connector | Terminal | | |
| M3 | 9C | | Not existed |

Is the inspection result normal?

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

3.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (passenger side) harness connector and ground.

PASSENGER SIDE DOOR MIRROR DEFOGGER

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

| Door mirror (passenger side) | | Ground | Continuity |
|------------------------------|----------|--------|------------|
| Connector | Terminal | | |
| D33 | 8 | | Existed |

Is the inspection result normal?

- YES >> Replace door mirror glass (passenger side). Refer to [GW-20, "Removal and Installation"](#).
- NO >> Repair or replace harness.

4.CHECK INTERMITTENT INCIDENT

Check intermittent incident.
Refer to [GI-43, "Intermittent Incident"](#).

>> INSPECTION END

DEF

[COUPE]

REAR WINDOW DEFOGGER SYSTEM

Wiring Diagram - DEFOGGER (WITH NAVI) -

DEFOGGER (WITH NAVI)

BATTERY

IGNITION SWITCH ON or START

FUSE BLOCK (J/B)

REAR WINDOW DEFOGGER RELAY

BCM (BODY CONTROL MODULE) (M119, M122, M123)

SOFT TOP CONTROL UNIT (M304, M307)

REAR WINDOW DEFOGGER (E302, E307)

CONDENSER (D103, D201)

REAR WINDOW DEFOGGER (D107, D201)

DATA LINK CONNECTOR (M24)

AV CONTROL UNIT (M86)

MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH) (M72)

Legend:

- CP: Coupe models
- RS: Roadster models

Wiring Details:

- BATTERY to IGNITION SWITCH ON or START
- IGNITION SWITCH ON or START to FUSE BLOCK (J/B)
- FUSE BLOCK (J/B) to REAR WINDOW DEFOGGER RELAY
- REAR WINDOW DEFOGGER RELAY to BCM (BODY CONTROL MODULE) (M119, M122, M123)
- BCM (BODY CONTROL MODULE) (M119, M122, M123) to SOFT TOP CONTROL UNIT (M304, M307)
- SOFT TOP CONTROL UNIT (M304, M307) to REAR WINDOW DEFOGGER (E302, E307)
- REAR WINDOW DEFOGGER (E302, E307) to CONDENSER (D103, D201)
- CONDENSER (D103, D201) to REAR WINDOW DEFOGGER (D107, D201)
- REAR WINDOW DEFOGGER (D107, D201) to DATA LINK CONNECTOR (M24)
- DATA LINK CONNECTOR (M24) to AV CONTROL UNIT (M86)
- AV CONTROL UNIT (M86) to MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH) (M72)

Star (*) Note: This connector is not shown in "Harness Layout".

2010/09/22

ICI WA4536G

★: This connector is not shown in "Harness Layout".

2010/09/22

JCLWA4526GB

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITH NAVI)

| | |
|----------------|------------------|
| Connector No. | B6 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FBR-CS |



| | | | | |
|-----|----|----|----|----|
| 5G | 4G | 3G | 2G | 1G |
| 12G | 1G | 1G | 9G | 8G |
| 7G | 6G | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 5G | LG | W |
| 10G | P | W |
| 11G | W | W |
| 12G | Y | W |

| | |
|----------------|--------------|
| Connector No. | B51 |
| Connector Name | WIRE TO WIRE |
| Connector Type | M04MW-LC |



| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | Y | B |
| 4 | B | W |

| | |
|----------------|--------------|
| Connector No. | B32 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS |



| | | | | | | |
|----|----|----|----|----|----|----|
| 57 | 56 | 55 | 54 | 53 | 52 | 51 |
| 56 | 63 | 64 | 63 | 62 | 61 | 60 |
| 59 | 58 | | | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 52 | P | G |
| 53 | R | B |
| 54 | B | W |
| 55 | V | B |
| 56 | B | W |
| 57 | B | W |
| 58 | Y | W |
| 59 | B | W |
| 60 | LG | W |
| 61 | L | W |
| 62 | L | W |
| 63 | L | W |
| 64 | B | W |
| 65 | Y | W |
| 66 | Y | W |

| | |
|----------------|--------------|
| Connector No. | B302 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MW-CS |



| | | | | | | |
|----|----|----|----|----|----|----|
| 51 | 52 | 53 | 54 | 55 | 56 | 57 |
| 58 | 59 | 60 | 61 | 62 | 63 | 64 |
| 65 | 66 | | | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 52 | R | W |
| 53 | R | W |
| 54 | V | W |
| 55 | B | W |
| 56 | B | W |
| 57 | B | W |
| 58 | SG | W |
| 59 | DG | W |
| 60 | DG | W |
| 61 | R | W |
| 62 | R | W |
| 63 | R | W |
| 64 | B | W |
| 65 | R | W |
| 66 | R | W |

| | |
|----------------|-----------------------|
| Connector No. | B304 |
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | NS12FW-CS |



| | | | | |
|----|----|----|----|----|
| 48 | 49 | 50 | 51 | 52 |
| 41 | 42 | 43 | 44 | 45 |
| 46 | 47 | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 41 | DG | TRUNK OPENER ACTUATOR |
| 48 | R | REAR WINDOW DEF IN 2 |
| 49 | R | REAR WINDOW DEF IN 1 |

| | |
|----------------|-----------------------|
| Connector No. | B307 |
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | NS16FW-CS |



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| 103 | 103 | 107 | 108 | 103 | 110 | 111 |
| 96 | 97 | 98 | 99 | 100 | 101 | 102 |
| 103 | 104 | | | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 96 | W | SWITCHING VALVE 4 |
| 97 | LG | SWITCHING VALVE 3 |
| 98 | L | SWITCHING VALVE 2 |
| 99 | O | SWITCHING VALVE 1 |
| 100 | BR | HYDRAULIC PUMP RELAY 2 + |
| 101 | SB | HYDRAULIC PUMP RELAY 1 + |
| 102 | P | SWITCHING VALVE 5 |
| 103 | B | HYDRAULIC UNIT GND |
| 104 | R | REAR WINDOW DEF OUT 2 |
| 111 | R | REAR WINDOW DEF OUT 1 |

| | |
|----------------|----------------------|
| Connector No. | B311 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | |



| |
|---|
| 1 |
|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | W | W |

| | |
|----------------|----------------------|
| Connector No. | B318 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | |



| |
|---|
| 2 |
|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | W | W |

JCLWA4527GB

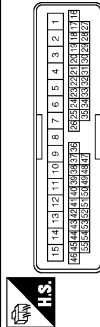
REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITH NAVI)

| Connector No. | Signal Name [Specification] |
|----------------|-----------------------------|
| D1 | WIRE TO WIRE |
| Connector Name | TH40FW-CS15 |
| Connector Type | |



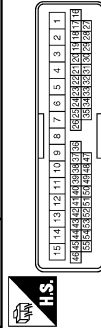
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7 | Y | - |
| 8 | Y | - |
| 9 | G | - |
| 10 | B | - |
| 11 | P | - [With BOSE system] |
| 12 | V | - [Without BOSE system] |
| 13 | L | - |
| 14 | B | - |
| 15 | W | - [Coupe models] |
| 16 | W | - [Roadster models] |
| 17 | W | - |
| 18 | G | - |
| 19 | G | - |
| 20 | R | - |
| 21 | L | - |
| 22 | B | - |
| 23 | B | - |
| 24 | W | - |
| 25 | W | - |
| 26 | W | - |
| 27 | W | - |
| 28 | W | - |
| 29 | W | - |
| 30 | W | - |
| 31 | R | - |
| 32 | V | - |
| 33 | B | - |
| 34 | B | - |
| 35 | G | - |

| Connector No. | Signal Name [Specification] |
|----------------|-----------------------------|
| D3 | DOOR MIRROR (DRIVER SIDE) |
| Connector Name | TH08MW-NH |
| Connector Type | |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | BR | - |
| 2 | L | - |
| 3 | Y | - |
| 4 | L | - |
| 8 | B | - |

| Connector No. | Signal Name [Specification] |
|----------------|-----------------------------|
| D31 | WIRE TO WIRE |
| Connector Name | TH40FW-CS15 |
| Connector Type | |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10 | V | - |
| 11 | LG | - |
| 12 | P | - [With BOSE system] |
| 13 | V | - [Without BOSE system] |
| 14 | L | - |
| 15 | W | - |
| 16 | W | - |
| 17 | W | - |
| 18 | W | - |
| 19 | P | - |
| 20 | L | - |
| 21 | L | - |
| 22 | Y | - |
| 23 | Y | - |
| 24 | Y | - |
| 25 | G | - |
| 26 | B | - |
| 27 | GR | - |
| 28 | GR | - |
| 29 | L | - |

| Connector No. | Signal Name [Specification] |
|----------------|------------------------------|
| D33 | DOOR MIRROR (PASSENGER SIDE) |
| Connector Name | TH08MW-NH |
| Connector Type | |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | B | - |
| 2 | GR | - |
| 3 | L | - |
| 4 | L | - |
| 8 | B | - |

| Connector No. | Signal Name [Specification] |
|----------------|-----------------------------|
| D101 | WIRE TO WIRE |
| Connector Name | MD0FW-LC |
| Connector Type | |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | Y | - |
| 4 | B | - |

| Connector No. | Signal Name [Specification] |
|----------------|-----------------------------|
| D106 | CONDENSER |
| Connector Name | MD0FW-LC |
| Connector Type | |



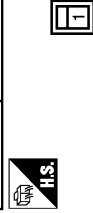
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | Y | - |

| Connector No. | Signal Name [Specification] |
|----------------|-----------------------------|
| D107 | REAR WINDOW DEFOGGER |
| Connector Name | P01FB-A |
| Connector Type | |



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

| Connector No. | Signal Name [Specification] |
|----------------|-----------------------------|
| D201 | REAR WINDOW DEFOGGER |
| Connector Name | P01FB-A |
| Connector Type | |



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

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

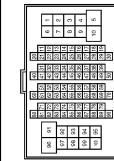
DEFOGGER (WITH NAVI)

| | |
|----------------|---|
| Connector No. | E6 |
| Connector Name | NAVIGATOR INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | TH08FW-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 39 | P | - |
| 40 | L | - |
| 41 | B/W | - |
| 42 | Y | - |
| 43 | SB | - |
| 44 | W | - |
| 45 | G | - |
| 46 | V | - |

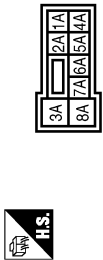
| | |
|----------------|-----------------|
| Connector No. | E106 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | Y | - |
| 3 | L | - |
| 4 | L | - |
| 7 | B | - |
| 8 | P | - |
| 9 | B | - |
| 11 | V | - |
| 12 | R | - |
| 13 | L | - |
| 14 | GR | - |
| 15 | P | - |
| 16 | W | - |
| 17 | SB | - |
| 20 | LG | - |

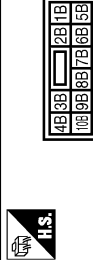
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---|
| 21 | BR | - [Coupe models] - [Roadster models] |
| 21 | G | - |
| 31 | L | - |
| 32 | Y | - |
| 33 | P | - |
| 34 | L | - |
| 35 | BR | - |
| 36 | V | - |
| 37 | Y | - |
| 38 | R | - |
| 39 | B | - |
| 40 | W | - |
| 41 | LG | - |
| 42 | SB | - |
| 43 | G | - |
| 44 | GR | - [Except for roadster models with M/T] - [Roadster models with M/T] |
| 45 | BG | - |
| 46 | W | - |
| 47 | P | - |
| 48 | SHIELD | - |
| 59 | L | - |
| 70 | P | - |
| 80 | W | - |
| 81 | P | - |
| 82 | G | - |
| 83 | V | - |
| 84 | L | - |
| 85 | BG | - |
| 86 | LG | - |
| 87 | R | - |
| 89 | P | - |
| 91 | W | - |
| 92 | L | - |
| 93 | G | - |
| 94 | Y | - |
| 96 | Y | - |
| 97 | BR | - |
| 98 | GR | - |
| 99 | LG | - |
| 100 | BG | - |

| | |
|----------------|------------------|
| Connector No. | M1 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS08FW-M2 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1A | V | - |
| 2A | G | - |
| 3A | L | - |
| 4A | P | - |
| 5A | L | - |
| 6A | Y | - |
| 7A | BR | - |
| 8A | L | - |

| | |
|----------------|------------------|
| Connector No. | M2 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS10FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3B | P | - |
| 4B | G | - |
| 5B | O | - |
| 6B | Y | - |
| 8B | R | - |
| 9B | SB | - |

| | |
|----------------|------------------|
| Connector No. | M3 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 6C | R | - |
| 7C | B | - |
| 9C | O | - |
| 10C | L | - |
| 11C | LG | - |
| 12C | O | - |

JCLWA4529GB

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REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITH NAVI)

| | |
|----------------|--------------|
| Connector No. | M5 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS15 |



| | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITH NAVI)

| | |
|----------------|---------------------------|
| Connector No. | M118 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | MS3FB-LC |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---------------------------------|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

| | |
|----------------|---------------------------|
| Connector No. | M119 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | NS16FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|------------------------------------|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW ILL POWER |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

| | |
|----------------|---------------------------|
| Connector No. | M122 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH4CFB-NH |



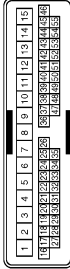
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--------------------------------------|
| 72 | L | ROOM ANT 2- |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT- |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT- |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1- |
| 79 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP |
| 81 | W | NATS ANT AMP |
| 82 | R | IGN RELAY (F/B) CONT |
| 83 | GR | KYLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 5 |
| 88 | V | COMBI SW INPUT 3 |
| 89 | BR | PUSH SW |
| 90 | P | CAN-L |
| 91 | L | CAN-H |
| 92 | LG | KEY SLOT ILL |
| 93 | V | ON IND |
| 95 | O | ACC RELAY CONT |
| 96 | Y | A/T SHIFT SELECTOR POWER SUPPLY |
| 97 | L | S/L CONDITION 1 |
| 98 | P | S/L CONDITION 2 |
| 99 | R | CLUTCH PEDAL POS SW (With M/T) |
| 99 | R | SHIFT P (With A/T) |
| 100 | GR | PASSENGER DOOR REQUEST SW |
| 101 | Y | DRIVER DOOR REQUEST SW |
| 102 | O | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KYLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | Y | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

| | |
|----------------|---------------------------|
| Connector No. | M123 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH4CFG-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN F/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFOGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM (Roadster models) |
| 132 | Y | POWER WINDOW SW COMM (Coupe models) |
| 133 | G | PUSH BUTTON IGNITION SW ILL POWER |
| 134 | GR | LOCK IND |
| 137 | P | RECEIVER/SENSOR GND |
| 139 | L | RECEIVER/SENSOR POWER SUPPLY |
| 139 | L | TIRE PRESS KYLS ENT (REAR) RECEIVE COMM |
| 140 | G | P/N POSITION SW (With M/T) |
| 141 | Y | SHIFT N/P (With A/T) |
| 141 | Y | SECURITY INDICATOR |
| 142 | O | COMBI SW OUTPUT 5 |
| 143 | P | COMBI SW OUTPUT 1 |
| 144 | G | COMBI SW OUTPUT 2 |
| 145 | L | COMBI SW OUTPUT 3 |
| 146 | SB | COMBI SW OUTPUT 4 |
| 150 | GR | DRIVER DOOR SW |
| 151 | G | REAR WINDOW DEFOGGER RELAY CONT |

| | |
|----------------|--------------|
| Connector No. | M124 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40MM-CS15 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10 | G | - |
| 11 | V | - |
| 12 | LG | - |
| 13 | V | - |
| 14 | B | - |
| 15 | W | - |
| 19 | Y | - |
| 23 | Y/B | - |
| 44 | O | - |
| 50 | Y | - |
| 51 | Y | - |
| 52 | GR | - |
| 53 | W | - |
| 54 | G | - |
| 55 | R | - |

JCLWA4531GB

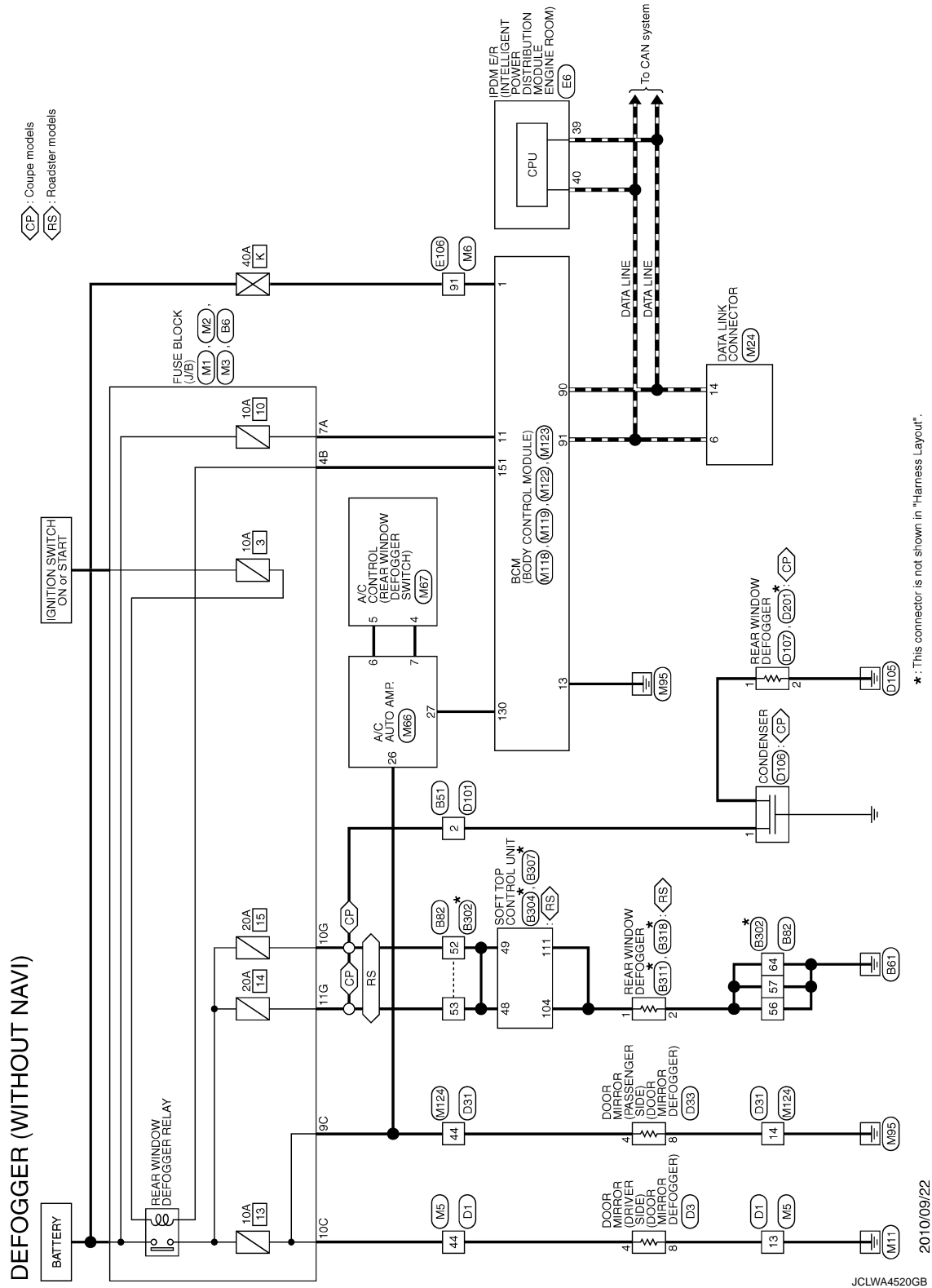
REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

Wiring Diagram - DEFOGGER (WITHOUT NAVI) -

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REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITHOUT NAVI)

| | |
|----------------|------------------|
| Connector No. | B6 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FBR-CS |



| | | | | |
|-----|----|-----|----|----|
| 5G | 4G | 8G | 2G | 1G |
| 12G | 1G | 10G | 9G | 8G |
| 7G | 6G | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 5G | LG | — |
| 10G | W | — [Coupe models] |
| 11G | P | — [Roadster models] |
| 11G | W | — [Coupe models] |
| 12G | Y | — [Roadster models] |

| | |
|----------------|--------------|
| Connector No. | B51 |
| Connector Name | WIRE TO WIRE |
| Connector Type | M04MW-LC |



| | |
|---|---|
| 1 | 2 |
| 3 | 4 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | Y | — |
| 4 | B | — |

| | |
|----------------|--------------|
| Connector No. | B32 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS |



| | | | | | | |
|----|----|----|----|----|----|----|
| 57 | 56 | 55 | 54 | 53 | 52 | 51 |
| 50 | 49 | 48 | 47 | 46 | 45 | 44 |
| 43 | 42 | 41 | 40 | 39 | 38 | 37 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 52 | P | — |
| 53 | G | — |
| 55 | R | — |
| 56 | B | — |
| 57 | B | — |
| 58 | Y | — |
| 59 | B | — |
| 60 | LG | — |
| 61 | L | — |
| 62 | L | — |
| 63 | L | — |
| 64 | B | — |
| 65 | Y | — |
| 66 | Y | — |

| | |
|----------------|--------------|
| Connector No. | B302 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MW-CS |



| | | | | | | |
|----|----|----|----|----|----|----|
| 51 | 52 | 53 | 54 | 55 | 56 | 57 |
| 58 | 59 | 60 | 61 | 62 | 63 | 64 |
| 65 | 66 | | | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 52 | R | — |
| 53 | R | — |
| 55 | V | — |
| 56 | B | — |
| 57 | B | — |
| 58 | SB | — |
| 59 | DG | — |
| 60 | DG | — |
| 61 | R | — |
| 62 | R | — |
| 63 | R | — |
| 64 | B | — |
| 65 | R | — |
| 66 | R | — |

| | |
|----------------|-----------------------|
| Connector No. | B304 |
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | NS12FW-CS |



| | | | | |
|----|----|----|----|----|
| 48 | 49 | 50 | 51 | 52 |
| 41 | 42 | 43 | 44 | 45 |
| 46 | 47 | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 41 | DG | TRUNK OPENER ACTUATOR |
| 48 | R | REAR WINDOW DEF IN 2 |
| 48 | R | REAR WINDOW DEF IN 1 |

| | |
|----------------|-----------------------|
| Connector No. | B307 |
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | NS16FW-CS |



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| 103 | 103 | 107 | 108 | 103 | 110 | 111 |
| 96 | 97 | 98 | 99 | 100 | 101 | 102 |
| 103 | 104 | | | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 96 | W | SWITCHING VALVE 4 |
| 97 | LG | SWITCHING VALVE 3 |
| 98 | L | SWITCHING VALVE 2 |
| 99 | O | SWITCHING VALVE 1 |
| 100 | BR | HYDRAULIC PUMP RELAY 2 + |
| 101 | SB | HYDRAULIC PUMP RELAY 1 + |
| 102 | P | SWITCHING VALVE 5 |
| 103 | B | HYDRAULIC UNIT GND |
| 104 | R | REAR WINDOW DEF OUT 2 |
| 111 | R | REAR WINDOW DEF OUT 1 |

| | |
|----------------|----------------------|
| Connector No. | B311 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | — |



| |
|---|
| 1 |
|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | — | — |

| | |
|----------------|----------------------|
| Connector No. | B318 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | — |



| |
|---|
| 2 |
|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | — | — |

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REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITHOUT NAVI)

| Connector No. | D1 |
|----------------|--------------|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-CS15 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | BR | - |
| 2 | L | - |
| 3 | Y | - |
| 4 | L | - |
| 8 | B | - |

| Connector No. | D31 |
|----------------|--------------|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-CS15 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7 | Y | - |
| 8 | Y | - |
| 9 | G | - |
| 10 | B | - |
| 11 | P | - [With BOSE system] |
| 11 | V | - [Without BOSE system] |
| 12 | L | - |
| 13 | B | - |
| 14 | SB | - [Coupe models] |
| 14 | Y | - [Roadster models] |
| 15 | W | - |
| 19 | G | - |
| 23 | R | - |
| 44 | L | - |
| 47 | B | - |
| 48 | SB | - |
| 49 | W | - |
| 50 | LG | - |
| 51 | R | - |
| 52 | V | - |
| 53 | B | - |
| 54 | GR | - |
| 55 | G | - |

| Connector No. | D3 |
|----------------|---------------------------|
| Connector Name | DOOR MIRROR (DRIVER SIDE) |
| Connector Type | TH08MW-NH |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | BR | - |
| 2 | L | - |
| 3 | Y | - |
| 4 | L | - |
| 8 | B | - |

| Connector No. | D31 |
|----------------|--------------|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-CS15 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---|
| 10 | V | - |
| 11 | LG | - |
| 12 | P | - [With BOSE system] |
| 12 | LG | - [Without BOSE system] |
| 13 | V | - [Coupe models without BOSE system] |
| 13 | L | - [Except for coupe models without BOSE system] |
| 14 | B | - |
| 15 | W | - |
| 19 | P | - |
| 23 | L | - |
| 44 | L | - |
| 50 | Y | - |
| 51 | Y | - |
| 52 | G | - |
| 53 | B | - |
| 54 | GR | - |
| 55 | L | - |

| Connector No. | D33 |
|----------------|------------------------------|
| Connector Name | DOOR MIRROR (PASSENGER SIDE) |
| Connector Type | TH08MW-NH |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | B | - |
| 2 | GR | - |
| 3 | L | - |
| 4 | L | - |
| 8 | B | - |

| Connector No. | D101 |
|----------------|--------------|
| Connector Name | WIRE TO WIRE |
| Connector Type | MD0FW-LC |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | B | - |
| 2 | GR | - |
| 3 | L | - |
| 4 | L | - |
| 8 | B | - |

| Connector No. | D101 |
|----------------|--------------|
| Connector Name | WIRE TO WIRE |
| Connector Type | MD0FW-LC |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---|
| 10 | V | - |
| 11 | LG | - |
| 12 | P | - [With BOSE system] |
| 12 | LG | - [Without BOSE system] |
| 13 | V | - [Coupe models without BOSE system] |
| 13 | L | - [Except for coupe models without BOSE system] |
| 14 | B | - |
| 15 | W | - |
| 19 | P | - |
| 23 | L | - |
| 44 | L | - |
| 50 | Y | - |
| 51 | Y | - |
| 52 | G | - |
| 53 | B | - |
| 54 | GR | - |
| 55 | L | - |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | Y | - |

| Connector No. | D107 |
|----------------|----------------------|
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | P01FB-A |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | B | - |
| 2 | GR | - |
| 3 | L | - |
| 4 | L | - |
| 8 | B | - |

| Connector No. | D201 |
|----------------|----------------------|
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | P01FB-A |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---|
| 10 | V | - |
| 11 | LG | - |
| 12 | P | - [With BOSE system] |
| 12 | LG | - [Without BOSE system] |
| 13 | V | - [Coupe models without BOSE system] |
| 13 | L | - [Except for coupe models without BOSE system] |
| 14 | B | - |
| 15 | W | - |
| 19 | P | - |
| 23 | L | - |
| 44 | L | - |
| 50 | Y | - |
| 51 | Y | - |
| 52 | G | - |
| 53 | B | - |
| 54 | GR | - |
| 55 | L | - |

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

| Connector No. | D106 |
|----------------|-----------|
| Connector Name | CONDENSER |
| Connector Type | MD1FW-LC |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | Y | - |
| 4 | B | - |

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REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

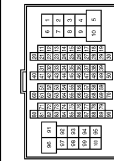
DEFOGGER (WITHOUT NAVI)

| | |
|----------------|--|
| Connector No. | E6 |
| Connector Name | SWAY & R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | TH08FW-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 39 | P | - |
| 40 | L | - |
| 41 | B/W | - |
| 42 | Y | - |
| 43 | SB | - |
| 44 | W | - |
| 45 | G | - |
| 46 | V | - |

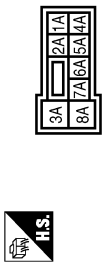
| | |
|----------------|-----------------|
| Connector No. | E106 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | Y | - |
| 3 | L | - |
| 4 | L | - |
| 7 | B | - |
| 8 | P | - |
| 9 | B | - |
| 11 | V | - |
| 12 | R | - |
| 13 | L | - |
| 14 | GR | - |
| 15 | P | - |
| 16 | W | - |
| 17 | SB | - |
| 20 | LG | - |

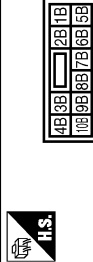
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---|
| 21 | BR | - [Coupe models] - [Roadster models] |
| 21 | G | - |
| 31 | L | - |
| 32 | Y | - |
| 33 | P | - |
| 34 | L | - |
| 35 | BR | - |
| 36 | V | - |
| 37 | Y | - |
| 38 | R | - |
| 39 | B | - |
| 40 | W | - |
| 41 | LG | - |
| 42 | SB | - |
| 43 | G | - |
| 44 | GR | - [Except for roadster models with M/T] - [Roadster models with M/T] |
| 45 | BG | - |
| 46 | W | - |
| 47 | P | - |
| 48 | SHIELD | - |
| 59 | L | - |
| 70 | P | - |
| 80 | W | - |
| 81 | P | - |
| 82 | G | - |
| 83 | V | - |
| 84 | L | - |
| 85 | BG | - |
| 86 | LG | - |
| 87 | R | - |
| 89 | P | - |
| 91 | W | - |
| 92 | L | - |
| 93 | G | - |
| 94 | Y | - |
| 96 | Y | - |
| 97 | BR | - |
| 98 | GR | - |
| 99 | LG | - |
| 100 | BG | - |

| | |
|----------------|------------------|
| Connector No. | M1 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS08FW-M2 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1A | V | - |
| 2A | G | - |
| 3A | L | - |
| 4A | P | - |
| 5A | L | - |
| 6A | Y | - |
| 7A | BR | - |
| 8A | L | - |

| | |
|----------------|------------------|
| Connector No. | M2 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS10FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3B | P | - |
| 4B | G | - |
| 5B | O | - |
| 6B | Y | - |
| 8B | R | - |
| 9B | SB | - |

| | |
|----------------|------------------|
| Connector No. | M3 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 6C | R | - |
| 7C | B | - |
| 9C | O | - |
| 10C | L | - |
| 11C | LG | - |
| 12C | O | - |

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REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITHOUT NAVI)

| | |
|----------------|--------------|
| Connector No. | M5 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS15 |



| | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 |
| 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | | | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | |

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITHOUT NAVI)

| | |
|----------------|---------------------------|
| Connector No. | M118 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | MS3FB-LC |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---------------------------------|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

| | |
|----------------|---------------------------|
| Connector No. | M119 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | NS16FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|------------------------------------|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW ILL POWER |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

| | |
|----------------|---------------------------|
| Connector No. | M122 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH4CFB-NH |



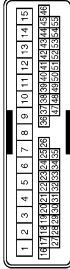
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--------------------------------------|
| 72 | L | ROOM ANT 2- |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT- |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT- |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1- |
| 79 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP |
| 81 | W | NATS ANT AMP |
| 82 | R | IGN RELAY (F/B) CONT |
| 83 | GR | KYLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 5 |
| 88 | V | COMBI SW INPUT 3 |
| 89 | BR | PUSH SW |
| 90 | P | CAN-L |
| 91 | L | CAN-H |
| 92 | LG | KEY SLOT ILL |
| 93 | V | ON IND |
| 95 | O | ACC RELAY CONT |
| 96 | Y | A/T SHIFT SELECTOR POWER SUPPLY |
| 97 | L | S/L CONDITION 1 |
| 98 | P | S/L CONDITION 2 |
| 99 | R | CLUTCH PEDAL POS SW (With M/T) |
| 99 | R | SHIFT P (With A/T) |
| 100 | GR | PASSENGER DOOR REQUEST SW |
| 101 | Y | DRIVER DOOR REQUEST SW |
| 102 | O | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KYLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | R | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

| | |
|----------------|---------------------------|
| Connector No. | M123 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH4CFG-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN F/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFOGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM (Roadster models) |
| 133 | Y | POWER WINDOW SW COMM (Coupe models) |
| 134 | GR | PUSH BUTTON IGNITION SW ILL POWER LOCK IND |
| 137 | P | RECEIVER/SENSOR GND |
| 139 | L | RECEIVER/SENSOR POWER SUPPLY |
| 140 | G | TIRE PRESS KYLS ENT (REAR) RECEIVE COMM |
| 140 | G | P/N POSITION SW (With M/T) |
| 141 | Y | SHIFT N/P (With A/T) |
| 141 | Y | SECURITY INDICATOR |
| 142 | O | COMBI SW OUTPUT 5 |
| 143 | P | COMBI SW OUTPUT 1 |
| 144 | G | COMBI SW OUTPUT 2 |
| 145 | L | COMBI SW OUTPUT 3 |
| 146 | SB | COMBI SW OUTPUT 4 |
| 150 | GR | DRIVER DOOR SW |
| 151 | G | REAR WINDOW DEFOGGER RELAY CONT |

| | |
|----------------|--------------|
| Connector No. | M124 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40MM-CS15 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10 | G | - |
| 11 | V | - |
| 12 | LG | - |
| 13 | V | - |
| 14 | B | - |
| 15 | W | - |
| 19 | Y | - |
| 23 | Y/B | - |
| 44 | O | - |
| 50 | Y | - |
| 51 | Y | - |
| 52 | GR | - |
| 53 | W | - |
| 54 | G | - |
| 55 | R | - |

JCLWA4525GB

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:000000006930011

VALUES ON THE DIAGNOSIS TOOL

CONSULT-III MONITOR ITEM

| Monitor Item | Condition | Value/Status |
|----------------|---|----------------------------------|
| FR WIPER HI | Other than front wiper switch HI | Off |
| | Front wiper switch HI | On |
| FR WIPER LOW | Other than front wiper switch LO | Off |
| | Front wiper switch LO | On |
| FR WASHER SW | Front washer switch OFF | Off |
| | Front washer switch ON | On |
| FR WIPER INT | Other than front wiper switch INT | Off |
| | Front wiper switch INT | On |
| FR WIPER STOP | Front wiper is not in STOP position | Off |
| | Front wiper is in STOP position | On |
| INT VOLUME | Wiper intermittent dial is in a dial position 1 - 7 | Wiper intermittent dial position |
| TURN SIGNAL R | Other than turn signal switch RH | Off |
| | Turn signal switch RH | On |
| TURN SIGNAL L | Other than turn signal switch LH | Off |
| | Turn signal switch LH | On |
| TAIL LAMP SW | Other than lighting switch 1ST and 2ND | Off |
| | Lighting switch 1ST or 2ND | On |
| HI BEAM SW | Other than lighting switch HI | Off |
| | Lighting switch HI | On |
| HEAD LAMP SW 1 | Other than lighting switch 2ND | Off |
| | Lighting switch 2ND | On |
| HEAD LAMP SW 2 | Other than lighting switch 2ND | Off |
| | Lighting switch 2ND | On |
| PASSING SW | Other than lighting switch PASS | Off |
| | Lighting switch PASS | On |
| AUTO LIGHT SW | Other than lighting switch AUTO | Off |
| | Lighting switch AUTO | On |
| FR FOG SW | NOTE: The item is indicated, but not monitored. | Off |
| RR FOG SW | Rear fog lamp switch OFF | Off |
| | Rear fog lamp switch ON | On |
| DOOR SW-DR | Driver door closed | Off |
| | Driver door opened | On |
| DOOR SW-AS | Passenger door closed | Off |
| | Passenger door opened | On |
| DOOR SW-RR | NOTE: The item is indicated, but not monitored. | Off |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Monitor Item | Condition | Value/Status | |
|---|---|--------------|-----|
| DOOR SW-RL | NOTE: The item is indicated, but not monitored. | Off | A |
| DOOR SW-BK | <ul style="list-style-type: none"> Back door closed (Coupe models) Trunk lid closed (Roadster models) | Off | B |
| | <ul style="list-style-type: none"> Back door opened (Coupe models) Trunk lid opened (Roadster models) | On | |
| CDL LOCK SW | Other than door lock and unlock switch LOCK | Off | C |
| | Door lock and unlock switch LOCK | On | |
| CDL UNLOCK SW | Other than door lock and unlock switch UNLOCK | Off | D |
| | Door lock and unlock switch UNLOCK | On | |
| KEY CYL LK-SW | Other than driver door key cylinder LOCK position | Off | E |
| | Driver door key cylinder LOCK position | On | |
| KEY CYL UN-SW | Other than driver door key cylinder UNLOCK position | Off | F |
| | Driver door key cylinder UNLOCK position | On | |
| KEY CYL SW-TR | NOTE: The item is indicated, but not monitored. | Off | |
| HAZARD SW | Hazard switch is OFF | Off | G |
| | Hazard switch is ON | On | |
| REAR DEF SW NOTE: For models with NAVI this item is not monitored. | Rear window defogger switch OFF | Off | H |
| | Rear window defogger switch ON | On | |
| H/L WASH SW | NOTE: The item is indicated, but not monitored. | Off | I |
| TR CANCEL SW | Trunk lid opener cancel switch OFF | Off | J |
| | Trunk lid opener cancel switch ON | On | |
| TR/BD OPEN SW | <ul style="list-style-type: none"> Back door opener switch OFF (Coupe models) Trunk lid opener switch OFF (Roadster models) | Off | K |
| | <ul style="list-style-type: none"> While the back door opener switch is turned ON (Coupe models) While the trunk lid opener switch is turned ON (Roadster models) | On | |
| TRNK/HAT MNTR | NOTE: The item is indicated, but not monitored. | Off | DEF |
| RKE-LOCK | LOCK button of the Intelligent Key is not pressed | Off | |
| | LOCK button of the Intelligent Key is pressed | On | |
| RKE-UNLOCK | UNLOCK button of the Intelligent Key is not pressed | Off | M |
| | UNLOCK button of the Intelligent Key is pressed | On | |
| RKE-TR/BD NOTE: For Coupe models this item is not monitored. | TRUNK OPEN button of the Intelligent Key is not pressed | Off | N |
| | TRUNK OPEN of the Intelligent Key is pressed | On | |
| RKE-PANIC | PANIC button of the Intelligent Key is not pressed | Off | O |
| | PANIC button of the Intelligent Key is pressed | On | |
| RKE-P/W OPEN | UNLOCK button of the Intelligent Key is not pressed | Off | P |
| | UNLOCK button of the Intelligent Key is pressed and held | On | |
| RKE-MODE CHG | LOCK/UNLOCK button of the Intelligent Key is not pressed and held simultaneously | Off | |
| | LOCK/UNLOCK button of the Intelligent Key is pressed and held simultaneously | On | |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Monitor Item | Condition | Value/Status |
|---|---|--------------|
| OPTICAL SENSOR | Bright outside of the vehicle | Close to 5 V |
| | Dark outside of the vehicle | Close to 0 V |
| REQ SW -DR | Driver door request switch is not pressed | Off |
| | Driver door request switch is pressed | On |
| REQ SW -AS | Passenger door request switch is not pressed | Off |
| | Passenger door request switch is pressed | On |
| REQ SW -RR | NOTE: The item is indicated, but not monitored. | Off |
| REQ SW -RL | NOTE: The item is indicated, but not monitored. | Off |
| REQ SW -BD/TR | <ul style="list-style-type: none"> Back door request switch is not pressed (Coupe models) Trunk lid door request switch is not pressed (Roadster models) | Off |
| | <ul style="list-style-type: none"> Back door request switch is pressed (Coupe models) Trunk lid door request switch is pressed (Roadster models) | On |
| PUSH SW | Push-button ignition switch (push switch) is not pressed | Off |
| | Push-button ignition switch (push switch) is pressed | On |
| IGN RLY2 -F/B | Ignition switch in OFF or ACC position | Off |
| | Ignition switch in ON position | On |
| ACC RLY -F/B | NOTE: The item is indicated, but not monitored. | Off |
| CLUCH SW NOTE: For A/T models this item is not monitored. | The clutch pedal is not depressed | Off |
| | The clutch pedal is depressed | On |
| BRAKE SW 1 | The brake pedal is depressed when No. 7 fuse is blown | Off |
| | The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal | On |
| BRAKE SW 2 | The brake pedal is not depressed | Off |
| | The brake pedal is depressed | On |
| DETE/CANCL SW NOTE: For M/T models with Synchro-Rev Match mode this item is not monitored. | <ul style="list-style-type: none"> Selector lever in P position (A/T models) The clutch pedal is depressed (M/T models without SynchroRev Match mode) | Off |
| | <ul style="list-style-type: none"> Selector lever in any position other than P (A/T models) The clutch pedal is not depressed (M/T models without SynchroRev Match mode) | On |
| SFT PN/N SW NOTE: For roadster M/T models and coupe M/T models without SynchroRev Match mode this item is not monitored. | <ul style="list-style-type: none"> Selector lever in any position other than P and N (A/T models) Control lever in any position other than neutral position (Coupe M/T models with SynchroRev Match mode) | Off |
| | <ul style="list-style-type: none"> Selector lever in P or N position (A/T models) Control lever in neutral position (Coupe M/T models with SynchroRev Match mode) | On |
| S/L -LOCK NOTE: For models without steering lock unit, this item is not monitored. | Steering is unlocked | Off |
| | Steering is locked | On |
| S/L -UNLOCK NOTE: For models without steering lock unit, this item is not monitored. | Steering is locked | Off |
| | Steering is unlocked | On |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Monitor Item | Condition | Value/Status | |
|---|--|-----------------------------------|-----|
| S/L RELAY-F/B NOTE: For models without steering lock unit, this item is not monitored. | Ignition switch in OFF or ACC position | Off | A |
| | Ignition switch in ON position | On | B |
| UNLK SEN -DR | Driver door is unlocked | Off | C |
| | Driver door is locked | On | |
| PUSH SW -IPDM | Push-button ignition switch (push-switch) is not pressed | Off | D |
| | Push-button ignition switch (push-switch) is pressed | On | |
| IGN RLY1 -F/B | Ignition switch in OFF or ACC position | Off | E |
| | Ignition switch in ON position | On | |
| DETE SW -IPDM | Selector lever in any position other than P | Off | F |
| | Selector lever in P position | On | |
| SFT PN -IPDM | <ul style="list-style-type: none"> Selector lever in any position other than P and N (A/T models) The clutch pedal is not depressed (M/T models) | Off | G |
| | <ul style="list-style-type: none"> Selector lever in P or N position (A/T models) The clutch pedal is depressed (M/T models) | On | |
| SFT P -MET | Selector lever in any position other than P | Off | H |
| | Selector lever in P position | On | |
| SFT N -MET | Selector lever in any position other than N | Off | I |
| | Selector lever in N position | On | |
| ENGINE STATE | Engine stopped | Stop | J |
| | While the engine stalls | Stall | |
| | At engine cranking | Crank | |
| | Engine running | Run | |
| S/L LOCK-IPDM NOTE: For models without steering lock unit, this item is not monitored. | Steering is unlocked | Off | K |
| | Steering is locked | On | |
| S/L UNLK-IPDM NOTE: For models without steering lock unit, this item is not monitored. | Steering is locked | Off | DEF |
| | Steering is unlocked | On | |
| S/L RELAY-REQ NOTE: For models without steering lock unit, this item is not monitored. | Steering lock system is not the LOCK condition and the changing condition from LOCK to UNLOCK | Off | M |
| | Steering lock system are not the LOCK condition or the changing condition from LOCK to UNLOCK | On | |
| VEH SPEED 1 | While driving | Equivalent to speedometer reading | O |
| VEH SPEED 2 | While driving | Equivalent to speedometer reading | |
| DOOR STAT-DR | Driver door is locked | LOCK | P |
| | Wait with selective UNLOCK operation (60 seconds) | READY | |
| | Driver door is unlocked | UNLOCK | |
| DOOR STAT-AS | Passenger door is locked | LOCK | |
| | Wait with selective UNLOCK operation (60 seconds) | READY | |
| | Passenger door is unlocked | UNLOCK | |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Monitor Item | Condition | Value/Status |
|----------------|---|--|
| ID OK FLAG | Steering is locked | Reset |
| | Steering is unlocked | Set |
| PRMT ENG STRT | The engine start is prohibited | Reset |
| | The engine start is permitted | Set |
| PRMT RKE STRT | NOTE: The item is indicated, but not monitored. | Reset |
| KEY SW -SLOT | The Intelligent Key is not inserted into key slot | Off |
| | The Intelligent Key is inserted into key slot | On |
| RKE OPE COUN1 | During the operation of the Intelligent Key | Operation frequency of the Intelligent Key |
| RKE OPE COUN2 | During the operation of the Intelligent Key | Operation frequency of the Intelligent Key |
| CONFIRM ID ALL | The key ID that the key slot receives is not recognized by any key ID registered to BCM. | Yet |
| | The key ID that the key slot receives is recognized by any key ID registered to BCM. | Done |
| CONFIRM ID4 | The key ID that the key slot receives is not recognized by the fourth key ID registered to BCM. | Yet |
| | The key ID that the key slot receives is recognized by the fourth key ID registered to BCM. | Done |
| CONFIRM ID3 | The key ID that the key slot receives is not recognized by the third key ID registered to BCM. | Yet |
| | The key ID that the key slot receives is recognized by the third key ID registered to BCM. | Done |
| CONFIRM ID2 | The key ID that the key slot receives is not recognized by the second key ID registered to BCM. | Yet |
| | The key ID that the key slot receives is recognized by the second key ID registered to BCM. | Done |
| CONFIRM ID1 | The key ID that the key slot receives is not recognized by the first key ID registered to BCM. | Yet |
| | The key ID that the key slot receives is recognized by the first key ID registered to BCM. | Done |
| TP 4 | The ID of fourth Intelligent Key is not registered to BCM | Yet |
| | The ID of fourth Intelligent Key is registered to BCM | Done |
| TP 3 | The ID of third Intelligent Key is not registered to BCM | Yet |
| | The ID of third Intelligent Key is registered to BCM | Done |
| TP 2 | The ID of second Intelligent Key is not registered to BCM | Yet |
| | The ID of second Intelligent Key is registered to BCM | Done |
| TP 1 | The ID of first Intelligent Key is not registered to BCM | Yet |
| | The ID of first Intelligent Key is registered to BCM | Done |
| AIR PRESS FL | Ignition switch ON (Only when the signal from the transmitter is received) | Air pressure of front LH tire |
| AIR PRESS FR | Ignition switch ON (Only when the signal from the transmitter is received) | Air pressure of front RH tire |
| AIR PRESS RR | Ignition switch ON (Only when the signal from the transmitter is received) | Air pressure of rear RH tire |
| AIR PRESS RL | Ignition switch ON (Only when the signal from the transmitter is received) | Air pressure of rear LH tire |
| ID REGST FL1 | ID of front LH tire transmitter is registered | Done |
| | ID of front LH tire transmitter is not registered | Yet |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Monitor Item | Condition | Value/Status |
|--------------|---|--------------|
| ID REGST FR1 | ID of front RH tire transmitter is registered | Done |
| | ID of front RH tire transmitter is not registered | Yet |
| ID REGST RR1 | ID of rear RH tire transmitter is registered | Done |
| | ID of rear RH tire transmitter is not registered | Yet |
| ID REGST RL1 | ID of rear LH tire transmitter is registered | Done |
| | ID of rear LH tire transmitter is not registered | Yet |
| WARNING LAMP | Tire pressure indicator OFF | Off |
| | Tire pressure indicator ON | On |
| BUZZER | Tire pressure warning alarm is not sounding | Off |
| | Tire pressure warning alarm is sounding | On |

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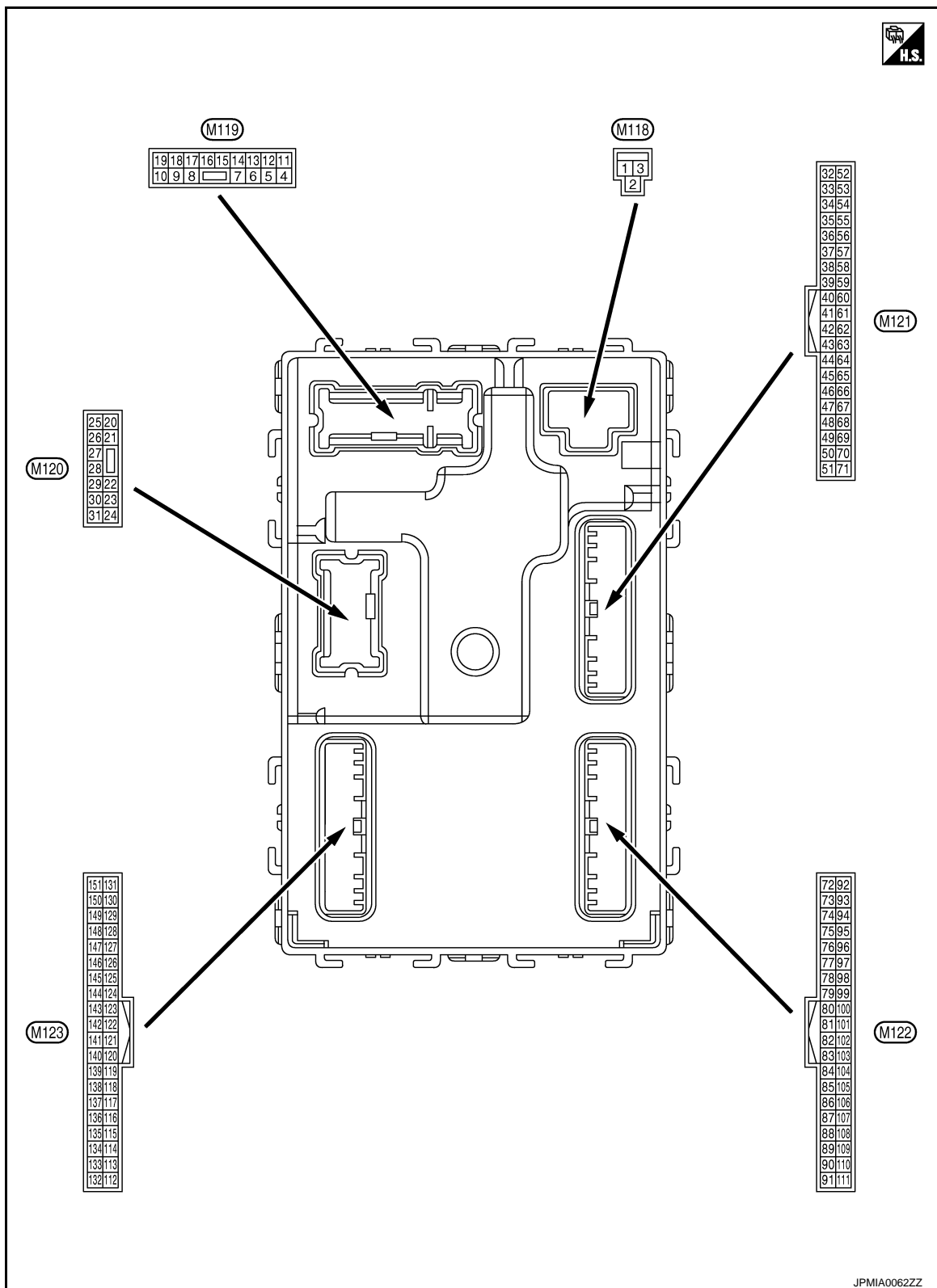
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

TERMINAL LAYOUT

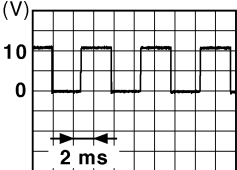


PHYSICAL VALUES

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

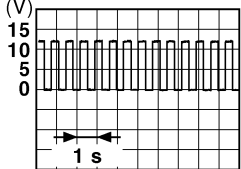
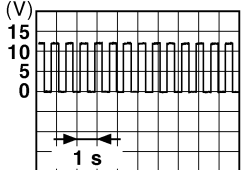
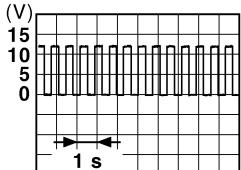
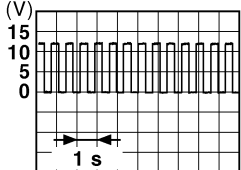
| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|---|---|--|
| + | - | Signal name | Input/ Output | | | |
| 1 (W) | Ground | Battery power supply | Input | Ignition switch OFF | | Battery voltage |
| 2 (W) | Ground | P/W power supply (BAT) | Output | Ignition switch OFF | | 12 V |
| 3 (Y) | Ground | P/W power supply (RAP) | Output | Ignition switch ON | | 12 V |
| 4 (R) | Ground | Interior room lamp power supply | Output | Interior room lamp battery saver is activated. (Cuts the interior room lamp power supply) | | 0 V |
| | | | | Interior room lamp battery saver is not activated. (Outputs the interior room lamp power supply) | | 12 V |
| 5 (G) | Ground | Passenger door UN- LOCK | Output | Passenger door | UNLOCK (Actuator is activated) | 12 V |
| | | | | | Other than UNLOCK (Actuator is not activated) | 0 V |
| 8 (V) | Ground | All doors, fuel lid LOCK | Output | All doors, fuel lid | LOCK (Actuator is activated) | 12 V |
| | | | | | Other than LOCK (Actuator is not activated) | 0 V |
| 9 (G) | Ground | Driver door, fuel lid UNLOCK | Output | Driver door, fuel lid | UNLOCK (Actuator is activated) | 12 V |
| | | | | | Other than UNLOCK (Actuator is not activated) | 0 V |
| 11 (BR) | Ground | Battery power supply | Input | Ignition switch OFF | | Battery voltage |
| 13 (B) | Ground | Ground | — | Ignition switch ON | | 0 V |
| 14 (R) | Ground | Push-button ignition switch illumination ground | Output | Tail lamp | OFF | 0 V |
| | | | | | ON | <p>NOTE: When the illumination brightening/dimming level is in the neutral position.</p>  <p>JSNIA0010GB</p> |
| 15 (Y) | Ground | ACC indicator lamp | Output | Ignition switch | OFF (LOCK indicator is not illuminated) | Battery voltage |
| | | | | | ACC | 0 V |

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|------------------------------------|------------------|-------------------------------------|---|--|
| + | - | Signal name | Input/ Output | | | |
| 17 (W) | Ground | Turn signal RH (Front and side) | Output | Ignition switch ON | Turn signal switch OFF | 0 V |
| | | | | | Turn signal switch RH |  6.5 V |
| 18 (O) | Ground | Turn signal LH (Front and side) | Output | Ignition switch ON | Turn signal switch OFF | 0 V |
| | | | | | Turn signal switch LH |  6.5 V |
| 19 (P) | Ground | Room lamp timer control | Output | Interior room lamp | OFF | 12 V |
| | | | | | ON | 0 V |
| 20 (V) | Ground | Turn signal RH (Rear) | Output | Ignition switch ON | Turn signal switch OFF | 0 V |
| | | | | | Turn signal switch RH |  6.5 V |
| 23 (L)*1 (Y)*2 | Ground | Back door/Trunk lid open | Output | Back door/ Trunk lid | OPEN (Back door/Trunk lid open- er actuator is activated) | 12 V |
| | | | | | Other than OPEN (Back door/Trunk lid open- er actuator is not activat- ed) | 0 V |
| 24 (O) | Ground | Rear fog lamp | Output | Rear fog lamp | OFF | 0 V |
| | | | | | ON | 12 V |
| 25 (LG) | Ground | Turn signal LH (Rear) | Output | Ignition switch ON | Turn signal switch OFF | 0 V |
| | | | | | Turn signal switch LH |  6.5 V |
| 30 (R) | Ground | Luggage room/Trunk room lamp | Output | Luggage room/ Trunk room lamp | ON | 0 V |
| | | | | | OFF | 12 V |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

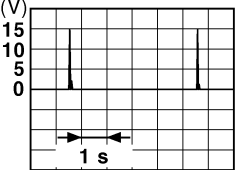
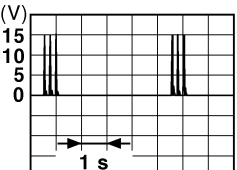
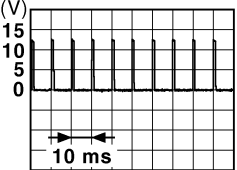
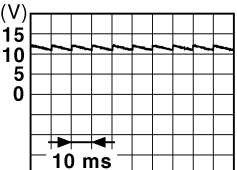
| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) | |
|------------------------------|--------|--|------------------|---|--|--------------------|---|
| + | - | Signal name | Input/ Output | | | | |
| 34 (G) | Ground | Luggage room/Trunk room antenna (-) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compart- ment | <p>JMKIA0062GB</p> | A |
| | | | | | When Intelligent Key is not in the passenger compart- ment | <p>JMKIA0063GB</p> | B |
| 35 (R) | Ground | Luggage room/Trunk room antenna (+) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compart- ment | <p>JMKIA0062GB</p> | C |
| | | | | | When Intelligent Key is not in the passenger compart- ment | <p>JMKIA0063GB</p> | D |
| 38 (B) | Ground | Rear bumper anten- na (-) | Output | When the back door/trunk lid door request switch is oper- ated with igni- tion switch OFF | When Intelligent Key is in the antenna detection area | <p>JMKIA0062GB</p> | E |
| | | | | | When Intelligent Key is not in the antenna detection area | <p>JMKIA0063GB</p> | F |

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

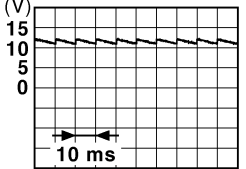
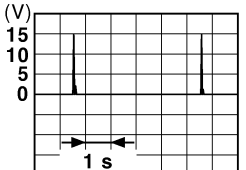
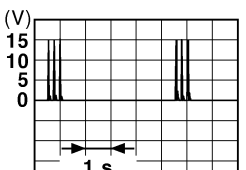
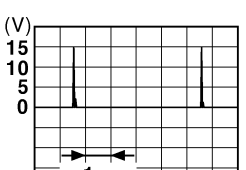
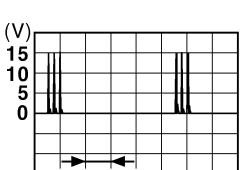
[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|---|---|---|
| + | - | Signal name | Input/ Output | | | |
| 39 (W) | Ground | Rear bumper antenna (+) | Output | When the back door/trunk lid door request switch is operated with ignition switch OFF | When Intelligent Key is in the antenna detection area |  JMKIA0062GB |
| | | | | | When Intelligent Key is not in the antenna detection area |  JMKIA0063GB |
| 47 (V) | Ground | Ignition relay (IPDM E/R) control | Output | Ignition switch | OFF or ACC | 12 V |
| | | | | | ON | 0 V |
| 52 (SB) | Ground | Starter relay control | Output | Ignition switch ON (A/T models) | When selector lever is in P or N position | 12 V |
| | | | | | When selector lever is not in P or N position | 0 V |
| | | | | Ignition switch ON (M/T models) | When the clutch pedal is depressed | Battery voltage |
| | | | | | When the clutch pedal is not depressed | 0 V |
| 61 (W) | Ground | Back door/Trunk Lid door request switch | Input | Back door/Trunk lid door request switch | ON (Pressed) | 0 V |
| | | | | | OFF (Not pressed) |  JPMIA0016GB 1.0 V |
| 64 (G) | Ground | Intelligent Key warning buzzer | Output | Intelligent Key warning buzzer | Sounding | 0 V |
| | | | | | Not sounding | 12 V |
| 66 (R) | Ground | Back door/Trunk room lamp switch | Input | Back door/Trunk room lamp switch | OFF (Door close) |  JPMIA0011GB 11.8 V |
| | | | | | ON (Door open) | 0 V |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

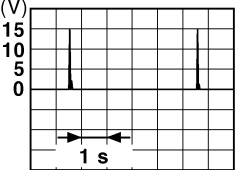
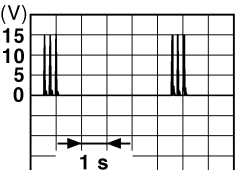
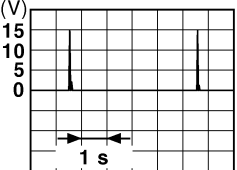
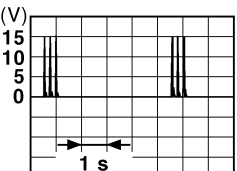
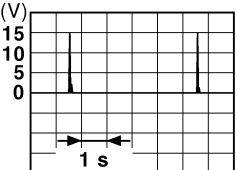
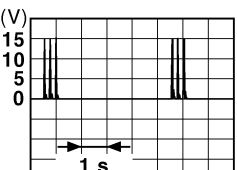
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|------------------------------|--------|--|------------------|--|--|--|
| + | - | Signal name | Input/ Output | | | |
| 67 (GR) | Ground | Back door/Trunk lid opener switch | Input | Back door/ Trunk lid open- er switch | Pressed | 0 V |
| | | | | | Not pressed |  <p>11.8 V</p> <p>JPMIA0011GB</p> |
| 72 (L) | Ground | Room antenna 2 (-) (Center console) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compart- ment |  <p>JMKIA0062GB</p> |
| | | | | | When Intelligent Key is not in the passenger compart- ment |  <p>JMKIA0063GB</p> |
| 73 (P) | Ground | Room antenna 2 (+) (Center console) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compart- ment |  <p>JMKIA0062GB</p> |
| | | | | | When Intelligent Key is not in the passenger compart- ment |  <p>JMKIA0063GB</p> |

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

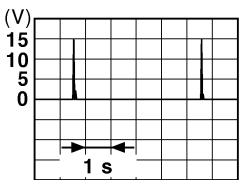
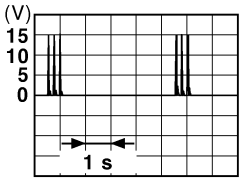
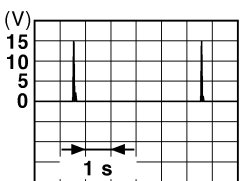
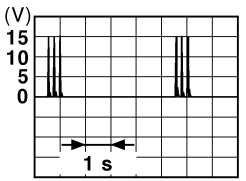
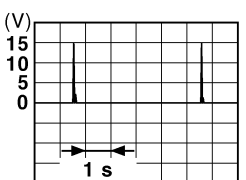
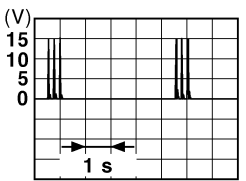
[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
|------------------------------|--------|----------------------------|------------------|---|--|
| + | - | Signal name | Input/ Output | | |
| 74 (SB) | Ground | Passenger door antenna (-) | Output | When Intelligent Key is in the antenna detection area |  JMKIA0062GB |
| | | | | When the passenger door request switch is operated with ignition switch OFF |  JMKIA0063GB |
| 75 (BR) | Ground | Passenger door antenna (+) | Output | When Intelligent Key is in the antenna detection area |  JMKIA0062GB |
| | | | | When the passenger door request switch is operated with ignition switch OFF |  JMKIA0063GB |
| 76 (V) | Ground | Driver door antenna (-) | Output | When Intelligent Key is in the antenna detection area |  JMKIA0062GB |
| | | | | When the driver door request switch is operated with ignition switch OFF |  JMKIA0063GB |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

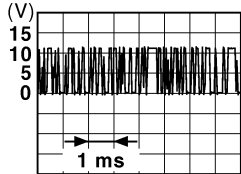
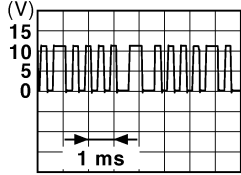

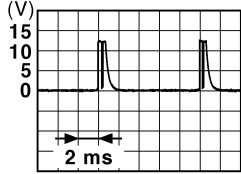
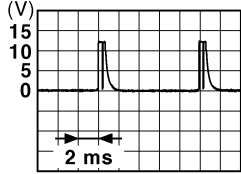
| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) | |
|------------------------------|--------|--|------------------|--|---|--|---|
| + | - | Signal name | Input/ Output | | | | |
| 77 (LG) | Ground | Driver door antenna (+) | Output | When the driver door request switch is operated with ignition switch OFF | When Intelligent Key is in the antenna detection area |  JMKIA0062GB | A |
| | | | | | When Intelligent Key is not in the antenna detection area |  JMKIA0063GB | B |
| 78*2 (L) | Ground | Room antenna 1 (-) (Instrument panel) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compartment |  JMKIA0062GB | C |
| | | | | | When Intelligent Key is not in the passenger compartment |  JMKIA0063GB | D |
| 79*2 (R) | Ground | Room antenna 1 (+) (Instrument panel) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compartment |  JMKIA0062GB | E |
| | | | | | When Intelligent Key is not in the passenger compartment |  JMKIA0063GB | F |

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >


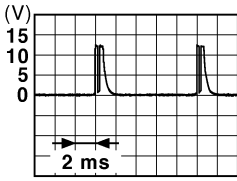
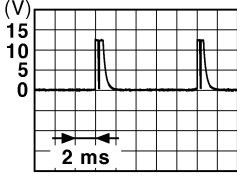
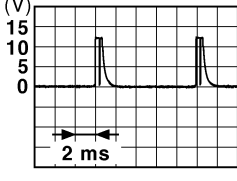
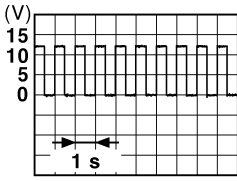
[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|---|--|---|
| + | - | Signal name | Input/ Output | | | |
| 80 (GR) | Ground | NATS antenna amp. | Input/ Output | During waiting | Ignition switch is pressed while inserting the Intelligent Key into the key slot. | Just after pressing ignition switch. Pointer of tester should move. |
| 81 (W) | Ground | NATS antenna amp. | Input/ Output | During waiting | Ignition switch is pressed while inserting the Intelligent Key into the key slot. | Just after pressing ignition switch. Pointer of tester should move. |
| 82 (R) | Ground | Ignition relay [Fuse block (J/B)] control | Output | Ignition switch | OFF or ACC | 0 V |
| | | | | | ON | 12 V |
| 83 (GR) | Ground | Remote keyless entry receiver (front) communication | Input/ Output | During waiting | |  JMKIA0064GB |
| | | | | When operating either button on the Intelligent Key | |  JMKIA0065GB |
| 87 (BR) | Ground | Combination switch INPUT 5 | Input | Combination switch | All switches OFF (Wiper intermittent dial 4) |  JPMIA0041GB 1.4 V |
| | | | | | Rear fog lamp switch ON (Wiper intermittent dial 4) |  JPMIA0038GB 1.3 V |
| | | | | | Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 6 • Wiper intermittent dial 7 |  JPMIA0040GB 1.3 V |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--|------------------|--|---|---|
| + | - | Signal name | Input/ Output | | | |
| 88 (V) | Ground | Combination switch INPUT 3 | Input | Combination switch | All switches OFF (Wiper intermittent dial 4) |  <p>JPMIA0041GB</p> <p>1.4 V</p> |
| | | | | | Lighting switch HI (Wiper intermittent dial 4) |  <p>JPMIA0036GB</p> <p>1.3 V</p> |
| | | | | | Lighting switch 2ND (Wiper intermittent dial 4) |  <p>JPMIA0037GB</p> <p>1.3 V</p> |
| | | | | | Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 |  <p>JPMIA0040GB</p> <p>1.3 V</p> |
| 89 (BR) | Ground | Push-button ignition switch (Push switch) | Input | Push-button ignition switch (push switch) | Pressed | 0 V |
| | | | | | Not pressed | Battery voltage |
| 90 (P) | Ground | CAN-L | Input/ Output | — | — | — |
| 91 (L) | Ground | CAN-H | Input/ Output | — | — | — |
| 92 (LG) | Ground | Key slot illumination | Output | Key slot illumination | OFF | 0 V |
| | | | | | Blinking |  <p>JPMIA0015GB</p> <p>6.5 V</p> |
| | | | | | ON | 12 V |

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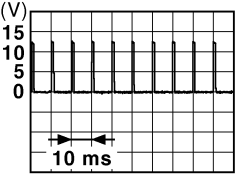
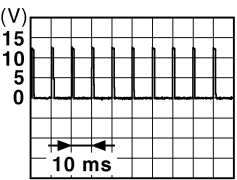
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

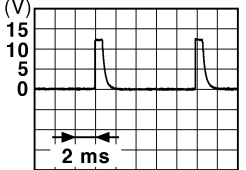

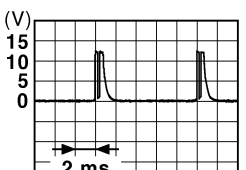

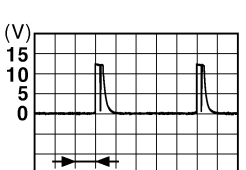
[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|-------------------------------|---|--|
| + | - | Signal name | Input/ Output | | | |
| 93 (V) | Ground | ON indicator lamp | Output | Ignition switch | OFF (LOCK indicator is not illuminated) | Battery voltage |
| | | | | | ON | 0 V |
| 95 (O) | Ground | ACC relay control | Output | Ignition switch | OFF | 0 V |
| | | | | | ACC or ON | 12 V |
| 96*3 (Y) | Ground | A/T shift selector (Detention switch) power supply | Output | — | | 12 V |
| 97*4 (L) | Ground | Steering lock condition No. 1 | Input | Steering lock | LOCK status | 0 V |
| | | | | | UNLOCK status | 12 V |
| 98*4 (P) | Ground | Steering lock condition No. 2 | Input | Steering lock | LOCK status | 12 V |
| | | | | | UNLOCK status | 0 V |
| 99*5 (R) | Ground | Selector lever P position switch (A/T models) | Input | Selector lever | P position | 0 V |
| | | | | | Any position other than P | 12 V |
| | | Clutch pedal position switch (M/T models without SynchroRev Match mode) | Input | Clutch pedal position switch | OFF (Clutch pedal is depressed) | 0 V |
| | | | | | ON (Clutch pedal is not depressed) | Battery voltage |
| 100 (GR) | Ground | Passenger door request switch | Input | Passenger door request switch | ON (Pressed) | 0 V |
| | | | | | OFF (Not pressed) |  <p>JPMIA0016GB 1.0 V</p> |
| 101 (Y) | Ground | Driver door request switch | Input | Driver door request switch | ON (Pressed) | 0 V |
| | | | | | OFF (Not pressed) |  <p>JPMIA0016GB 1.0 V</p> |
| 102 (O) | Ground | Blower fan motor relay control | Output | Ignition switch | OFF or ACC | 0 V |
| | | | | | ON | 12 V |
| 103 (LG) | Ground | Remote keyless entry receiver (front) power supply | Output | Ignition switch OFF | | 12 V |
| 106*4 (W) | Ground | Steering lock unit power supply | Output | Ignition switch | OFF or ACC | 12 V |
| | | | | | ON | 0 V |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

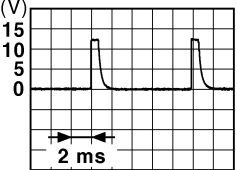

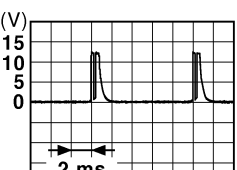
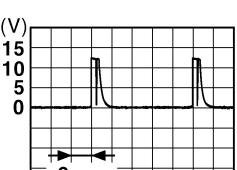
| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
|------------------------------|--------|-------------------------------|------------------|---|--|
| + | - | Signal name | Input/ Output | | |
| 107 (LG) | Ground | Combination switch INPUT 1 | Input | Combination switch (Wiper intermit- tent dial 4) | All switches OFF  <small>JPMIA0041GB</small> 1.4 V |
| | | | | | Turn signal switch LH  <small>JPMIA0037GB</small> 1.3 V |
| | | | | | Turn signal switch RH  <small>JPMIA0036GB</small> 1.3 V |
| | | | | | Front wiper switch LO  <small>JPMIA0038GB</small> 1.3 V |
| | | | | | Front washer switch ON  <small>JPMIA0039GB</small> 1.3 V |

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

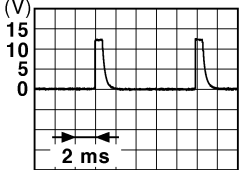

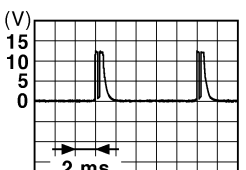


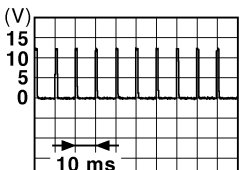
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| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
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| + | - | Signal name | Input/ Output | | |
| 108 (R) | Ground | Combination switch INPUT 4 | Input | Combination switch |  <p>1.4 V</p> |
| | | | | Lighting switch AUTO (Wiper intermittent dial 4) |  <p>1.3 V</p> |
| | | | | Lighting switch 1ST (Wiper intermittent dial 4) |  <p>1.3 V</p> |
| | | | | Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6 |  <p>1.3 V</p> |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
|------------------------------|--------|-------------------------------|------------------|---|--|
| + | - | Signal name | Input/ Output | | |
| 109 (Y) | Ground | Combination switch INPUT 2 | Input | Combination switch (Wiper intermit- tent dial 4) | All switches OFF  <small>JPMIA0041GB</small> 1.4 V |
| | | | | | Lighting switch PASS  <small>JPMIA0037GB</small> 1.3 V |
| | | | | | Lighting switch 2ND  <small>JPMIA0036GB</small> 1.3 V |
| | | | | | Front wiper switch INT  <small>JPMIA0038GB</small> 1.3 V |
| | | | | | Front wiper switch HI  <small>JPMIA0040GB</small> 1.3 V |
| | | | | | ON 0 V |
| 110 (P) | Ground | Hazard switch | Input | Hazard switch | OFF  <small>JPMIA0012GB</small> 1.1 V |
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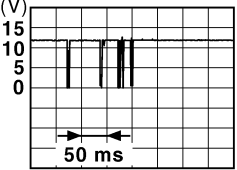
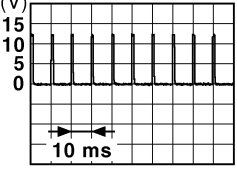
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

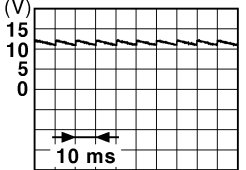
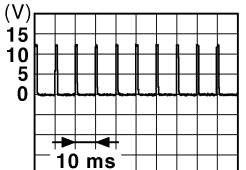
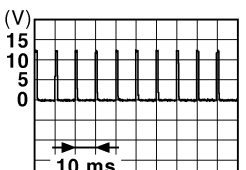
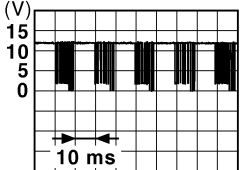
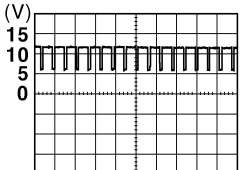
[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--|------------------|---|---|--|
| + | - | Signal name | Input/ Output | | | |
| 111*4 (Y) | Ground | Steering lock unit communication | Input/ Output | Steering lock | LOCK status | 12 V |
| | | | | | LOCK or UNLOCK |  JMKIA0066GB |
| | | | | | For 15 seconds after UN- LOCK | 12 V |
| | | | | | 15 seconds or later after UNLOCK | 0 V |
| 113 (O) | Ground | Optical sensor | Input | Ignition switch ON | When bright outside of the vehicle | Close to 5 V |
| | | | | | When dark outside of the vehicle | Close to 0 V |
| 114*6 (R) | Ground | Clutch interlock switch | Input | Clutch interlock switch | OFF (Clutch pedal is not depressed) | 0 V |
| | | | | | ON (Clutch pedal is de- pressed) | Battery voltage |
| 116 (SB) | Ground | Stop lamp switch 1 | Input | — | | Battery voltage |
| 118 (P) | Ground | Stop lamp switch 2 | Input | Stop lamp switch | OFF (Brake pedal is not depressed) | 0 V |
| | | | | | ON (Brake pedal is de- pressed) | Battery voltage |
| 119 (SB) | Ground | Driver side door lock assembly (Unlock sensor) | Input | Driver door | LOCK status (Unlock sensor switch OFF) |  JPMIA0012GB |
| | | | | | UNLOCK status (Unlock switch sensor ON) | 1.1 V |
| 121 (R) | Ground | Key slot switch | Input | When the Intelligent Key is inserted into key slot | | 12 V |
| | | | | When the Intelligent Key is not inserted into key slot | | 0 V |
| 123 (W) | Ground | IGN feedback | Input | Ignition switch | OFF or ACC | 0 V |
| | | | | | ON | Battery voltage |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|--|------------------------------------|--|
| + | - | Signal name | Input/ Output | | | |
| 124 (LG) | Ground | Passenger door switch | Input | Passenger door switch | OFF (Door close) |  JPMIA0011GB 11.8 V |
| | | | | | ON (Door open) | 0 V |
| 129*2 (O) | Ground | Trunk lid opener can- cel switch | Input | Trunk lid open- er cancel switch | CANCEL |  JPMIA0012GB 1.1 V |
| | | | | | ON | 0 V |
| 130*7 (L) | Ground | Rear window defog- ger switch | Input | Ignition switch ON | Rear window defogger switch OFF |  JPMIA0012GB 1.1 V |
| | | | | | Rear window defogger switch ON | 0 V |
| 132 (Y)*1 (V)*2 | Ground | Power window switch and soft top control unit communication | Input/ Output | Ignition switch ON | |  JPMIA0013GB 10.2 V |
| | | | | Ignition switch OFF or ACC | | 12 V |
| 133 (G) | Ground | Push-button ignition switch illumination | Output | Push-button ig- nition switch il- lumination | ON (Tail lamps OFF) | 9.5 V |
| | | | | | ON (Tail lamps ON) | <p>NOTE: The pulse width of this wave is varied by the illumination bright- ening/dimming level.</p>  JPMIA0159GB |
| | | | | | OFF | 0 V |

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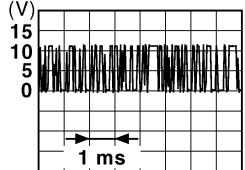
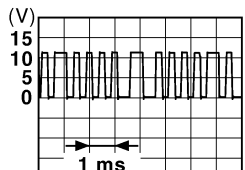
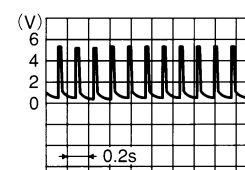
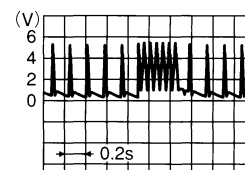
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

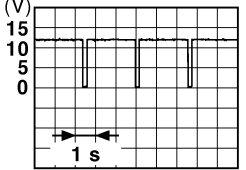



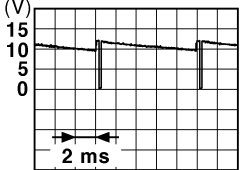
[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|--|---|--|
| + | - | Signal name | Input/ Output | | | |
| 134 (GR) | Ground | LOCK indicator lamp | Output | LOCK indicator lamp | OFF | Battery voltage |
| | | | | | ON | 0 V |
| 137 (P) | Ground | Receiver and sensor ground | Input | Ignition switch ON | | 0 V |
| 138 (V) | Ground | Receiver and sensor power supply | Output | Ignition switch | OFF | 0 V |
| | | | | | ACC or ON | 5.0 V |
| 139 (L) | Ground | Tire pressure receiver communication | Input/ Output | Ignition switch OFF (Remote keyless entry receiver communication) | During waiting |  JMKIA0064GB |
| | | | | | When operating either button on the Intelligent Key |  JMKIA0065GB |
| | | | | Ignition switch ON (Tire pressure receiver communication) | Standby state |  OCC3881D |
| | | | | | When receiving the signal from the transmitter |  OCC3880D |
| 140*8 (G) | Ground | Selector lever P/N position (A/T models) | Input | Selector lever | P or N position | 12 V |
| | | | | | Except P and N positions | 0 V |
| | | Park/neutral position switch (Coupe M/T models with Synchro-Rev Match mode) | Input | Ignition switch ON | Control lever in neutral position | Battery voltage |
| | | | | | Control lever in any position other than neutral | 0 V |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--------------------------------|------------------|---|---|---|
| + | - | Signal name | Input/ Output | | | |
| 141 (Y) | Ground | Security indicator lamp | Output | Security indica- tor lamp | ON | 0 V |
| | | | | | Blinking |  11.3 V |
| | | | | | OFF | 12 V |
| 142 (O) | Ground | Combination switch OUTPUT 5 | Output | Combination switch (Wiper intermit- tent dial 4) | All switches OFF | 0 V |
| | | | | | Lighting switch 1ST |  10.7 V |
| | | | | | Lighting switch HI | |
| | | | | | Lighting switch 2ND | |
| | | | | | Turn signal switch RH | |
| 143 (P) | Ground | Combination switch OUTPUT 1 | Output | Combination switch | All switches OFF (Wiper intermittent dial 4) | 0 V |
| | | | | | Front wiper switch HI (Wiper intermittent dial 4) |  10.7 V |
| | | | | | Any of the conditions be- low with all switches OFF | |
| | | | | | <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7 | |
| 144 (G) | Ground | Combination switch OUTPUT 2 | Output | Combination switch | All switches OFF (Wiper intermittent dial 4) | 0 V |
| | | | | | Front washer switch ON (Wiper intermittent dial 4) |  10.7 V |
| | | | | | Any of the conditions be- low with all switches OFF | |
| 145 (L) | Ground | Combination switch OUTPUT 3 | Output | Combination switch (Wiper intermit- tent dial 4) | All switches OFF | 0 V |
| | | | | | Front wiper switch INT |  10.7 V |
| | | | | | Front wiper switch LO | |
| | | | | | Lighting switch AUTO | |
| | | | | | Rear fog lamp switch ON | |

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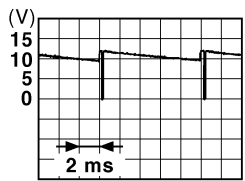
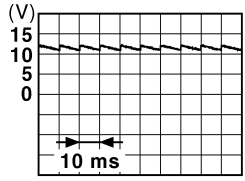
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

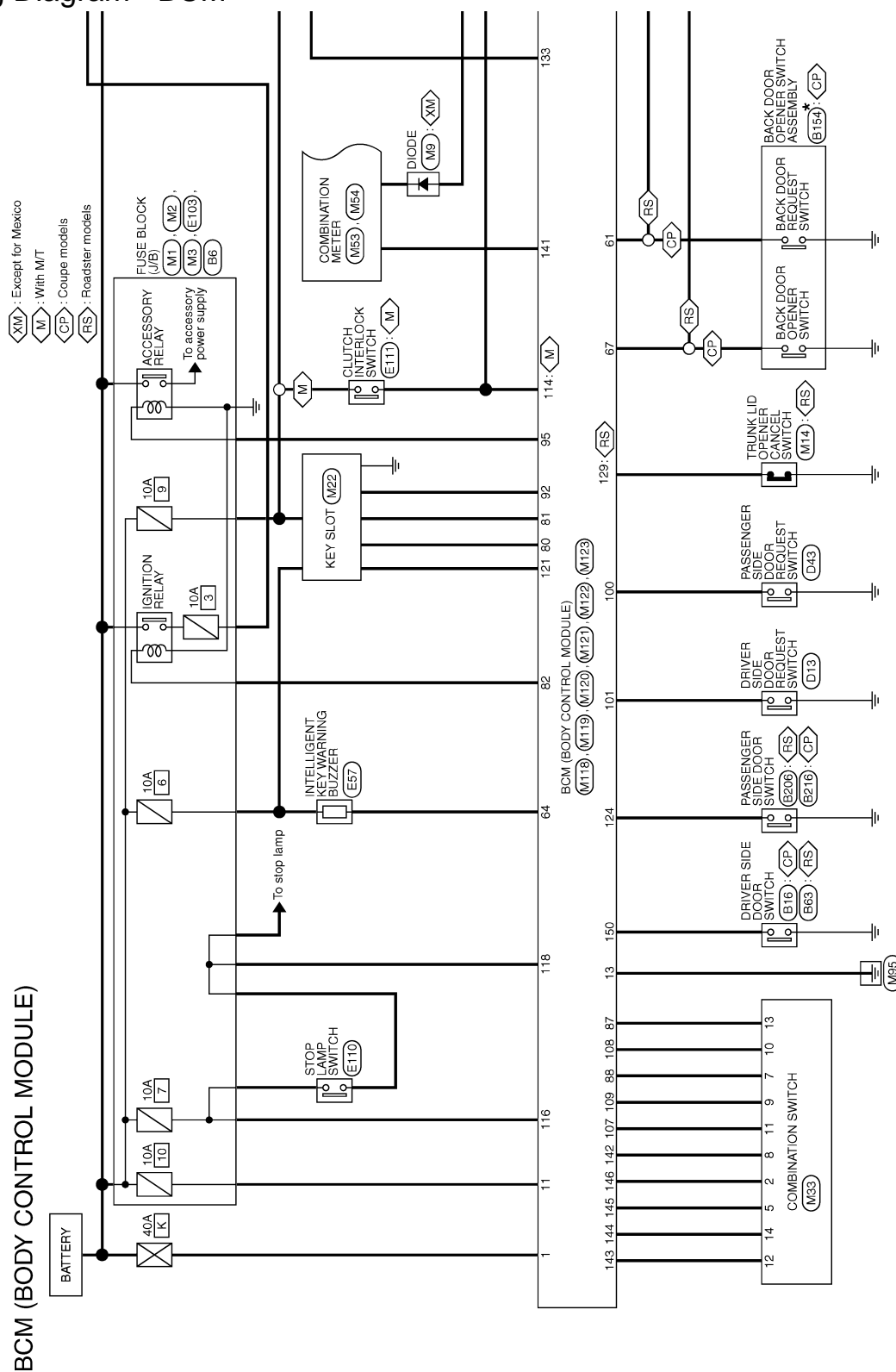
| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|---|-----------------------|---|
| + | - | Signal name | Input/ Output | | | |
| 146 (SB) | Ground | Combination switch OUTPUT 4 | Output | Combination switch (Wiper intermit- tent dial 4) | All switches OFF | 0 V |
| | | | | | Lighting switch 2ND |  |
| | | | | | Lighting switch PASS | |
| | | | | | Turn signal switch LH | |
| 150 (GR) | Ground | Driver door switch | Input | Driver door switch | OFF (Door close) |  |
| | | | | | ON (Door open) | 11.8 V |
| 151 (G) | Ground | Rear window defog- ger relay control | Output | Rear window defogger | Active | 0 V |
| | | | | | Not activated | Battery voltage |

- *1: Coupe models
- *2: Roadster models
- *3: A/T models
- *4: With steering lock unit
- *5: Except M/T models with SynchroRev Match mode
- *6: M/T models
- *7: Without NAVI
- *8: A/T models or coupe M/T models without SynchroRev Match mode

[COUPE]

Wiring Diagram - BCM -

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★: This connector is not shown in "Harness Layout".

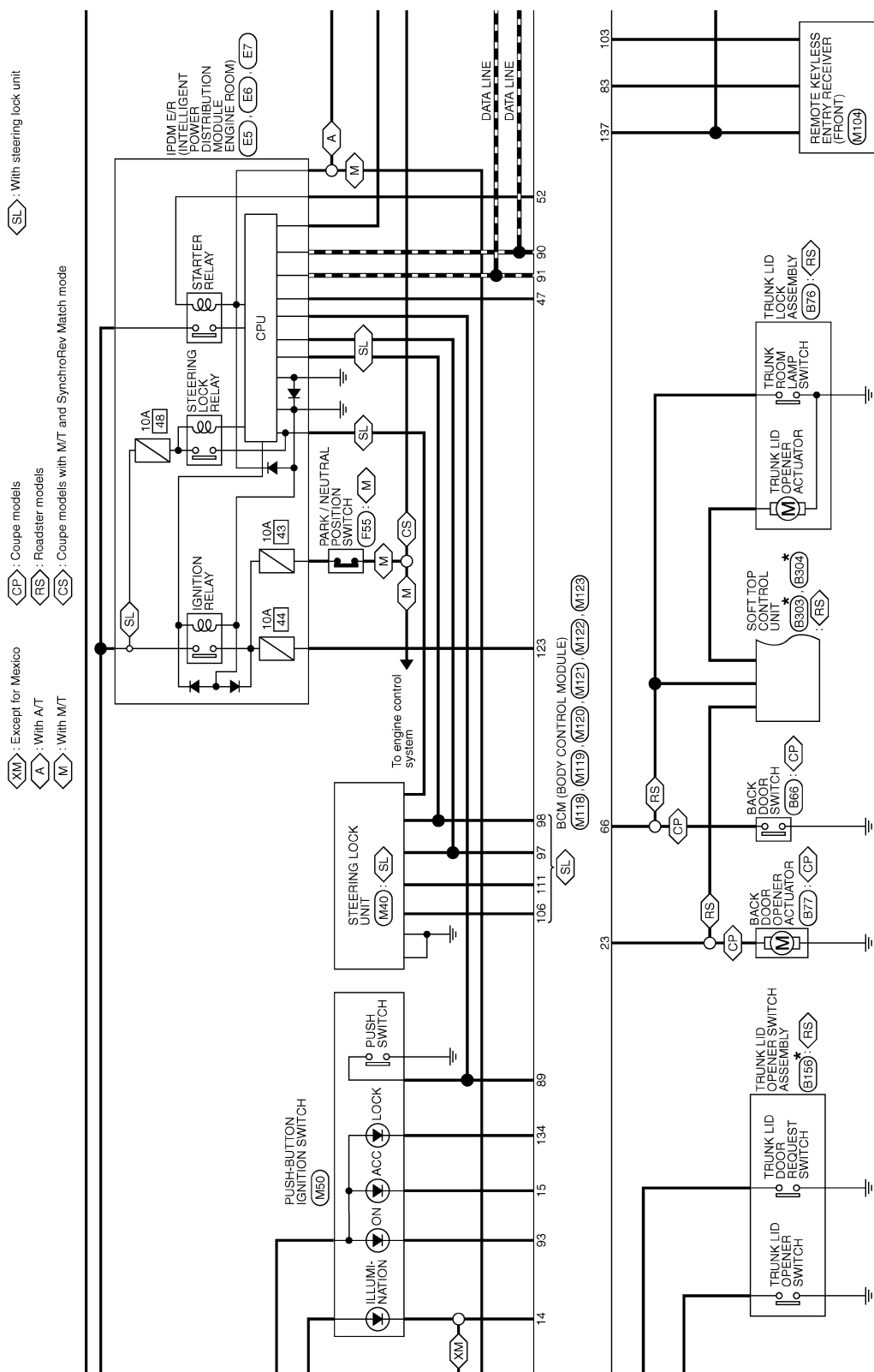
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[COUPE]

< ECU DIAGNOSIS INFORMATION >



******: This connector is not shown in "Harness Layout".

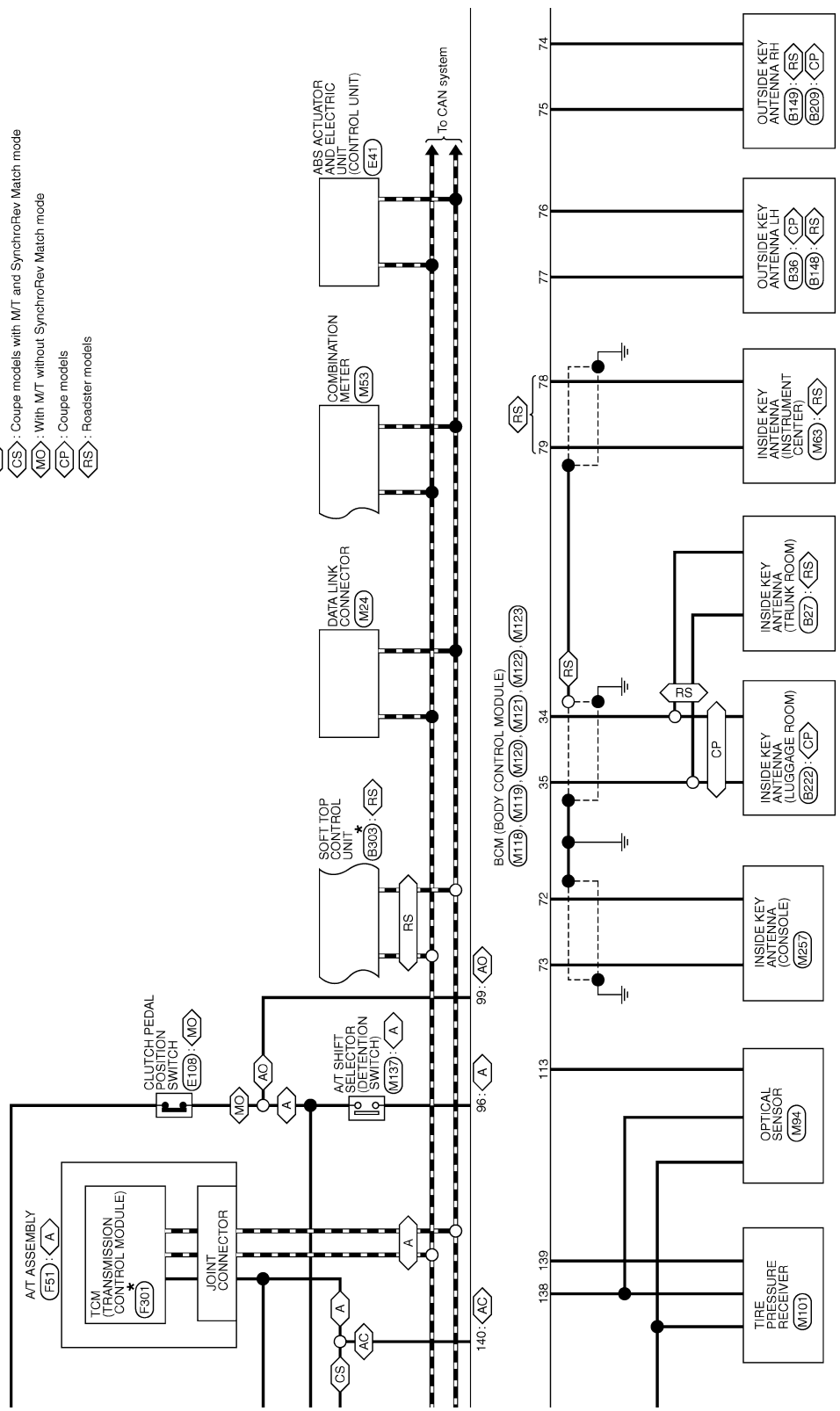
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

- <A> : With A/T
- <AC> : With A/T or coupe models with M/T and SynchroRev Match mode
- <AD> : With A/T or with M/T without SynchroRev Match mode
- <CS> : Coupe models with M/T and SynchroRev Match mode
- <MO> : With M/T without SynchroRev Match mode
- <CP> : Coupe models
- <RS> : Roadster models



*: This connector is not shown in "Harness Layout".

JCMWA6295GB

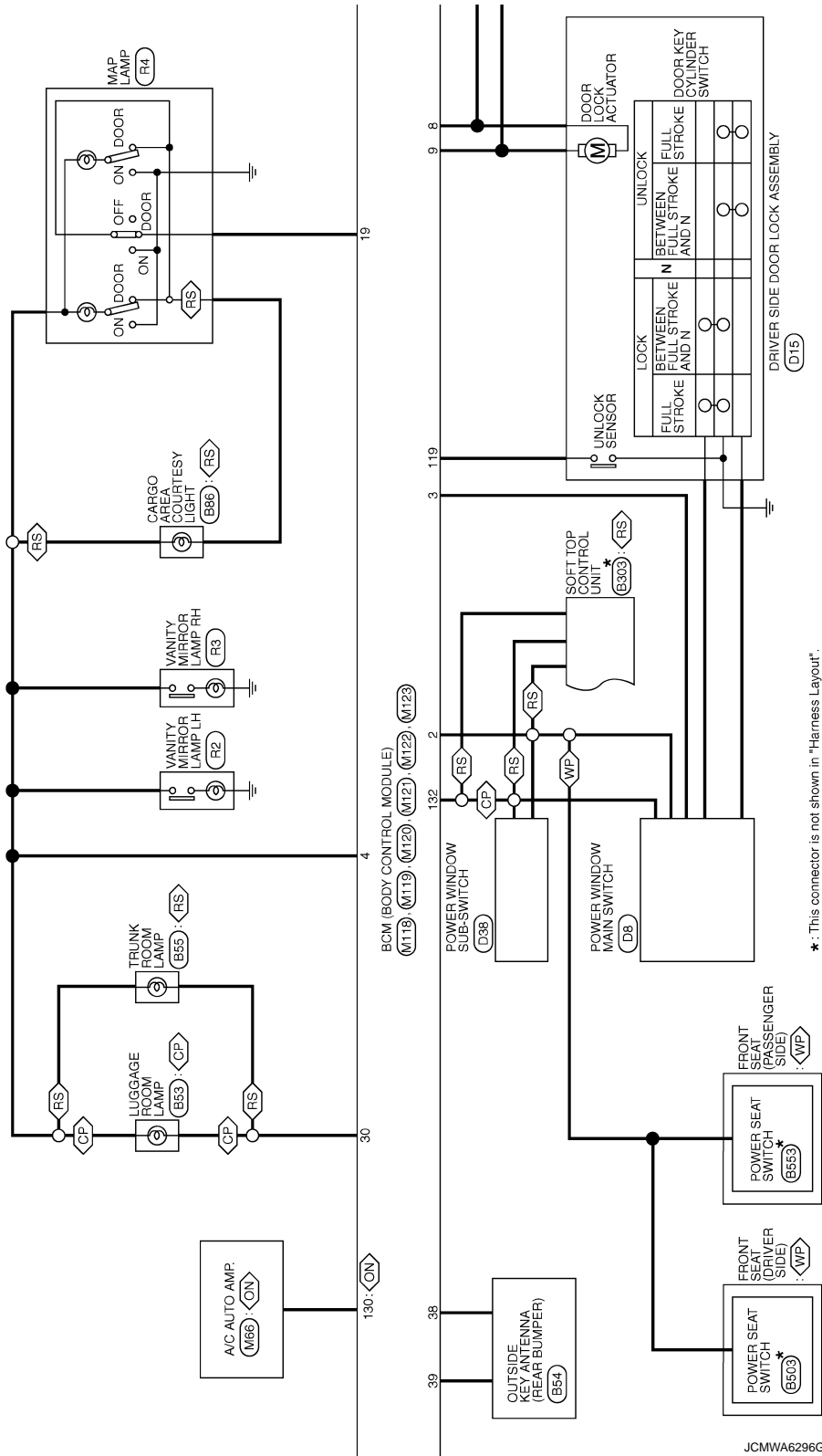
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

CP : Coupe models
 RS : Roadster models
 WP : With power seat
 ON : Without NAVI

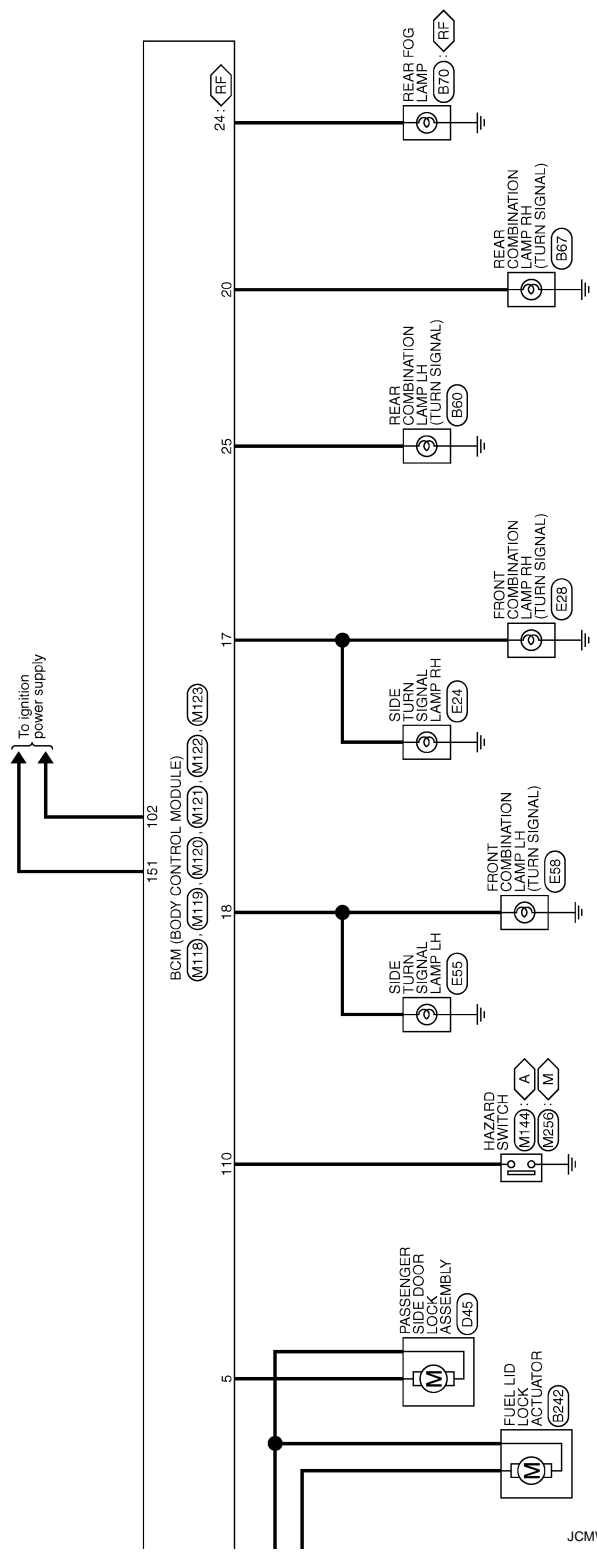


BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

- : With A/T
- : With M/T
- : With rear fog lamp



JCMWA6297GB

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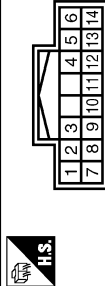
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

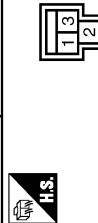
BCM (BODY CONTROL MODULE)

| | |
|----------------|--------------------|
| Connector No. | M33 |
| Connector Name | COMBINATION SWITCH |
| Connector Type | TH16FW-NH |



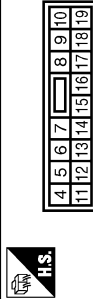
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | P | FR WASHER (-) |
| 2 | SB | OUTPUT 4 |
| 5 | L | OUTPUT 3 |
| 6 | B | GND |
| 7 | V | INPUT 3 |
| 8 | O | OUTPUT 5 |
| 9 | Y | INPUT 2 |
| 10 | R | INPUT 4 |
| 11 | LG | INPUT 1 |
| 12 | P | OUTPUT 1 |
| 13 | BR | INPUT 5 |
| 14 | G | OUTPUT 2 |

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| Connector No. | M18 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | M03FB-LG |



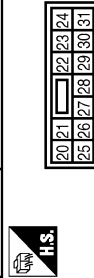
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---------------------------------|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

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| Connector No. | M119 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | NS12FW-CS |



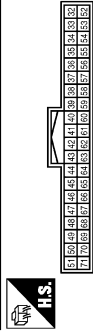
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|------------------------------------|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW (LL POWER) |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT, SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT, SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

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| Connector No. | M120 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | NS12FW-CS |



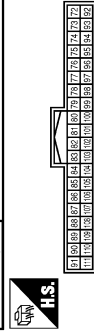
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---|
| 20 | V | TURN SIGNAL RH (REAR) |
| 23 | L | BACK DOOR OPEN OUTPUT [Coupe models] |
| 23 | Y | TRUNK LID OPEN OUTPUT [Roadster models] |
| 24 | O | REAR FOG OUTPUT |
| 25 | LG | TURN SIGNAL LH (REAR) |
| 30 | R | LUGGAGE ROOM LAMP OUTPUT |

| | |
|----------------|---------------------------|
| Connector No. | M121 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40GF-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--|
| 34 | G | LUGGAGE ROOM ANT- |
| 35 | R | LUGGAGE ROOM ANT+ |
| 38 | B | BACK DOOR ANT- |
| 39 | W | BACK DOOR ANT+ |
| 47 | V | IGN RELAY (IPDM E/R) CONT |
| 52 | SB | STARTER RELAY CONT |
| 61 | W | BACK DOOR REQUEST SW [Coupe models] |
| 61 | W | TRUNK LID REQUEST SW [Roadster models] |
| 64 | G | F-KEY WARN BUZZER (ENG ROOM) |
| 66 | R | BACK DOOR SW [Coupe models] |
| 66 | R | TRUNK ROOM LAMP SW [Roadster models] |
| 67 | GR | BACK DOOR OPENER SW [Coupe models] |
| 67 | GR | TRUNK LID OPENER SW [Roadster models] |

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| Connector No. | M122 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FB-NH |



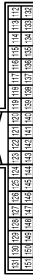

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 72 | L | ROOM ANT 2- |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT- |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT- |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1- |
| 78 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP |

| | | |
|-----|----|--------------------------------------|
| 81 | W | NATS ANT AMP |
| 82 | R | IGN RELAY (F/B) CONT |
| 83 | GR | KYLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 5 |
| 88 | V | COMBI SW INPUT 3 |
| 89 | BR | PUSH SW |
| 90 | P | CAN-L |
| 91 | L | CAN-H |
| 92 | LG | KEY SLOT ILL |
| 93 | V | IGN IND |
| 95 | O | ACC RELAY CONT |
| 96 | Y | A/T SHIFT SELECTOR POWER SUPPLY |
| 97 | L | S/L CONDITION 1 |
| 98 | P | S/L CONDITION 2 |
| 99 | R | CLUTCH PEDAL POS SW [Whn M/T] |
| 99 | R | SHIFT P [Whn A/T] |
| 100 | GR | PASSENGER DOOR REQUEST SW |
| 101 | Y | DRIVER DOOR REQUEST SW |
| 102 | O | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KYLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | Y | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

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BCM (BODY CONTROL MODULE)

| | |
|----------------|---------------------------|
| Connector No. | M123 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FG-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN P/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFROGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM [Resistor models] |
| 132 | Y | POWER WINDOW SW COMM [Coupe models] |
| 133 | G | PUSH BUTTON IGNITION SW ILL POWER |
| 134 | GR | LOCK IND |
| 137 | P | RECEIVER/SENSOR GND |
| 138 | V | RECEIVER / SENSOR POWER SUPPLY |
| 139 | L | TIRE PRESS./K/LS ENT (REAR) RECEV COMM |
| 140 | G | P/N POSITION SW [With M/T] |
| 141 | G | SHIFT N/P [With A/T] |
| 141 | Y | SECURITY INDICATOR |
| 142 | O | COMBI SW OUTPUT 5 |
| 143 | P | COMBI SW OUTPUT 1 |
| 144 | G | COMBI SW OUTPUT 2 |
| 145 | L | COMBI SW OUTPUT 3 |
| 146 | SB | COMBI SW OUTPUT 4 |
| 150 | GR | DRIVER DOOR SW |
| 151 | G | REAR WINDOW DEFROGGER RELAY CONT |

Fail-safe

FAIL-SAFE CONTROL BY DTC
BCM performs fail-safe control when any DTC are detected.

JCMWA6299GB
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Display contents of CONSULT | Fail-safe | Cancellation |
|-----------------------------|-------------------------|---|
| B2013: ID DISCORD BCM-S/L | Inhibit engine cranking | Erase DTC |
| B2014: CHAIN OF S/L-BCM | Inhibit engine cranking | Erase DTC |
| B2190: NATS ANTENNA AMP | Inhibit engine cranking | Erase DTC |
| B2191: DIFFERENCE OF KEY | Inhibit engine cranking | Erase DTC |
| B2192: ID DISCORD BCM-ECM | Inhibit engine cranking | Erase DTC |
| B2193: CHAIN OF BCM-ECM | Inhibit engine cranking | Erase DTC |
| B2195: ANTI SCANNING | Inhibit engine cranking | Ignition switch ON → OFF |
| B2557: VEHICLE SPEED | Inhibit steering lock | When normal vehicle speed signals are received from ABS actuator and electric unit (control unit) for 500 ms |
| B2560: STARTER CONT RELAY | Inhibit engine cranking | 500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> • Starter control relay signal • Starter relay status signal |
| B2601: SHIFT POSITION | Inhibit steering lock | 500 ms after the following signal reception status becomes consistent <ul style="list-style-type: none"> • Selector lever P position switch signal • P range signal (CAN) |
| B2602: SHIFT POSITION | Inhibit steering lock | 5 seconds after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Ignition switch is in the ON position • Selector lever P position switch signal: Except P position (battery voltage) • Vehicle speed: 4 km/h (2.5 MPH) or more |
| B2603: SHIFT POSI STATUS | Inhibit steering lock | 500 ms after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Ignition switch is in the ON position • Selector lever P position switch signal: Except P position (battery voltage) • Selector lever P/N position signal: Except P and N positions (0 V) |
| B2604: PNP SW | Inhibit steering lock | 500 ms after any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Status 1 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: P and N position (battery voltage) - P range signal or N range signal (CAN): ON • Status 2 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: Except P and N positions (0 V) - P range signal and N range signal (CAN): OFF |
| B2605: PNP SW | Inhibit steering lock | 500 ms after any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Status 1 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: Except P and N positions (0 V) - Interlock/PNP switch signal (CAN): OFF • Status 2 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: P or N position (battery voltage) - PNP switch signal (CAN): ON |
| B2606: S/L RELAY | Inhibit engine cranking | 500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> • Steering lock relay signal (Request signal) • Steering lock relay signal (Condition signal) |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Display contents of CONSULT | Fail-safe | Cancellation |
|-----------------------------|--|---|
| B2607: S/L RELAY | Inhibit engine cranking | 500 ms after the following CAN signal communication status has becomes consistent <ul style="list-style-type: none"> Steering lock relay signal (Request signal) Steering lock relay signal (Condition signal) |
| B2608: STARTER RELAY | Inhibit engine cranking | 500 ms after the following signal communication status becomes consistent <ul style="list-style-type: none"> Starter motor relay control signal Starter relay status signal (CAN) |
| B2609: S/L STATUS | <ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock | When the following steering lock conditions agree <ul style="list-style-type: none"> BCM steering lock control status Steering lock condition No. 1 signal status Steering lock condition No. 2 signal status |
| B260A: IGNITION RELAY | Inhibit engine cranking | 500 ms after the following conditions are fulfilled <ul style="list-style-type: none"> IGN relay (IPDM E/R) control signal: OFF (Battery voltage) Ignition ON signal (CAN to IPDM E/R): OFF (Request signal) Ignition ON signal (CAN from IPDM E/R): OFF (Condition signal) |
| B260F: ENG STATE SIG LOST | Maintains the power supply position attained at the time of DTC detection | When any of the following conditions are fulfilled <ul style="list-style-type: none"> Power position changes to ACC Receives engine status signal (CAN) |
| B2612: S/L STATUS | <ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock | When any of the following conditions are fulfilled <ul style="list-style-type: none"> Steering lock unit status signal (CAN) is received normally The BCM steering lock control status matches the steering lock status recognized by the steering lock unit status signal (CAN from IPDM E/R) |
| B2617: STARTER RELAY CIRC | Inhibit engine cranking | 1 second after the starter motor relay control inside BCM becomes normal |
| B2618: BCM | Inhibit engine cranking | 1 second after the ignition relay (IPDM E/R) control inside BCM becomes normal |
| B2619: BCM | Inhibit engine cranking | 1 second after the steering lock unit power supply output control inside BCM becomes normal |
| B261E: VEHICLE TYPE | Inhibit engine cranking | BCM initialization |
| B26E8: CLUTCH SW | Inhibit engine cranking | When any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> Status 1 <ul style="list-style-type: none"> Clutch switch signal (CAN from ECM): ON Clutch interlock switch signal: OFF (0 V) Status 2 <ul style="list-style-type: none"> Clutch switch signal (CAN from ECM): OFF Clutch interlock switch signal: ON (Battery voltage) |
| B26E9: S/L STATUS | <ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock | When BCM transmits the LOCK request signal to steering lock unit, and receives LOCK response signal from steering lock unit, the following conditions are fulfilled <ul style="list-style-type: none"> Steering condition No. 1 signal: LOCK (0 V) Steering condition No. 2 signal: LOCK (Battery voltage) |

DTC Inspection Priority Chart

INFOID:000000006930014

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

| Priority | DTC |
|----------|---|
| 1 | B2562: LOW VOLTAGE |
| 2 | <ul style="list-style-type: none"> U1000: CAN COMM CIRCUIT U1010: CONTROL UNIT (CAN) |
| 3 | <ul style="list-style-type: none"> B2190: NATS ANTENNA AMP B2191: DIFFERENCE OF KEY B2192: ID DISCORD BCM-ECM B2193: CHAIN OF BCM-ECM B2195: ANTI SCANNING |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| Priority | DTC |
|----------|--|
| 4 | <ul style="list-style-type: none"> • B2013: ID DISCORD BCM-S/L • B2014: CHAIN OF S/L-BCM • B2553: IGNITION RELAY • B2555: STOP LAMP • B2556: PUSH-BTN IGN SW • B2557: VEHICLE SPEED • B2560: STARTER CONT RELAY • B2601: SHIFT POSITION • B2602: SHIFT POSITION • B2603: SHIFT POSI STATUS • B2604: PNP SW • B2605: PNP SW • B2606: S/L RELAY • B2607: S/L RELAY • B2608: STARTER RELAY • B2609: S/L STATUS • B260A: IGNITION RELAY • B260B: STEERING LOCK UNIT • B260C: STEERING LOCK UNIT • B260D: STEERING LOCK UNIT • B260F: ENG STATE SIG LOST • B2612: S/L STATUS • B2614: ACC RELAY CIRC • B2615: BLOWER RELAY CIRC • B2616: IGN RELAY CIRC • B2617: STARTER RELAY CIRC • B2618: BCM • B2619: BCM • B261A: PUSH-BTN IGN SW • B261E: VEHICLE TYPE • B26E8: CLUTCH SW • B26E9: S/L STATUS • B26EA: KEY REGISTRATION • C1729: VHCL SPEED SIG ERR • U0415: VEHICLE SPEED SIG |
| 5 | <ul style="list-style-type: none"> • C1704: LOW PRESSURE FL • C1705: LOW PRESSURE FR • C1706: LOW PRESSURE RR • C1707: LOW PRESSURE RL • C1708: [NO DATA] FL • C1709: [NO DATA] FR • C1710: [NO DATA] RR • C1711: [NO DATA] RL • C1716: [PRESSDATA ERR] FL • C1717: [PRESSDATA ERR] FR • C1718: [PRESSDATA ERR] RR • C1719: [PRESSDATA ERR] RL • C1734: CONTROL UNIT |
| 6 | <ul style="list-style-type: none"> • B2621: INSIDE ANTENNA • B2622: INSIDE ANTENNA • B2623: INSIDE ANTENNA |

DTC Index

INFOID:000000006930015

NOTE:

The details of time display are as follows.

- CRNT: A malfunction is detected now.
- PAST: A malfunction was detected in the past.

IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to [BCS-19, "COMMON ITEM : CONSULT-III Function \(BCM - COMMON ITEM\)"](#).

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| CONSULT display | Fail-safe | Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition | Intelligent Key warning lamp ON | Tire pressure monitor warn- ing lamp ON | Reference page |
|--|-----------|--|---------------------------------------|---|------------------------|
| No DTC is detected. further testing may be required. | — | — | — | — | — |
| U1000: CAN COMM CIRCUIT | — | — | — | — | BCS-42 |
| U1010: CONTROL UNIT (CAN) | — | — | — | — | BCS-43 |
| U0415: VEHICLE SPEED SIG | — | — | — | — | BCS-44 |
| B2013: ID DISCORD BCM-S/L* | × | × | — | — | SEC-52 |
| B2014: CHAIN OF S/L-BCM* | × | × | — | — | SEC-53 |
| B2190: NATS ANTENNA AMP | × | — | — | — | SEC-44 |
| B2191: DIFFERENCE OF KEY | × | — | — | — | SEC-47 |
| B2192: ID DISCORD BCM-ECM | × | — | — | — | SEC-48 |
| B2193: CHAIN OF BCM-ECM | × | — | — | — | SEC-50 |
| B2195: ANTI SCANNING | × | — | — | — | SEC-51 |
| B2553: IGNITION RELAY | — | × | — | — | PCS-52 |
| B2555: STOP LAMP | — | × | — | — | SEC-56 |
| B2556: PUSH-BTN IGN SW | — | × | × | — | SEC-58 |
| B2557: VEHICLE SPEED | × | × | × | — | SEC-60 |
| B2560: STARTER CONT RELAY | × | × | × | — | SEC-61 |
| B2562: LOW VOLTAGE | — | × | — | — | BCS-45 |
| B2601: SHIFT POSITION | × | × | × | — | SEC-62 |
| B2602: SHIFT POSITION | × | × | × | — | SEC-65 |
| B2603: SHIFT POSI STATUS | × | × | × | — | SEC-68 |
| B2604: PNP SW | × | × | × | — | SEC-71 |
| B2605: PNP SW | × | × | × | — | SEC-73 |
| B2606: S/L RELAY* | × | × | × | — | SEC-75 |
| B2607: S/L RELAY* | × | × | × | — | SEC-76 |
| B2608: STARTER RELAY | × | × | × | — | SEC-78 |
| B2609: S/L STATUS* | × | × | × | — | SEC-80 |
| B260A: IGNITION RELAY | × | × | × | — | PCS-54 |
| B260B: STEERING LOCK UNIT* | — | × | × | — | SEC-84 |
| B260C: STEERING LOCK UNIT* | — | × | × | — | SEC-85 |
| B260D: STEERING LOCK UNIT* | — | × | × | — | SEC-86 |
| B260F: ENG STATE SIG LOST | × | × | × | — | SEC-87 |
| B2612: S/L STATUS* | × | × | × | — | SEC-92 |
| B2614: ACC RELAY CIRC | — | × | × | — | PCS-56 |
| B2615: BLOWER RELAY CIRC | — | × | × | — | PCS-59 |
| B2616: IGN RELAY CIRC | — | × | × | — | PCS-62 |
| B2617: STARTER RELAY CIRC | × | × | × | — | SEC-96 |
| B2618: BCM | × | × | × | — | PCS-65 |
| B2619: BCM* | × | × | × | — | SEC-98 |
| B261A: PUSH-BTN IGN SW | — | × | × | — | PCS-66 |

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

| CONSULT display | Fail-safe | Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition | Intelligent Key warning lamp ON | Tire pressure monitor warn- ing lamp ON | Reference page |
|---------------------------|-----------|--|---------------------------------------|---|--|
| B261E: VEHICLE TYPE | × | × | × (Turn ON for 15 seconds) | — | SEC-99 |
| B2621: INSIDE ANTENNA | — | × | — | — | DLK-278 |
| B2622: INSIDE ANTENNA | — | × | — | — | • DLK-83 (Coupe) • DLK-280 (Roadster) |
| B2623: INSIDE ANTENNA | — | × | — | — | • DLK-85 (Coupe) • DLK-282 (Roadster) |
| B26E8: CLUTCH SW | × | × | × | — | SEC-88 |
| B26E9: S/L STATUS* | × | × | × (Turn ON for 15 seconds) | — | SEC-90 |
| B26EA: KEY REGISTRATION | — | × | × (Turn ON for 15 seconds) | — | SEC-91 |
| C1704: LOW PRESSURE FL | — | — | — | × | WT-23 |
| C1705: LOW PRESSURE FR | — | — | — | × | |
| C1706: LOW PRESSURE RR | — | — | — | × | |
| C1707: LOW PRESSURE RL | — | — | — | × | |
| C1708: [NO DATA] FL | — | — | — | × | WT-25 |
| C1709: [NO DATA] FR | — | — | — | × | |
| C1710: [NO DATA] RR | — | — | — | × | |
| C1711: [NO DATA] RL | — | — | — | × | |
| C1716: [PRESSDATA ERR] FL | — | — | — | × | WT-28 |
| C1717: [PRESSDATA ERR] FR | — | — | — | × | |
| C1718: [PRESSDATA ERR] RR | — | — | — | × | |
| C1719: [PRESSDATA ERR] RL | — | — | — | × | |
| C1729: VHCL SPEED SIG ERR | — | — | — | × | WT-30 |
| C1734: CONTROL UNIT | — | — | — | × | WT-32 |

*: For models without steering lock unit, this DTC is not applied.

REAR WINDOW DEFOGGER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

SYMPTOM DIAGNOSIS

REAR WINDOW DEFOGGER DOES NOT OPERATE

Diagnosis Procedure

INFOID:000000006352122

1.CHECK POWER SUPPLY AND GROUND CIRCUIT

Check power supply and ground circuit.

Refer to [DEF-13, "BCM : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK REAR WINDOW DEFOGGER SWITCH

Check rear window defogger switch.

• With Navigation: Refer to [DEF-14, "WITH NAVIGATION : Component Function Check"](#).

• Without Navigation: Refer to [DEF-14, "WITHOUT NAVIGATION : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Refer to [DEF-16, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CHECK REAR WINDOW DEFOGGER

Check rear window defogger.

Refer to [DEF-18, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

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REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

< SYMPTOM DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

Diagnosis Procedure

INFOID:000000006352123

1.CHECK POWER SUPPLY AND GROUND CIRCUIT

Check power supply and ground circuit.

Refer to [DEF-13, "BCM : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK REAR WINDOW DEFOGGER SWITCH

Check rear window defogger switch.

Refer to [DEF-14, "WITH NAVIGATION : Component Function Check"](#)(With Navi) or [DEF-14, "WITHOUT NAVIGATION : Component Function Check"](#)(Without Navi).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Refer to [DEF-16, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

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

< SYMPTOM DIAGNOSIS >

[COUPE]

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

Diagnosis Procedure

INFOID:000000006352124

1.CHECK REAR WINDOW DEFOGGER

Check rear window defogger.

Refer to [DEF-18, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

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DOOR MIRROR DEFOGGER DOES NOT OPERATE

[COUPE]

< SYMPTOM DIAGNOSIS >

DOOR MIRROR DEFOGGER DOES NOT OPERATE BOTH SIDES

BOTH SIDES : Diagnosis Procedure

INFOID:000000006352125

1.CHECK DOOR MIRROR DEFOGGER

Check door mirror defogger.

Refer to [DEF-23, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

DRIVER SIDE

DRIVER SIDE : Diagnosis Procedure

INFOID:000000006352126

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

Check driver side door mirror defogger.

Refer to [DEF-24, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

PASSENGER SIDE

PASSENGER SIDE : Diagnosis Procedure

INFOID:000000006352127

1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER.

Check passenger side door mirror defogger.

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT OPERATES

< SYMPTOM DIAGNOSIS >

[COUPE]

ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT OPERATES

Diagnosis Procedure

INFOID:000000006352128

1.CHECK AV CONTROL FUNCTION

Check that the AV control unit is operating normally. Refer to [AV-200, "Work Flow"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

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REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE

< SYMPTOM DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE WITH NAVIGATION

WITH NAVIGATION : Diagnosis Procedure

INFOID:000000006352129

1.CHECK REAR WINDOW DEFOGGER OPERATION

Check rear window defogger operation.

Is the inspection result normal?

YES >> Check AV control system. Refer to [AV-200. "Work Flow"](#).

NO >> Check rear window defogger system. Refer to [DEF-5. "Work Flow"](#).

WITHOUT NAVIGATION

WITHOUT NAVIGATION : Diagnosis Procedure

INFOID:000000006352130

1.CHECK A/C CONTROLLER FUNCTION

Check that the A/C controller is operating normally.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check A/C control system. Refer to [HAC-5. "Work Flow"](#).

2.CHECK REAR WINDOW DEFOGGER ON SIGNAL

Check rear window defogger ON signal.

Refer to [DEF-21. "Component Function Check"](#).

Is the inspection result normal?

YES >> Replace A/C controller (rear window defogger switch). Refer to [HAC-82. "BASE AUDIO : Removal and Installation"](#) (Base audio) or [HAC-85. "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#) (Bose audio without navigation).

NO >> Repair or replace the malfunctioning parts.

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

FOR USA AND CANADA : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000006352131

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 seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".
- Never 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:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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 3 minutes before performing any service.

FOR MEXICO

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

INFOID:000000006352132

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. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".
- Never 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:

PRECAUTIONS

< PRECAUTION >

[COUPE]

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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 3 minutes before performing any service.

REMOVAL AND INSTALLATION

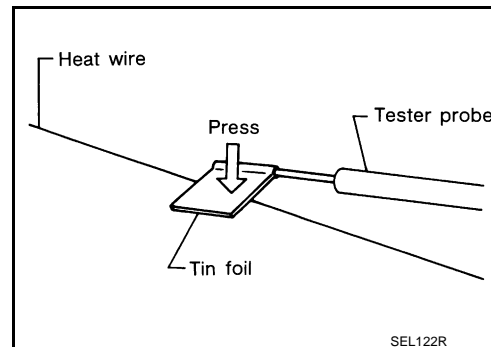
FILAMENT

Inspection and Repair

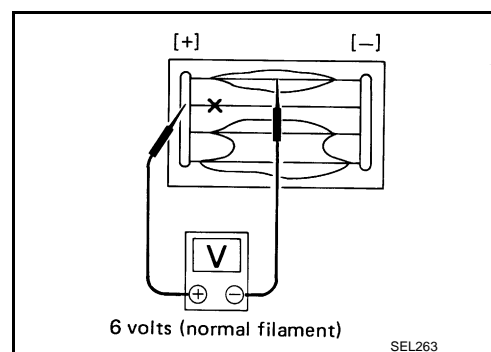
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INSPECTION

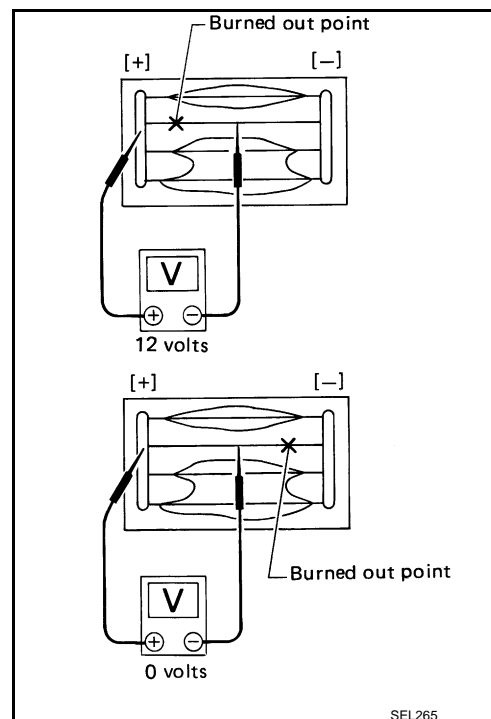
1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.



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 swings abruptly when probe passes the point.



REPAIR

REPAIR EQUIPMENT

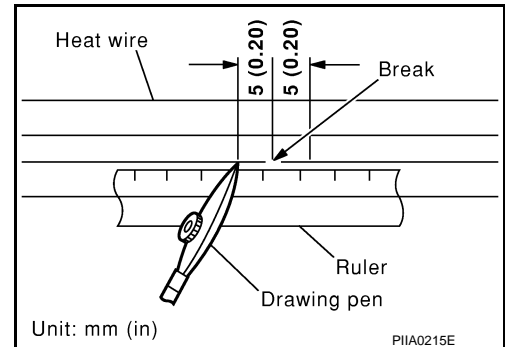
- Conductive silver composition (Dupont No. 4817 or an equivalent)

< REMOVAL AND INSTALLATION >

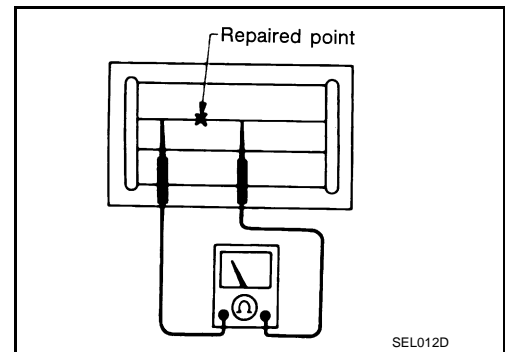
- Ruler 30 cm (11.8 in) long
- Drawing pen
- Heat gun
- Alcohol
- Cloth

REPAIRING PROCEDURE

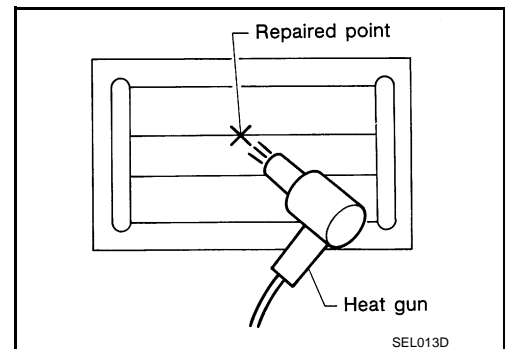
1. Wipe broken heat wire and its surrounding area clean with a cloth dampened in alcohol.
2. Apply a small amount of conductive silver composition to tip of drawing pen. Shake silver composition container before use.
3. Place ruler on glass along broken line. Deposit conductive silver composition on 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 complete, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited. 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. If a heat gun is not available, let the repaired area dry for 24 hours.



CONDENSER

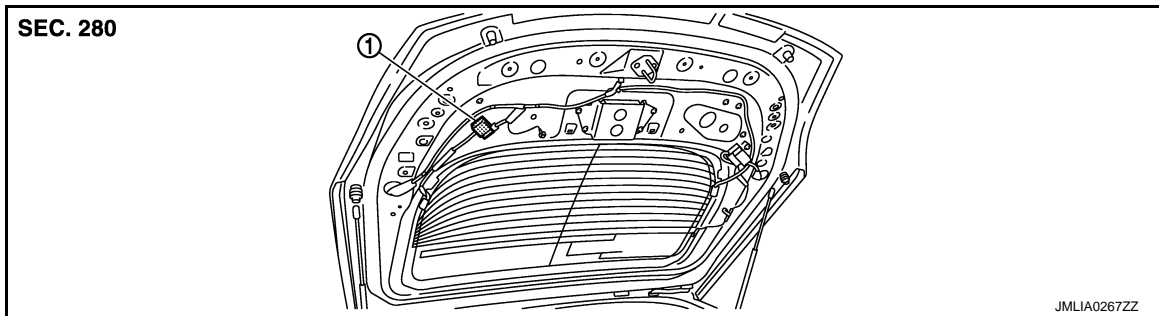
< REMOVAL AND INSTALLATION >

[COUPE]

CONDENSER

Exploded View

INFOID:000000006352134



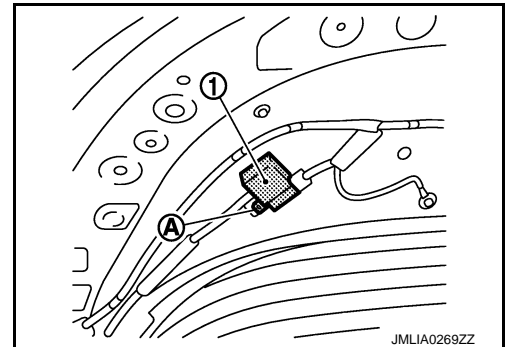
1. Condenser

Removal and Installation

INFOID:000000006352135

REMOVAL

1. Remove the back door finisher lower.
Refer to [INT-33, "Removal and Installation"](#).
2. Remove bolt (A), and then remove condenser (1) from the vehicle body.



INSTALLATION

Install in the reverse order of removal.

A
B
C
D
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H
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DEF
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O
P

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000006352136

DETAILED FLOW

1.OBTAIN INFORMATION ABOUT SYMPTOM

Interview the customer to obtain as much malfunction information (conditions and environment when the malfunction occurs) as possible when the customer brings the vehicle in.

>> GO TO 2.

2.CHECK DTC

Perform self-diagnosis with CONSULT-III

Are any DTC detected?

YES >> Refer to [BCS-85, "DTC Index"](#)

NO >> GO TO 3.

3.REPRODUCE THE MALFUNCTION INFORMATION

Check the malfunction on the vehicle that the customer describes.

Inspect the relation of the symptoms and the condition when the symptoms occur.

>> GO TO 4.

4.IDENTIFY THE MALFUNCTIONING SYSTEM WITH "SYMPTOM DIAGNOSIS"

Use "Symptom diagnosis" from the symptom inspection result in step 3. Then identify where to start performing the diagnosis based on possible causes and symptoms.

>> GO TO 5.

5.IDENTIFY MALFUNCTIONING PARTS WITH "COMPONENT DIAGNOSIS"

Perform the diagnosis with "Component diagnosis" of the applicable system.

>> GO TO 6.

6.REPAIR OR REPLACE THE MALFUNCTIONING PARTS

Repair or replace the specified malfunctioning parts.

>> GO TO 7.

7.FINAL CHECK

Check that malfunctions are not reproduced when obtaining the malfunction information from the customer, referring to the symptom inspection result in step 3.

Are all malfunctions corrected?

YES >> INSPECTION END

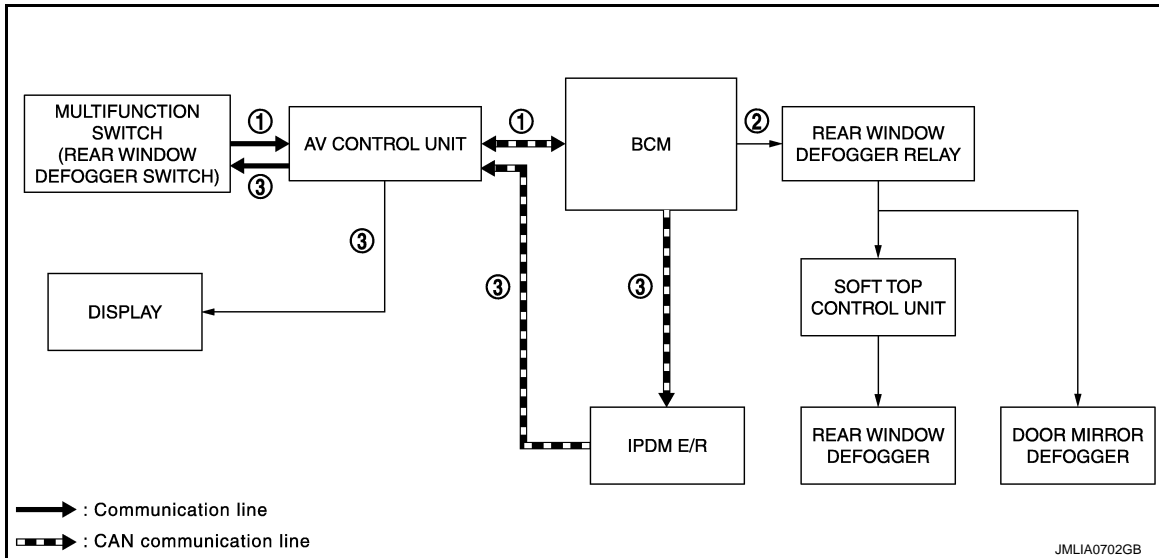
NO >> GO TO 4.

SYSTEM DESCRIPTION

REAR WINDOW DEFOGGER SYSTEM WITH NAVIGATION

WITH NAVIGATION : System Diagram

INFOID:000000006352137



1. Rear window defogger switch signal 2. Rear window defogger relay ON signal 3. Rear window defogger ON signal

WITH NAVIGATION : System Description

INFOID:000000006352138

OPERATION DESCRIPTION

- Turn rear window defogger switch ON when the ignition switch is ON. Then multifunction switch (rear window defogger switch) transmits rear window defogger switch signal to AV control unit via AV communication. AV control unit transmits rear window defogger switch signal to BCM via CAN communication.
- BCM turns rear window defogger relay ON and transmits rear window defogger ON signal to IPDM E/R via CAN communication when rear window defogger switch signal is received.
- Door mirror defoggers are supplied with power and operate when rear window defogger relay turns ON.
- Rear window defogger relay sends power supply to soft top control unit.
- Soft top control unit detects roof state and controls rear window defogger operation.
- IPDM E/R transmits rear window defogger ON signal to AV control unit via CAN communication.
- When receiving the signal, AV control unit indicates rear defogger ON on the display. At the same time, AV control unit transmits rear defogger ON signal to multifunction switch (rear window defogger switch) via AV communication and illuminates rear window defogger switch indicator.

TIMER FUNCTION

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

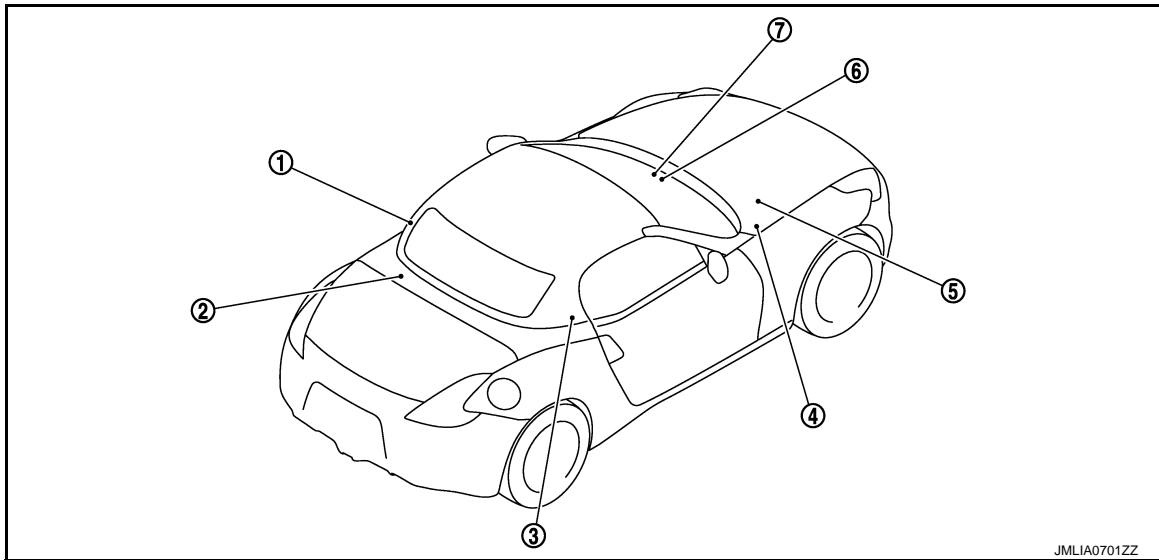
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[ROADSTER]

WITH NAVIGATION : Component Parts Location

INFOID:000000006352139



1. Rear window defogger connector
2. Soft top control unit
Refer to [RF-12, "Component Parts Location"](#).
3. Rear window defogger connector
4. IPDM E/R
Refer to [PCS-6, "Component Parts Location"](#).
5. BCM
Refer to [BCS-9, "Component Parts Location"](#).
6. AV control unit
Refer to [AV-140, "Component Parts Location"](#).
7. Multifunction switch (rear window defogger switch)

WITH NAVIGATION : Component Description

INFOID:000000006352140

| | |
|---|--|
| Multifunction switch (Rear window defogger switch) | <ul style="list-style-type: none">• The rear window defogger switch is installed.• Turns the indicator lamp ON when detecting the operation of rear window defogger relay. |
| AV control unit | Displays the rear window defogger is ON on the display when detecting the operation of rear window defogger relay. |
| BCM | <ul style="list-style-type: none">• Operates the rear window defogger relay when receiving rear window defogger switch signal.• Performs the timer control of rear window defogger relay. |
| Rear window defogger relay | <ul style="list-style-type: none">• Operates the door mirror defoggers with the control signal from BCM.• Power is supplied to the soft top control unit (rear window defogger) with the control signal from BCM. |
| Door mirror defogger | Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up. |
| Soft top control unit | Soft top control unit detects roof state and controls rear window defogger operation. |
| Rear window defogger | Heats the heating wire with the power supply from the soft top control unit to prevent the rear window from fogging up. |
| IPDM E/R | Transmits rear window defogger ON signal to AV control unit via CAN communication. |

WITHOUT NAVIGATION

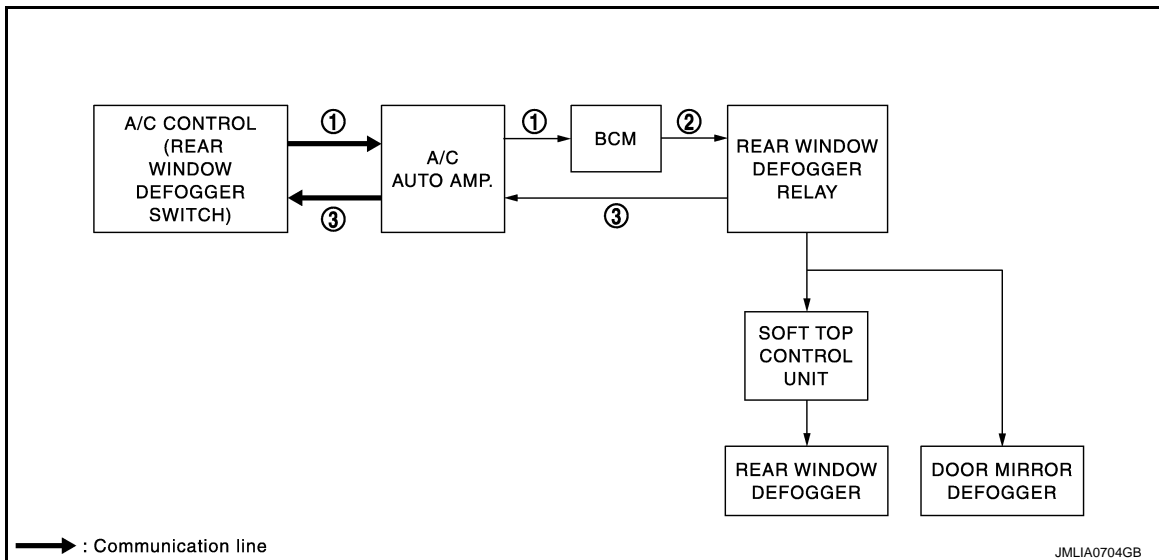
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[ROADSTER]

WITHOUT NAVIGATION : System Diagram

INFOID:000000006352141



1. Rear window defogger switch signal 2. Rear window defogger relay ON signal 3. Rear window defogger ON signal

WITHOUT NAVIGATION : System Description

INFOID:000000006352142

OPERATION DESCRIPTION

- Turn rear window defogger switch ON when the ignition switch is ON. Then A/C control (rear window defogger switch) transmits rear window defogger switch signal to A/C auto amp. and BCM.
- BCM turns rear window defogger relay ON when rear window defogger switch signal is received.
- Door mirror defoggers are supplied with power and operate when rear window defogger relay turns ON.
- Rear window defogger relay sends power supply to soft top control unit.
- Soft top control unit detects roof state and controls rear window defogger operation.
- Rear window defogger relay transmits rear window defogger ON signal to A/C auto amp. when rear window defogger operates.
- At the same time, A/C auto amp. transmits rear defogger ON signal to A/C controller (rear window defogger switch) and illuminates rear window defogger switch indicator.

TIMER FUNCTION

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

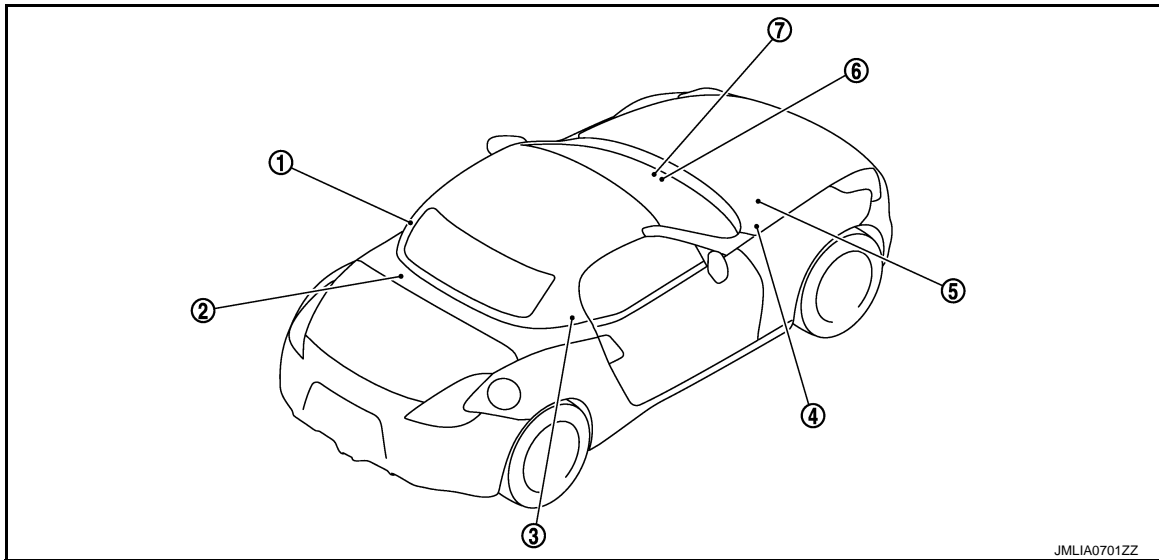
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[ROADSTER]

WITHOUT NAVIGATION : Component Parts Location

INFOID:000000006352143



- | | | |
|---|--|---|
| 1. Rear window defogger connector | 2. Soft top control unit Refer to RF-12, "Component Parts Location" . | 3. Rear window defogger connector |
| 4. IPDM E/R Refer to PCS-6, "Component Parts Location" . | 5. BCM Refer to BCS-9, "Component Parts Location" . | 6. A/C auto amp. Refer to HAC-22, "Component Parts Location" . |
| 7. A/C control (rear window defogger switch) | | |

WITHOUT NAVIGATION : Component Description

INFOID:000000006352144

| | |
|--|--|
| A/C control (Rear window defogger switch) | <ul style="list-style-type: none"> The rear window defogger switch is installed. Turns the indicator lamp ON when detecting the operation of rear window defogger relay. |
| A/C auto amp. | Transmit rear window defogger switch signal to BCM via CAN communication. |
| BCM | <ul style="list-style-type: none"> Operates the rear window defogger relay with the operation of rear window defogger switch. Performs the timer control of rear window defogger relay. |
| Rear window defogger relay | <ul style="list-style-type: none"> Operates the door mirror defogger with the control signal from BCM. Power is supplied to the soft top control unit (rear window defogger) with the control signal from BCM. |
| Door mirror defogger | Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up. |
| Soft top control unit | Soft top control unit detects roof state and controls rear window defogger operation. |
| Rear window defogger | Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up. |

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT-III Function (BCM - COMMON ITEM)

INFOID:000000006352145

APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with BCM.

| Diagnosis mode | Function Description |
|--------------------------|--|
| Work Support | Changes the setting for each system function. |
| Self Diagnostic Result | Displays the diagnosis results judged by BCM. |
| CAN Diag Support Monitor | Monitors the reception status of CAN communication viewed from BCM. Refer to CONSULT-III operation manual. |
| Data Monitor | The BCM input/output signals are displayed. |
| Active Test | The signals used to activate each device are forcibly supplied from BCM. |
| Ecu Identification | The BCM part number is displayed. |
| Configuration | <ul style="list-style-type: none">Read and save the vehicle specification.Write the vehicle specification when replacing BCM. |

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

It can perform the diagnosis modes except the following for all sub system selection items.

×: Applicable item

| System | Sub system selection item | Diagnosis mode | | |
|--|-----------------------------|----------------|--------------|-------------|
| | | Work Support | Data Monitor | Active Test |
| Door lock | DOOR LOCK | × | × | × |
| Rear window defogger | REAR DEFOGGER | | × | × |
| Warning chime | BUZZER | | × | × |
| Interior room lamp timer | INT LAMP | × | × | × |
| Exterior lamp | HEAD LAMP | × | × | × |
| Wiper and washer | WIPER | × | × | × |
| Turn signal and hazard warning lamps | FLASHER | × | × | × |
| — | AIR CONDITONER* | | | |
| <ul style="list-style-type: none">Intelligent Key systemEngine start system | INTELLIGENT KEY | × | × | × |
| Combination switch | COMB SW | | × | |
| Body control system | BCM | × | | |
| IVIS - NATS | IMMU | | × | × |
| Interior room lamp battery saver | BATTERY SAVER | × | × | × |
| Back door/Trunk lid open | TRUNK | | × | × |
| Vehicle security system | THEFT ALM | × | × | × |
| RAP system | RETAINED PWR | | × | |
| Signal buffer system | SIGNAL BUFFER | | × | × |
| TPMS | TPMS (AIR PRESSURE MONITOR) | × | × | × |

NOTE:

*: This item is displayed, but is not used.

FREEZE FRAME DATA (FFD)

The BCM records the following vehicle condition at the time a particular DTC is detected, and displays on CONSULT-III.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

| CONSULT screen item | Indication/Unit | Description | |
|---------------------|-----------------|--|--|
| Vehicle Speed | km/h | Vehicle speed of the moment a particular DTC is detected | |
| Odo/Trip Meter | km | Total mileage (Odometer value) of the moment a particular DTC is detected | |
| Vehicle Condition | SLEEP>LOCK | Power position status of the moment a particular DTC is detected | While turning BCM status from low power consumption mode to normal mode (Power supply position is "LOCK") |
| | SLEEP>OFF | | While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF".) |
| | LOCK>ACC | | While turning power supply position from "LOCK" to "ACC" |
| | ACC>ON | | While turning power supply position from "ACC" to "IGN" |
| | RUN>ACC | | While turning power supply position from "RUN" to "ACC" (Vehicle is stopping and selector lever is except P position.) |
| | CRANK>RUN | | While turning power supply position from "CRANKING" to "RUN" (From cranking up the engine to run it) |
| | RUN>URGENT | | While turning power supply position from "RUN" to "ACC" (Emergency stop operation) |
| | ACC>OFF | | While turning power supply position from "ACC" to "OFF" |
| | OFF>LOCK | | While turning power supply position from "OFF" to "LOCK" |
| | OFF>ACC | | While turning power supply position from "OFF" to "ACC" |
| | ON>CRANK | | While turning power supply position from "IGN" to "CRANKING" |
| | OFF>SLEEP | | While turning BCM status from normal mode (Power supply position is "OFF".) to low power consumption mode |
| | LOCK>SLEEP | | While turning BCM status from normal mode (Power supply position is "LOCK".) to low power consumption mode |
| | LOCK | | Power supply position is "LOCK" (Ignition switch OFF with steering is locked.) |
| | OFF | | Power supply position is "OFF" (Ignition switch OFF with steering is unlocked.) |
| | ACC | | Power supply position is "ACC" (Ignition switch ACC) |
| | ON | | Power supply position is "IGN" (Ignition switch ON with engine stopped) |
| | ENGINE RUN | | Power supply position is "RUN" (Ignition switch ON with engine running) |
| | CRANKING | | Power supply position is "CRANKING" (At engine cranking) |
| IGN Counter | 0 - 39 | The number of times that ignition switch is turned ON after DTC is detected <ul style="list-style-type: none"> • The number is 0 when a malfunction is detected now. • The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. • The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. | |

REAR WINDOW DEFOGGER

REAR WINDOW DEFOGGER : CONSULT-III Function (BCM - REAR DEFOGGER)

INFOID:000000006352146

Data monitor

| Monitor Item | Description |
|--------------|---|
| REAR DEF SW | <ul style="list-style-type: none"> • Without navigation: Displays "Press (ON)/other (OFF)" status determined with the rear window defogger switch • With navigation: This is displayed even when it is not equipped |
| PUSH SW | Indicates [ON/OFF] condition of push switch |

ACTIVE TEST

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

| Test Item | Description |
|---------------|---|
| REAR DEFOGGER | This test is able to check rear window defogger operation. Rear window defogger operates when "ON" on CONSULT-III screen is touched |

A
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DEF
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DTC/CIRCUIT DIAGNOSIS**POWER SUPPLY AND GROUND CIRCUIT****BCM****BCM : Diagnosis Procedure**

INFOID:000000006352147

1.CHECK FUSE AND FUSIBLE LINK

Check that the following fuse and fusible link are not blown.

| Signal name | Fuse and fusible link No. |
|----------------------|---------------------------|
| Battery power supply | K |
| | 10 |

Is the fuse fusing?

YES >> Replace the blown fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown.

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connectors.
3. Check voltage between BCM harness connector and ground.

| Terminals | | Voltage (Approx.) |
|-----------|----------|-------------------------------|
| (+) | (-) | |
| BCM | | Ground Battery voltage |
| Connector | Terminal | |
| M118 | 1 | |
| M119 | 11 | |

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3.CHECK GROUND CIRCUIT

Check continuity between BCM harness connector and ground.

| BCM | | Ground | Continuity |
|-----------|----------|--------|------------|
| Connector | Terminal | | |
| M119 | 13 | | Existed |

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

REAR WINDOW DEFOGGER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER SWITCH WITH NAVIGATION

WITH NAVIGATION : Description

INFOID:000000006352148

- The rear window defogger or door mirror defogger (with mirror defogger) are operated by turning the rear window defogger switch ON.
- The indicator lamp in the rear window defogger illuminates when the rear window defogger or door mirror defogger (with mirror defogger) are operating.

WITH NAVIGATION : Component Function Check

INFOID:000000006352149

1.CHECK FUNCTION

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

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.
NO >> Refer to [DEF-97, "WITH NAVIGATION : Diagnosis Procedure"](#)

WITH NAVIGATION : Diagnosis Procedure

INFOID:000000006352150

1.CHECK MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH)

Check multifunction switch (rear window defogger switch) operate. Refer to [AV-13, "Diagnosis Description"](#) (Base audio) or [AV-152, "Description"](#) (Bose audio).

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Repair or replace the malfunctioning parts.

WITHOUT NAVIGATION

WITHOUT NAVIGATION : Description

INFOID:000000006352151

- The rear window defogger or door mirror defogger (with mirror defogger) are operated by turning the rear window defogger switch ON.
- The indicator lamp in the rear window defogger illuminates when the rear window defogger or door mirror defogger (with mirror defogger) are operating.

WITHOUT NAVIGATION : Component Function Check

INFOID:000000006352152

1.CHECK FUNCTION

☑ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" or "BCM" using CONSULT-III.
3. Select "REAR DEF SW" in "DATA MONITOR" mode.
4. Check that the function operates normally according to the following conditions.

| Monitor item | Condition | | Status |
|--------------|-----------------------------|-----|--------|
| REAR DEF SW | Rear window defogger switch | ON | On |
| | | OFF | Off |

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.
NO >> Refer to [DEF-97, "WITHOUT NAVIGATION : Diagnosis Procedure"](#)

WITHOUT NAVIGATION : Diagnosis Procedure

INFOID:000000006352153

1.CHECK A/C CONTROL (REAR WINDOW DEFOGGER SWITCH)

Check A/C control system.

Refer to [HAC-5, "Work Flow"](#).

A

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REAR WINDOW DEFOGGER SWITCH

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

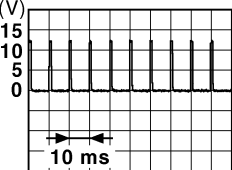
Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK BCM OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect A/C auto amp. connector.
3. Turn ignition switch ON.
4. Check signal between A/C auto amp. harness connector and ground with oscilloscope.

| (+) | | (-) | Signal (Reference value) |
|---------------|----------|--------|---|
| A/C auto amp. | | | |
| Connector | Terminal | | |
| M66 | 27 | Ground |  |

JPMIA0012GB

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-85, "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#).

NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector.
3. Check continuity between BCM harness connector and A/C auto amp. connector.

| BCM | | A/C auto amp. | | Continuity |
|-----------|----------|---------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M123 | 130 | M66 | 27 | Existed |

4. Check continuity between BCM harness connector and ground.

| BCM | | Ground | Continuity |
|-----------|----------|--------|-------------|
| Connector | Terminal | | |
| M123 | 130 | | Not existed |

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-92, "Removal and Installation"](#).

NO >> Repair or replace harness.

REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER RELAY

Description

INFOID:000000006352154

- Operates the door mirror defogger (with door mirror defogger) with the control signal from BCM.
- Power is supplied to the soft top control unit (rear window defogger) with the control signal from BCM.

Component Function Check

INFOID:000000006352155

1.CHECK FUNCTION

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

- YES >> Rear window defogger relay power supply circuit function is OK.
- NO >> Refer to [DEF-99, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352156

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.3, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK REAR WINDOW DEFOGGER RELAY CIRCUIT 1

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

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|-----------|----------|--------|------------------------------|-----|--------------------------|
| BCM | | | | | |
| Connector | Terminal | | | | |
| M123 | 151 | Ground | Rear window de-fogger switch | ON | 0 |
| | | | | OFF | Battery voltage |

Is the inspection result normal?

- YES >> GO TO 6.
- NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER RELAY CIRCUIT 2

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

| BCM | | Fuse block (J/B) | | Continuity |
|-----------|----------|------------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M123 | 151 | M2 | 4B | Existed |

4. Check continuity between BCM harness connector and ground.

| BCM | | Ground | Continuity |
|-----------|----------|--------|-------------|
| Connector | Terminal | | |
| M123 | 151 | | Not existed |

REAR WINDOW DEFOGGER RELAY

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

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

4.CHECK REAR WINDOW DEFOGGER RELAY

1. Disconnect rear window defogger relay,
2. Check rear window defogger relay.

Refer to [DEF-100, "Component Inspection"](#)

Is the inspection result normal?

- YES >> GO TO 5.
NO >> Replace rear window defogger relay.

5.CHECK FUSE BLOCK (J/B)

1. Install the rear window defogger relay.
2. Turn ignition switch ON.
3. Check voltage between fuse block (J/B) (fuse block side) and ground.

| (+) | | (-) | Voltage (V) (Approx.) |
|------------------|----------|--------|--------------------------|
| Fuse block (J/B) | | | |
| Connector | Terminal | | |
| M2 | 4B | Ground | Battery voltage |

Is the inspection result normal?

- YES >> GO TO 6.
NO >> Repair or replace fuse block (J/B).

6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-43, "Intermittent Incident"](#)

>> INSPECTION END

Component Inspection

INFOID:000000006352157

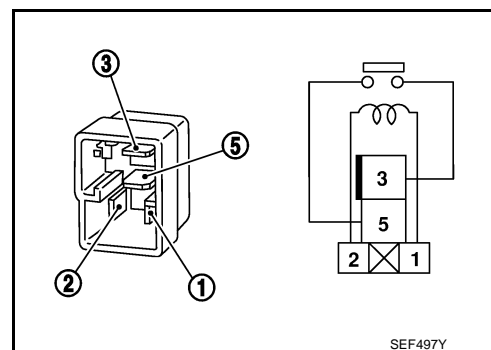
1.CHECK REAR WINDOW DEFOGGER RELAY

1. Turn ignition switch OFF.
2. Disconnect rear window defogger relay.
3. Check continuity between rear window defogger relay terminals.

| Terminal | | Condition | Continuity |
|----------------------------|---|--|-------------|
| Rear window defogger relay | | | |
| 3 | 5 | 12 V direct current supply between terminals 1 and 2 | Existed |
| | | No current supply | Not existed |

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Replace rear window defogger relay.



SOFT TOP CONTROL UNIT

Description

INFOID:000000006352158

Soft top control unit detects roof state and controls rear defogger.

Component Function Check

INFOID:000000006352159

1.CHECK REAR WINDOW DEFOGGER

 With CONSULT-III

1. Turn ignition switch ON and soft top fully close.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

YES >> Soft top control unit is OK.

NO >> Refer to [DEF-101, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352160

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check the following.
 - 20A fuse [No.14, located in fuse block (J/B)]
 - 20A fuse [No.15, located in fuse block (J/B)]

Is the inspection result normal

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK SOFT TOP CONTROL UNIT CIRCUIT

1. Disconnect soft top control unit connector and fuse block (J/B) connector.
2. Check continuity between soft top control unit and fuse block (J/B) harness connector.

| Fuse block (J/B) | | Soft top control unit | | Continuity |
|------------------|----------|-----------------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| B6 | 10G | B304 | 49 | Existed |
| | 11G | | 48 | |

3. Check continuity between soft top control unit and ground.

| Soft top control unit | | Ground | Continuity |
|-----------------------|----------|--------|-------------|
| Connector | Terminal | | |
| B304 | 49 | | Not existed |
| | 48 | | |

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness and ground.

3.CHECK FUSE BLOCK (J/B)

1. Turn ignition switch ON.
2. Check voltage between fuse block (J/B) (fuse block side) and ground.

SOFT TOP CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

| (+)Fuse block (J/B) | | (-) | Condition | | Voltage (V) (Approx.) |
|---------------------|----------|--------|-----------------------------|-----|--------------------------|
| Connector | Terminal | | | | |
| B6 | 10G | Ground | Rear window defogger switch | ON | Battery voltage |
| | | | | OFF | 0 |
| | 11G | | | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace fuse block (J/B).

4.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-43, "Intermittent Incident"](#).

>> INSPECTION END.

REAR WINDOW DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER

Description

INFOID:000000006352161

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:000000006352162

1.CHECK REAR WINDOW DEFOGGER

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

- YES >> Rear window defogger is OK.
NO >> Refer to [DEF-103, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352163

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch ON and soft top fully close.
2. Check voltage between rear window defogger harness connector and ground.

| (+) Rear window defogger | | (-) | Condition | | Voltage (V) (Approx.) |
|--------------------------|----------|--------|-----------------------------|-----|--------------------------|
| Connector | Terminal | | | | |
| B311 | 1 | Ground | Rear window defogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

- YES >> GO TO 3.
NO >> GO TO 2.

2.CHECK REAR WINDOW DEFOGGER CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect soft top control unit connector.
3. Check continuity between soft top control unit harness connector and rear window defogger harness connector.

| Soft top control unit | | Rear window defogger | | Continuity |
|-----------------------|----------|----------------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| B307 | 104 | B311 | 1 | Existed |
| | 111 | | | |

4. Check continuity between soft top control unit harness connector and ground.

| Soft top control unit | | Ground | Continuity |
|-----------------------|----------|--------|-------------|
| Connector | Terminal | | |
| B307 | 104 | | Not existed |
| | 111 | | |

Is the inspection result normal?

- YES >> Replace soft top control unit. Refer to [RF-246, "Removal and Installation"](#).
NO >> Repair or replace harness.

REAR WINDOW DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

3.CHECK GROUND CIRCUIT

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

| Rear window defogger | | Ground | Continuity |
|----------------------|----------|--------|------------|
| Connector | Terminal | | |
| B318 | 2 | | Existed |

Is the inspection result normal?

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

4.CHECK FILAMENT

Check filament.

Refer to [DEF-104, "Component Inspection"](#)

Is the inspection result normal?

- YES >> GO TO 5.
NO >> Repair or replace filament. Refer to [DEF-179, "Inspection and Repair"](#).

5.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-43, "Intermittent Incident"](#)

>> INSPECTION END

Component Inspection

INFOID:000000006352164

1.CHECK FILAMENT

Check the filament for damage.

Refer to [DEF-179, "Inspection and Repair"](#)

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Repair filament.

REAR WINDOW DEFOGGER ON SIGNAL

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER ON SIGNAL

Description

INFOID:000000006352165

Turns the indicator lamp in the rear window defogger switch ON when operating the rear window defogger.

Component Function Check

INFOID:000000006352166

1.CHECK FUNCTION

Check that the indicator lamps of rear window defogger switch are illuminated when turning the rear window defogger switch ON.

Is the inspection result normal?

YES >> Rear window defogger ON signal function is OK.

NO >> Refer to [DEF-105. "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000006352167

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.13, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK REAR WINDOW DEFOGGER INDICATOR LAMP ON SIGNAL

1. Turn ignition switch ON.
2. Check voltage between A/C auto amp. harness connector ground.

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|---------------|----------|--------|-----------------------------|-----|--------------------------|
| A/C auto amp. | | | | | |
| Connector | Terminal | | | | |
| M66 | 26 | Ground | Rear window defogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-85. "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#).

NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER INDICATOR LAMP CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector and A/C auto amp. connector.
3. Check continuity between fuse block (J/B) harness connector and A/C auto amp. harness connector.

| Fuse block (J/B) | | A/C auto amp. | | Continuity |
|------------------|----------|---------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M3 | 9C | M66 | 26 | Existed |

4. Check continuity between fuse block (J/B) harness connector and ground.

| Fuse block (J/B) | | Ground | Continuity |
|------------------|----------|--------|-------------|
| Connector | Terminal | | |
| M3 | 9C | | Not existed |

Is the inspection result normal?

YES >> Repair or replace fuse block (J/B).

NO >> Repair or replace harness.

DOOR MIRROR DEFOGGER

Description

INFOID:000000006352168

Power is supplied to the door mirror defogger with BCM control.

Component Function Check

INFOID:000000006352169

1.CHECK DOOR MIRROR DEFOGGER

ⓘ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that both side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Door mirror defogger is OK.
 NO >> Refer to [DEF-106. "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352170

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check the following.
 - 10A fuse (No.13, located in fuse block (J/B))

Is the inspection result normal?

- YES >> GO TO 2.
 NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK FUSE BLOCK (J/B)

1. Turn ignition switch ON.
2. Check voltage between fuse block (J/B) (fuse block side) and ground.

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|------------------|----------|--------|------------------------------|-----|--------------------------|
| Fuse block (J/B) | | | | | |
| Connector | Terminal | | | | |
| M3 | 9C | Ground | Rear window de-fogger switch | ON | Battery voltage |
| | | | | OFF | 0 |
| | 10C | | | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

- YES >> INSPECTION END.
 NO >> Replace fuse block (J/B).

DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DRIVER SIDE DOOR MIRROR DEFOGGER

Description

INFOID:000000006352171

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:000000006352172

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

④ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the driver side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Driver side door mirror defogger is OK.
NO >> Refer to [DEF-107, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352173

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (driver side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (driver side) harness connector and ground.

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|---------------------------|----------|--------|------------------------------|-----|--------------------------|
| Door mirror (driver side) | | | | | |
| Connector | Terminal | | | | |
| D3 | 4 | Ground | Rear window de-fogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

- YES >> GO TO 4.
NO >> GO TO 2.

2.CHECK FUSE BLOCK (J/B) OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector.
3. Turn ignition switch ON.
4. Check voltage between fuse block (J/B) harness connector and ground.

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|------------------|----------|--------|------------------------------|-----|--------------------------|
| Fuse block (J/B) | | | | | |
| Connector | Terminal | | | | |
| M3 | 10C | Ground | Rear window de-fogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace fuse block (J/B).

3.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER CIRCUIT

1. Turn ignition switch OFF.

A
B
C
D
E
F
G
H
I
J
K
DEF
M
N
O
P

DRIVER SIDE DOOR MIRROR DEFOGGER

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

2. Check continuity between fuse block (J/B) harness connector and door mirror (driver side) harness connector.

| Fuse block (J/B) | | Door mirror (driver side) | | Continuity |
|------------------|----------|---------------------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M3 | 10C | D3 | 4 | Existed |

3. Check continuity between fuse block (J/B) harness connector and ground.

| Fuse block (J/B) | | Ground | Continuity |
|------------------|----------|--------|-------------|
| Connector | Terminal | | |
| M3 | 10C | Ground | Not existed |

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

4.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (driver side) harness connector and ground.

| Door mirror (driver side) | | Ground | Continuity |
|---------------------------|----------|--------|------------|
| Connector | Terminal | | |
| D3 | 8 | Ground | Existed |

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

Check driver side door mirror defogger.

Refer to [DEF-108, "Component Inspection"](#)

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace door mirror (driver side). Refer to [GW-20, "Removal and Installation"](#).

6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-43, "Intermittent Incident"](#).

Is the inspection result normal?

>> INSPECTION END.

Component Inspection

INFOID:000000006352174

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.
2. Disconnect door mirror (driver side) connector.
3. Check continuity between door mirror terminals.

| Door mirror (driver side) | | | Continuity |
|---------------------------|----------|---|------------|
| Connector | Terminal | | |
| D3 | 4 | 8 | Existed |

Is the inspection result normal?

YES >> INSPECTION END.

NO >> Replace door mirror (driver side). Refer to [GW-20, "Removal and Installation"](#).

PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

PASSENGER SIDE DOOR MIRROR DEFOGGER

Description

INFOID:000000006352175

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:000000006352176

1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the passenger side door mirror glass is getting warmer.

Is the inspection result normal?

YES >> Passenger side door mirror defogger is OK.

NO >> Refer to [DEF-109, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000006352177

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (passenger side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (passenger side) harness connector and ground.

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|------------------------------|----------|--------|------------------------------|-----|--------------------------|
| Door mirror (Passenger side) | | | | | |
| Connector | Terminal | | | | |
| D33 | 4 | Ground | Rear window de-fogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 2.

2.CHECK FUSE BLOCK (J/B) OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector.
3. Turn ignition switch ON.
4. Check voltage between fuse block (J/B) harness connector and ground.

| (+) | | (-) | Condition | | Voltage (V) (Approx.) |
|------------------|----------|--------|------------------------------|-----|--------------------------|
| Fuse block (J/B) | | | | | |
| Connector | Terminal | | | | |
| M3 | 9C | Ground | Rear window de-fogger switch | ON | Battery voltage |
| | | | | OFF | 0 |

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace fuse block (J/B).

3.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.

PASSENGER SIDE DOOR MIRROR DEFOGGER

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

2. Check continuity between fuse block (J/B) harness connector and door mirror (passenger side) harness connector.

| Fuse block (J/B) | | Door mirror (passenger side) | | Continuity |
|------------------|----------|------------------------------|----------|------------|
| Connector | Terminal | Connector | Terminal | |
| M3 | 9C | D33 | 4 | Existed |

3. Check continuity between fuse block (J/B) harness connector and ground.

| Fuse block (J/B) | | Ground | Continuity |
|------------------|----------|--------|-------------|
| Connector | Terminal | | |
| M3 | 9C | Ground | Not existed |

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

4.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (passenger side) harness connector and ground.

| Door mirror (passenger side) | | Ground | Continuity |
|------------------------------|----------|--------|------------|
| Connector | Terminal | | |
| D33 | 8 | Ground | Existed |

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

Check passenger side door mirror defogger.

Refer to [DEF-110, "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace door mirror (passenger side). Refer to [GW-20, "Removal and Installation"](#).

6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-43, "Intermittent Incident"](#).

>> INSPECTION END.

Component Inspection

INFOID:000000006352178

1.CHECK PASSENGER DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.
2. Disconnect door mirror (passenger side) connector.
3. Check continuity between door mirror terminals.

| Door mirror (passenger side) | | | Continuity |
|------------------------------|----------|---|------------|
| Connector | Terminal | | |
| D33 | 4 | 8 | Existed |

Is the inspection result normal?

YES >> INSPECTION END.

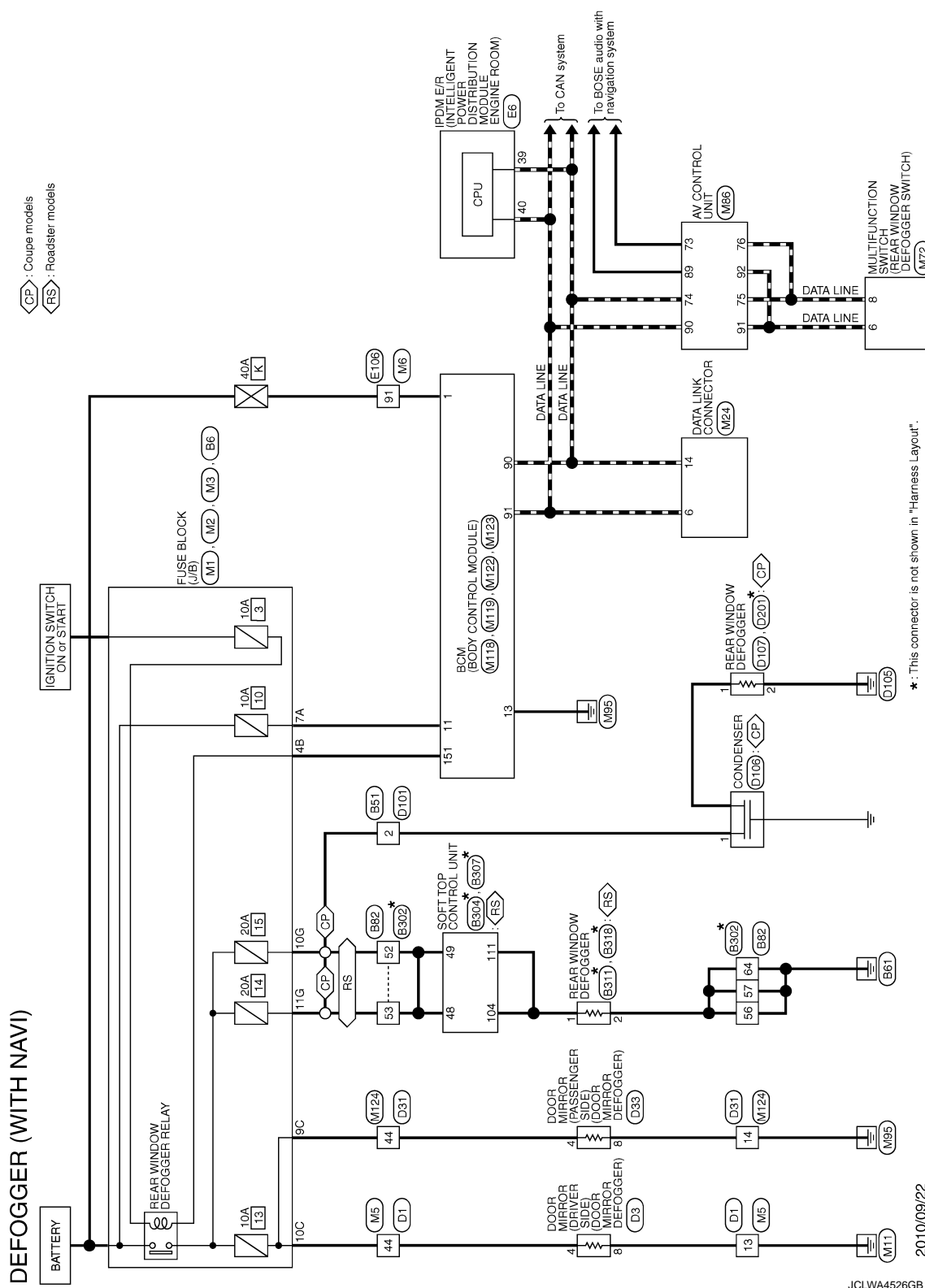
NO >> Replace door mirror (passenger side). Refer to [GW-20, "Removal and Installation"](#).

[ROADSTER]

REAR WINDOW DEFOGGER SYSTEM

Wiring Diagram - DEFOGGER (WITH NAVI) -

INFOID:0000000006352179



✱: This connector is not shown in "Harness Layout".

2010/09/22

JCLWA4526GB

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITH NAVI)

| | |
|----------------|------------------|
| Connector No. | B86 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FB-CS |



| | | | | |
|-----|-----|-----|----|----|
| 5G | 4G | 3G | 2G | 1G |
| 123 | 116 | 103 | 96 | 89 |
| 73 | 66 | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 5G | LG | W |
| 10G | P | — [Coupe models] |
| 11G | W | — [Roadster models] |
| 11G | G | — [Coupe models] |
| 12G | Y | — [Roadster models] |

| | |
|----------------|--------------|
| Connector No. | B51 |
| Connector Name | WIRE TO WIRE |
| Connector Type | M04MW-LG |



| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | Y | — |
| 4 | B | — |

| | |
|----------------|--------------|
| Connector No. | B82 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS |



| | | | | | | |
|----|----|----|----|----|----|----|
| 57 | 56 | 55 | 54 | 53 | 52 | 51 |
| 66 | 65 | 64 | 63 | 62 | 61 | 60 |
| 59 | 58 | | | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 52 | P | — |
| 52 | G | — |
| 53 | R | — |
| 56 | B | — |
| 57 | B | — |
| 58 | Y | — |
| 59 | B | — |
| 60 | LG | — |
| 61 | L | — |
| 62 | L | — |
| 63 | L | — |
| 64 | B | — |
| 65 | Y | — |
| 66 | Y | — |

| | |
|----------------|--------------|
| Connector No. | B302 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MW-CS |



| | | | | | | |
|----|----|----|----|----|----|----|
| 51 | 52 | 53 | 54 | 55 | 56 | 57 |
| 58 | 59 | 60 | 61 | 62 | 63 | 64 |
| 65 | 66 | | | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 52 | R | — |
| 53 | R | — |
| 55 | V | — |
| 56 | B | — |
| 57 | B | — |
| 58 | B | — |
| 59 | DG | — |
| 60 | DG | — |
| 61 | R | — |
| 62 | R | — |
| 63 | R | — |
| 64 | B | — |
| 65 | R | — |
| 66 | R | — |

| | |
|----------------|-----------------------|
| Connector No. | B304 |
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | NS12FW-CS |



| | | | | |
|----|----|----|----|----|
| 48 | 49 | 50 | 51 | 52 |
| 41 | 42 | 43 | 44 | 45 |
| 46 | 47 | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 41 | DG | TRUNK OPENER ACTUATOR |
| 48 | R | REAR WINDOW DEF IN 2 |
| 49 | R | REAR WINDOW DEF IN 1 |

| | |
|----------------|-----------------------|
| Connector No. | B307 |
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | NS16FW-CS |



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| 103 | 104 | 107 | 108 | 109 | 110 | 111 |
| 96 | 97 | 98 | 99 | 100 | 101 | 102 |
| 103 | 104 | | | | | |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 96 | W | SWITCHING VALVE 4 |
| 97 | LG | SWITCHING VALVE 3 |
| 98 | L | SWITCHING VALVE 2 |
| 99 | O | SWITCHING VALVE 1 |
| 100 | BR | HYDRAULIC PUMP RELAY 2 + |
| 101 | SB | HYDRAULIC PUMP RELAY 1 + |
| 102 | P | SWITCHING VALVE 5 |
| 103 | B | HYDRAULIC UNIT GND |
| 104 | R | REAR WINDOW DEF OUT 2 |
| 111 | R | REAR WINDOW DEF OUT 1 |

| | |
|----------------|----------------------|
| Connector No. | B311 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | — |



| |
|---|
| 1 |
|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | — | — |

| | |
|----------------|----------------------|
| Connector No. | B318 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | — |



| |
|---|
| 2 |
|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | — | — |

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITH NAVI)

| | |
|----------------|--------------|
| Connector No. | D1 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-CS15 |



| | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 48 | 49 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | | | | |
| 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | | | | | | |
| | | | | | | | | | 28 | 29 | 24 | 23 | 22 | 21 |
| | | | | | | | | | 35 | 34 | 33 | 32 | 31 | 30 |
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| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7 | Y | - |
| 8 | Y | - |
| 9 | G | - |
| 10 | B | - |
| 11 | P | - [With BOSE system] |
| 12 | V | - [Without BOSE system] |
| 13 | B | - |
| 14 | SB | - [Coupe models] |
| 15 | W | - [Roadster models] |
| 16 | G | - |
| 17 | R | - |
| 18 | L | - |
| 19 | B | - |
| 20 | SB | - |
| 21 | W | - |
| 22 | LG | - |
| 23 | R | - |
| 24 | L | - |
| 25 | B | - |
| 26 | SB | - |
| 27 | W | - |
| 28 | LG | - |
| 29 | R | - |
| 30 | V | - |
| 31 | B | - |
| 32 | SB | - |
| 33 | W | - |
| 34 | LG | - |
| 35 | G | - |

| | |
|----------------|---------------------------|
| Connector No. | D3 |
| Connector Name | DOOR MIRROR (DRIVER SIDE) |
| Connector Type | TH08MW-NH |



| | | | | |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 8 |
|---|---|---|---|---|

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

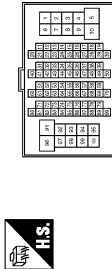
DEFOGGER (WITH NAVI)

| | |
|----------------|--|
| Connector No. | E6 |
| Connector Name | ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | TH80FW-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 39 | P | - |
| 40 | L | - |
| 41 | B/W | - |
| 42 | Y | - |
| 43 | SB | - |
| 44 | W | - |
| 45 | G | - |
| 46 | V | - |

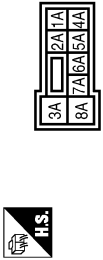
| | |
|----------------|-----------------|
| Connector No. | E106 |
| Connector Name | WIRE TO WIPE |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | Y | - |
| 3 | L | - |
| 4 | L | - |
| 7 | B | - |
| 8 | P | - |
| 9 | B | - |
| 11 | V | - |
| 12 | R | - |
| 13 | L | - |
| 14 | GR | - |
| 15 | P | - |
| 16 | W | - |
| 17 | SB | - |
| 20 | LG | - |

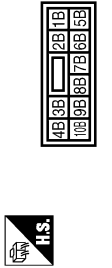
| | | |
|----|--------|---|
| 21 | BR | - [Coupe models] - [Roadster models] |
| 21 | G | - |
| 31 | L | - |
| 32 | Y | - |
| 33 | P | - |
| 34 | L | - |
| 35 | BR | - |
| 36 | V | - |
| 37 | Y | - |
| 38 | R | - |
| 39 | B | - |
| 40 | W | - |
| 41 | LG | - |
| 42 | SB | - |
| 43 | G | - |
| 44 | GR | - [Except for roadster models with M/T] - [Roadster models with M/T] |
| 45 | R | - |
| 46 | BG | - |
| 47 | P | - |
| 48 | W | - |
| 49 | Y | - |
| 50 | SHIELD | - |
| 51 | L | - |
| 52 | P | - |
| 53 | W | - |
| 54 | P | - |
| 55 | G | - |
| 56 | V | - |
| 57 | G | - |
| 58 | V | - |
| 59 | L | - |
| 60 | W | - |
| 61 | P | - |
| 62 | G | - |
| 63 | V | - |
| 64 | L | - |
| 65 | BG | - |
| 66 | LG | - |
| 67 | R | - |
| 68 | P | - |
| 69 | P | - |
| 70 | W | - |
| 71 | W | - |
| 72 | L | - |
| 73 | G | - |
| 74 | Y | - |
| 75 | Y | - |
| 76 | BR | - |
| 77 | BR | - |
| 78 | GR | - |
| 79 | LG | - |
| 80 | BG | - |

| | |
|----------------|------------------|
| Connector No. | M1 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS86FW-M2 |



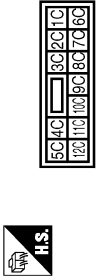
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1A | V | - |
| 2A | G | - |
| 3A | L | - |
| 4A | P | - |
| 5A | L | - |
| 6A | Y | - |
| 7A | BR | - |
| 8A | L | - |

| | |
|----------------|------------------|
| Connector No. | M2 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS10FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3B | P | - |
| 4B | G | - |
| 5B | O | - |
| 6B | Y | - |
| 7B | R | - |
| 8B | R | - |
| 9B | SB | - |

| | |
|----------------|------------------|
| Connector No. | M3 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 6C | R | - |
| 7C | B | - |
| 8C | O | - |
| 9C | L | - |
| 10C | LG | - |
| 11C | LG | - |
| 12C | O | - |

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITH NAVI)

| | |
|----------------|--------------|
| Connector No. | M5 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40MW-CS-5 |



| | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7 | Y | - |
| 8 | Y | - |
| 9 | G | - |
| 10 | V | - |
| 11 | V | - |
| 12 | L | - |
| 13 | B | - |
| 14 | Y | - |
| 15 | W | - |
| 19 | Y | - |
| 23 | Y/B | - |
| 44 | L | - |
| 47 | B | - |
| 48 | SB | - |
| 49 | Y | - |
| 50 | W | - |
| 51 | R | - |
| 52 | L | - |
| 53 | W | - |
| 54 | G | - |
| 55 | R | - |

| | |
|----------------|-----------------|
| Connector No. | M6 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS18-TM4 |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | Y | - |

| | | |
|----|--------|--------------|
| 3 | L | - |
| 4 | L | - |
| 7 | B | - |
| 8 | P | - |
| 9 | B | - |
| 11 | GR | - |
| 12 | R | - |
| 13 | L | - |
| 14 | G | - |
| 15 | P | - |
| 16 | W | - |
| 17 | BR | - |
| 20 | GR | - |
| 21 | R | - |
| 31 | BR | - |
| 32 | V | - |
| 33 | P | - |
| 34 | L | - |
| 35 | BR | - |
| 36 | SB | - |
| 37 | Y | - |
| 38 | L | - |
| 39 | SB | - |
| 40 | W | - |
| 41 | LG | - |
| 42 | R | - |
| 43 | G | - |
| 44 | G | - [With A/T] |
| 45 | R | - [With M/T] |
| 46 | G | - |
| 47 | BR | - |
| 58 | SHIELD | - |
| 59 | L | - |
| 70 | R | - |
| 80 | LG | - |
| 81 | GR | - |
| 82 | V | - |
| 83 | V | - |
| 84 | L | - |
| 85 | BR | - |
| 86 | Y | - |
| 87 | G | - |
| 89 | P | - |
| 91 | W | - |
| 92 | P | - |
| 93 | P | - |
| 94 | Y | - |
| 96 | P | - |
| 97 | GR | - |
| 98 | O | - |
| 99 | W | - |

| | | |
|-----|---|---|
| 100 | R | - |
|-----|---|---|

| | |
|----------------|---------------------|
| Connector No. | M24 |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |



| | | | | | | | | |
|--|--|----|---|---|---|----|---|----|
| | | 11 | | | | 14 | | 16 |
| | | 3 | 4 | 5 | 6 | 7 | 8 | |

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITH NAVI)

| | |
|----------------|---------------------------|
| Connector No. | M118 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | MOBFC-LC |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---------------------------------|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

| | |
|----------------|---------------------------|
| Connector No. | M119 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | NS16FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|------------------------------------|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW ILL POWER |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

| | |
|----------------|---------------------------|
| Connector No. | M122 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH4CFB-NH |



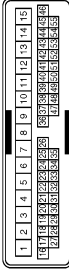
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--------------------------------------|
| 72 | L | ROOM ANT 2- |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT- |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT- |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1- |
| 79 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP |
| 81 | W | NATS ANT |
| 82 | R | IGN RELAY (F/B) CONT |
| 83 | GR | KYLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 5 |
| 88 | V | COMBI SW INPUT 3 |
| 89 | BR | PUSH SW |
| 90 | P | CAN-L |
| 91 | L | CAN-H |
| 92 | LG | KEY SLOT ILL |
| 93 | V | ON IND |
| 95 | O | ACC RELAY CONT |
| 96 | Y | A/T SHIFT SELECTOR POWER SUPPLY |
| 97 | L | S/L CONDITION 1 |
| 98 | P | S/L CONDITION 2 |
| 99 | R | CLUTCH PEDAL POS SW (With M/T) |
| 100 | GR | SHIFT P (With A/T) |
| 101 | Y | PASSENGER DOOR REQUEST SW |
| 102 | O | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KYLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | Y | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

| | |
|----------------|---------------------------|
| Connector No. | M123 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH4CFG-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN F/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFOGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM (Roadster models) |
| 133 | G | POWER WINDOW SW COMM (Coupe models) |
| 134 | GR | PUSH BUTTON IGNITION SW ILL POWER |
| 137 | P | LOCK IND |
| 138 | V | RECEIVER / SENSOR GND |
| 139 | L | TIRE PRESS./KYLs ENT (REAR) RECEIVE COMM |
| 140 | G | P/N POSITION SW (With M/T) |
| 141 | Y | SHIFT N/P (With A/T) |
| 142 | O | SECURITY INDICATOR |
| 143 | P | COMBI SW OUTPUT 5 |
| 144 | G | COMBI SW OUTPUT 1 |
| 145 | L | COMBI SW OUTPUT 2 |
| 146 | SB | COMBI SW OUTPUT 3 |
| 150 | GR | COMBI SW OUTPUT 4 |
| 151 | G | DRIVER DOOR SW |
| | | REAR WINDOW DEFOGGER RELAY CONT |

| | |
|----------------|--------------|
| Connector No. | M124 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40MM-CS15 |



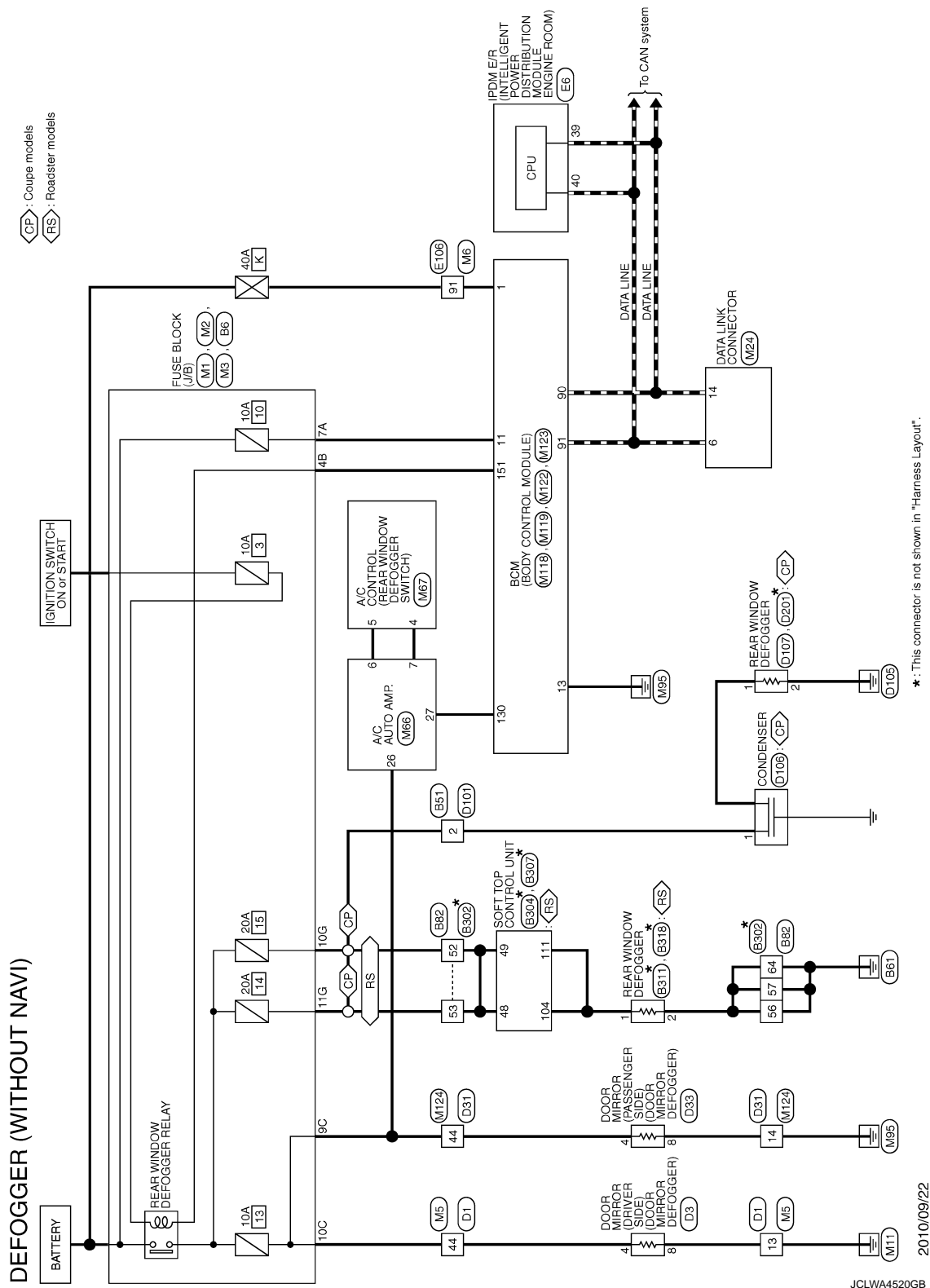
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10 | G | - |
| 11 | V | - |
| 12 | LG | - |
| 13 | V | - |
| 14 | B | - |
| 15 | W | - |
| 19 | Y | - |
| 23 | Y/B | - |
| 44 | O | - |
| 50 | Y | - |
| 51 | Y | - |
| 52 | GR | - |
| 53 | W | - |
| 54 | G | - |
| 55 | R | - |

JCLWA4531GB

[ROADSTER]

Wiring Diagram - DEFOGGER (WITHOUT NAVI) -

INFOID:0000000006352180



DEF

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITHOUT NAVI)

| | |
|----------------|------------------|
| Connector No. | B86 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FB-CS |



| | | | | | |
|----|----|----|----|----|----|
| 53 | 43 | 83 | 23 | 13 | 63 |
|----|----|----|----|----|----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 5G | LG | W |
| 10G | P | W |
| 11G | W | W |
| 12G | Y | W |

| | |
|----------------|--------------|
| Connector No. | B51 |
| Connector Name | WIRE TO WIRE |
| Connector Type | M04MW-LG |



| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | Y | W |
| 4 | B | W |

| | |
|----------------|--------------|
| Connector No. | B82 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS |



| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 57 | 56 | 55 | 64 | 63 | 62 | 61 | 60 | 59 | 58 |
|----|----|----|----|----|----|----|----|----|----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 52 | P | W |
| 53 | G | W |
| 54 | R | W |
| 55 | B | W |
| 56 | B | W |
| 57 | Y | W |
| 58 | B | W |
| 59 | B | W |
| 60 | LG | W |
| 61 | L | W |
| 62 | L | W |
| 63 | L | W |
| 64 | B | W |
| 65 | Y | W |
| 66 | Y | W |

| | |
|----------------|--------------|
| Connector No. | B302 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MW-CS |



| | | | | | | |
|----|----|----|----|----|----|----|
| 51 | 52 | 53 | 54 | 55 | 56 | 57 |
|----|----|----|----|----|----|----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 52 | R | W |
| 53 | R | W |
| 54 | V | W |
| 55 | B | W |
| 56 | B | W |
| 57 | B | W |
| 58 | SG | W |
| 59 | DG | W |
| 60 | DG | W |
| 61 | R | W |
| 62 | R | W |
| 63 | R | W |
| 64 | B | W |
| 65 | R | W |
| 66 | R | W |

| | |
|----------------|-----------------------|
| Connector No. | B304 |
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | NS12FW-CS |



| | | | | |
|----|----|----|----|----|
| 48 | 49 | 50 | 51 | 52 |
|----|----|----|----|----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 41 | DG | TRUNK OPENER ACTUATOR |
| 48 | R | REAR WINDOW DEF IN 2 |
| 49 | R | REAR WINDOW DEF IN 1 |

| | |
|----------------|-----------------------|
| Connector No. | B307 |
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | NS16FW-CS |



| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 96 | W | SWITCHING VALVE 4 |
| 97 | LG | SWITCHING VALVE 3 |
| 98 | L | SWITCHING VALVE 2 |
| 99 | O | SWITCHING VALVE 1 |
| 100 | BR | HYDRAULIC PUMP RELAY 2 + |
| 101 | SB | HYDRAULIC PUMP RELAY 1 + |
| 102 | P | SWITCHING VALVE 5 |
| 103 | B | HYDRAULIC UNIT GND |
| 104 | R | REAR WINDOW DEF OUT 2 |
| 111 | R | REAR WINDOW DEF OUT 1 |

| | |
|----------------|----------------------|
| Connector No. | B311 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | - |



| |
|---|
| 1 |
|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | - | - |

| | |
|----------------|----------------------|
| Connector No. | B318 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | - |



| |
|---|
| 2 |
|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2 | - | - |

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITHOUT NAVI)

| | |
|----------------|--------------|
| Connector No. | D1 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-CS15 |

| | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | | | | | |
| 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 |
| 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | | | | |

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

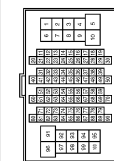
DEFOGGER (WITHOUT NAVI)

| | |
|----------------|--|
| Connector No. | E6 |
| Connector Name | REAR INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | TH80FW-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 39 | P | - |
| 40 | L | - |
| 41 | B/W | - |
| 42 | Y | - |
| 43 | SB | - |
| 44 | W | - |
| 45 | G | - |
| 46 | V | - |

| | |
|----------------|-----------------|
| Connector No. | E106 |
| Connector Name | WIRE TO WIPE |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | Y | - |
| 3 | L | - |
| 4 | L | - |
| 7 | B | - |
| 8 | P | - |
| 9 | B | - |
| 11 | V | - |
| 12 | R | - |
| 13 | L | - |
| 14 | GR | - |
| 15 | P | - |
| 16 | W | - |
| 17 | SB | - |
| 20 | LG | - |

| | | |
|-----|--------|---|
| 21 | BR | - [Coupe models] - [Roadster models] |
| 21 | G | - |
| 31 | L | - |
| 32 | Y | - |
| 33 | P | - |
| 34 | L | - |
| 35 | BR | - |
| 36 | V | - |
| 37 | Y | - |
| 38 | R | - |
| 39 | B | - |
| 40 | W | - |
| 41 | LG | - |
| 42 | SB | - |
| 43 | G | - |
| 44 | GR | - |
| 44 | R | - [Except for roadster models with M/T] - [Roadster models with M/T] |
| 45 | BG | - |
| 46 | W | - |
| 47 | P | - |
| 58 | SHIELD | - |
| 59 | L | - |
| 70 | P | - |
| 80 | W | - |
| 81 | P | - |
| 82 | G | - |
| 83 | V | - |
| 84 | L | - |
| 85 | BG | - |
| 86 | LG | - |
| 87 | R | - |
| 89 | P | - |
| 91 | W | - |
| 92 | L | - |
| 93 | G | - |
| 94 | Y | - |
| 96 | Y | - |
| 97 | BR | - |
| 98 | GR | - |
| 99 | LG | - |
| 100 | BG | - |

| | |
|----------------|------------------|
| Connector No. | M1 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS86FW-M2 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1A | V | - |
| 2A | G | - |
| 3A | L | - |
| 4A | P | - |
| 5A | L | - |
| 6A | Y | - |
| 7A | BR | - |
| 8A | L | - |

| | |
|----------------|------------------|
| Connector No. | M2 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS10FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3B | P | - |
| 4B | G | - |
| 5B | O | - |
| 6B | Y | - |
| 8B | R | - |
| 9B | SB | - |

| | |
|----------------|------------------|
| Connector No. | M3 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 6C | R | - |
| 7C | B | - |
| 9C | O | - |
| 10C | L | - |
| 11C | LG | - |
| 12C | O | - |

JCLWA4523GB

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITHOUT NAVI)

| | |
|----------------|--------------|
| Connector No. | M5 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS-5 |



| | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7 | Y | - |
| 8 | Y | - |
| 9 | G | - |
| 10 | V | - |
| 11 | V | - |
| 12 | L | - |
| 13 | B | - |
| 14 | Y | - |
| 15 | W | - |
| 19 | Y | - |
| 23 | Y/B | - |
| 44 | L | - |
| 47 | B | - |
| 48 | SB | - |
| 49 | Y | - |
| 50 | W | - |
| 51 | R | - |
| 52 | L | - |
| 53 | W | - |
| 54 | G | - |
| 55 | R | - |

| | |
|----------------|-----------------|
| Connector No. | M6 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS18-TM4 |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | Y | - |

| | | |
|----|--------|--------------|
| 3 | L | - |
| 4 | L | - |
| 7 | B | - |
| 8 | P | - |
| 9 | B | - |
| 11 | GR | - |
| 12 | R | - |
| 13 | L | - |
| 14 | G | - |
| 15 | P | - |
| 16 | W | - |
| 17 | BR | - |
| 20 | GR | - |
| 21 | R | - |
| 31 | BR | - |
| 32 | V | - |
| 33 | P | - |
| 34 | L | - |
| 35 | BR | - |
| 36 | SB | - |
| 37 | Y | - |
| 38 | LG | - |
| 39 | SB | - |
| 40 | W | - |
| 41 | LG | - |
| 42 | R | - |
| 43 | G | - |
| 44 | G | - [With A/T] |
| 44 | R | - [With M/T] |
| 45 | O | - |
| 46 | G | - |
| 47 | BR | - |
| 58 | SHIELD | - |
| 59 | L | - |
| 70 | R | - |
| 80 | LG | - |
| 81 | GR | - |
| 82 | V | - |
| 83 | V | - |
| 84 | L | - |
| 85 | BR | - |
| 86 | Y | - |
| 87 | G | - |
| 89 | P | - |
| 91 | W | - |
| 92 | P | - |
| 93 | P | - |
| 94 | Y | - |
| 96 | P | - |
| 97 | GR | - |
| 98 | O | - |
| 99 | W | - |

| | | |
|-----|---|---|
| 100 | R | - |
|-----|---|---|

| | |
|----------------|---------------------|
| Connector No. | M24 |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |



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DEFOGGER (WITHOUT NAVI)

| | |
|----------------|---------------------------|
| Connector No. | M118 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | MOBFC-LC |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---------------------------------|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

| | |
|----------------|---------------------------|
| Connector No. | M119 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | NS16FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|------------------------------------|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW ILL POWER |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

| | |
|----------------|---------------------------|
| Connector No. | M122 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH4CFB-NH |



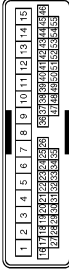
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--------------------------------------|
| 72 | L | ROOM ANT 2- |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT- |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT- |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1- |
| 79 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP |
| 81 | W | NATS ANT |
| 82 | R | IGN RELAY (F/B) CONT |
| 83 | GR | KYLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 5 |
| 88 | V | COMBI SW INPUT 3 |
| 89 | BR | PUSH SW |
| 90 | P | CAN-L |
| 91 | L | CAN-H |
| 92 | LG | KEY SLOT ILL |
| 93 | V | ON IND |
| 95 | O | ACC RELAY CONT |
| 96 | Y | A/T SHIFT SELECTOR POWER SUPPLY |
| 97 | L | S/L CONDITION 1 |
| 98 | P | S/L CONDITION 2 |
| 99 | R | CLUTCH PEDAL POS SW (With M/T) |
| 99 | R | SHIFT P (With A/T) |
| 100 | GR | PASSENGER DOOR REQUEST SW |
| 101 | Y | DRIVER DOOR REQUEST SW |
| 102 | O | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KYLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | Y | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

| | |
|----------------|---------------------------|
| Connector No. | M123 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH4CFG-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN F/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFOGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM (Roadster models) |
| 133 | G | POWER WINDOW SW COMM (Coupe models) |
| 134 | GR | PUSH BUTTON IGNITION SW ILL POWER |
| 137 | P | LOCK IND |
| 138 | V | RECEIVER / SENSOR GND |
| 139 | L | RECEIVER / SENSOR POWER SUPPLY |
| 140 | G | TIRE PRESS./KYL S ENT (REAR) RECEV COMM |
| 140 | G | P/N POSITION SW (With M/T) |
| 141 | Y | SHIFT N/P (With A/T) |
| 142 | O | SECURITY INDICATOR |
| 143 | P | COMBI SW OUTPUT 5 |
| 144 | G | COMBI SW OUTPUT 1 |
| 145 | L | COMBI SW OUTPUT 2 |
| 146 | SB | COMBI SW OUTPUT 3 |
| 150 | GR | COMBI SW OUTPUT 4 |
| 151 | G | DRIVER DOOR SW |
| | | REAR WINDOW DEFOGGER RELAY CONT |

| | |
|----------------|--------------|
| Connector No. | M124 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40MM-CS15 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10 | G | - |
| 11 | V | - |
| 12 | LG | - |
| 13 | V | - |
| 14 | B | - |
| 15 | W | - |
| 19 | Y | - |
| 23 | Y/B | - |
| 44 | O | - |
| 50 | Y | - |
| 51 | Y | - |
| 52 | GR | - |
| 53 | W | - |
| 54 | G | - |
| 55 | R | - |

JCLWA4525GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:0000000006930016

VALUES ON THE DIAGNOSIS TOOL

CONSULT-III MONITOR ITEM

| Monitor Item | Condition | Value/Status |
|----------------|---|----------------------------------|
| FR WIPER HI | Other than front wiper switch HI | Off |
| | Front wiper switch HI | On |
| FR WIPER LOW | Other than front wiper switch LO | Off |
| | Front wiper switch LO | On |
| FR WASHER SW | Front washer switch OFF | Off |
| | Front washer switch ON | On |
| FR WIPER INT | Other than front wiper switch INT | Off |
| | Front wiper switch INT | On |
| FR WIPER STOP | Front wiper is not in STOP position | Off |
| | Front wiper is in STOP position | On |
| INT VOLUME | Wiper intermittent dial is in a dial position 1 - 7 | Wiper intermittent dial position |
| TURN SIGNAL R | Other than turn signal switch RH | Off |
| | Turn signal switch RH | On |
| TURN SIGNAL L | Other than turn signal switch LH | Off |
| | Turn signal switch LH | On |
| TAIL LAMP SW | Other than lighting switch 1ST and 2ND | Off |
| | Lighting switch 1ST or 2ND | On |
| HI BEAM SW | Other than lighting switch HI | Off |
| | Lighting switch HI | On |
| HEAD LAMP SW 1 | Other than lighting switch 2ND | Off |
| | Lighting switch 2ND | On |
| HEAD LAMP SW 2 | Other than lighting switch 2ND | Off |
| | Lighting switch 2ND | On |
| PASSING SW | Other than lighting switch PASS | Off |
| | Lighting switch PASS | On |
| AUTO LIGHT SW | Other than lighting switch AUTO | Off |
| | Lighting switch AUTO | On |
| FR FOG SW | NOTE: The item is indicated, but not monitored. | Off |
| RR FOG SW | Rear fog lamp switch OFF | Off |
| | Rear fog lamp switch ON | On |
| DOOR SW-DR | Driver door closed | Off |
| | Driver door opened | On |
| DOOR SW-AS | Passenger door closed | Off |
| | Passenger door opened | On |
| DOOR SW-RR | NOTE: The item is indicated, but not monitored. | Off |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Monitor Item | Condition | Value/Status |
|---|---|--------------|
| DOOR SW-RL | NOTE: The item is indicated, but not monitored. | Off |
| DOOR SW-BK | <ul style="list-style-type: none"> Back door closed (Coupe models) Trunk lid closed (Roadster models) | Off |
| | <ul style="list-style-type: none"> Back door opened (Coupe models) Trunk lid opened (Roadster models) | On |
| CDL LOCK SW | Other than door lock and unlock switch LOCK | Off |
| | Door lock and unlock switch LOCK | On |
| CDL UNLOCK SW | Other than door lock and unlock switch UNLOCK | Off |
| | Door lock and unlock switch UNLOCK | On |
| KEY CYL LK-SW | Other than driver door key cylinder LOCK position | Off |
| | Driver door key cylinder LOCK position | On |
| KEY CYL UN-SW | Other than driver door key cylinder UNLOCK position | Off |
| | Driver door key cylinder UNLOCK position | On |
| KEY CYL SW-TR | NOTE: The item is indicated, but not monitored. | Off |
| HAZARD SW | Hazard switch is OFF | Off |
| | Hazard switch is ON | On |
| REAR DEF SW NOTE: For models with NAVI this item is not monitored. | Rear window defogger switch OFF | Off |
| | Rear window defogger switch ON | On |
| H/L WASH SW | NOTE: The item is indicated, but not monitored. | Off |
| TR CANCEL SW | Trunk lid opener cancel switch OFF | Off |
| | Trunk lid opener cancel switch ON | On |
| TR/BD OPEN SW | <ul style="list-style-type: none"> Back door opener switch OFF (Coupe models) Trunk lid opener switch OFF (Roadster models) | Off |
| | <ul style="list-style-type: none"> While the back door opener switch is turned ON (Coupe models) While the trunk lid opener switch is turned ON (Roadster models) | On |
| TRNK/HAT MNTR | NOTE: The item is indicated, but not monitored. | Off |
| RKE-LOCK | LOCK button of the Intelligent Key is not pressed | Off |
| | LOCK button of the Intelligent Key is pressed | On |
| RKE-UNLOCK | UNLOCK button of the Intelligent Key is not pressed | Off |
| | UNLOCK button of the Intelligent Key is pressed | On |
| RKE-TR/BD NOTE: For Coupe models this item is not monitored. | TRUNK OPEN button of the Intelligent Key is not pressed | Off |
| | TRUNK OPEN of the Intelligent Key is pressed | On |
| RKE-PANIC | PANIC button of the Intelligent Key is not pressed | Off |
| | PANIC button of the Intelligent Key is pressed | On |
| RKE-P/W OPEN | UNLOCK button of the Intelligent Key is not pressed | Off |
| | UNLOCK button of the Intelligent Key is pressed and held | On |
| RKE-MODE CHG | LOCK/UNLOCK button of the Intelligent Key is not pressed and held simultaneously | Off |
| | LOCK/UNLOCK button of the Intelligent Key is pressed and held simultaneously | On |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Monitor Item | Condition | Value/Status |
|---|---|--------------|
| OPTICAL SENSOR | Bright outside of the vehicle | Close to 5 V |
| | Dark outside of the vehicle | Close to 0 V |
| REQ SW -DR | Driver door request switch is not pressed | Off |
| | Driver door request switch is pressed | On |
| REQ SW -AS | Passenger door request switch is not pressed | Off |
| | Passenger door request switch is pressed | On |
| REQ SW -RR | NOTE: The item is indicated, but not monitored. | Off |
| REQ SW -RL | NOTE: The item is indicated, but not monitored. | Off |
| REQ SW -BD/TR | <ul style="list-style-type: none"> Back door request switch is not pressed (Coupe models) Trunk lid door request switch is not pressed (Roadster models) | Off |
| | <ul style="list-style-type: none"> Back door request switch is pressed (Coupe models) Trunk lid door request switch is pressed (Roadster models) | On |
| PUSH SW | Push-button ignition switch (push switch) is not pressed | Off |
| | Push-button ignition switch (push switch) is pressed | On |
| IGN RLY2 -F/B | Ignition switch in OFF or ACC position | Off |
| | Ignition switch in ON position | On |
| ACC RLY -F/B | NOTE: The item is indicated, but not monitored. | Off |
| CLUCH SW NOTE: For A/T models this item is not monitored. | The clutch pedal is not depressed | Off |
| | The clutch pedal is depressed | On |
| BRAKE SW 1 | The brake pedal is depressed when No. 7 fuse is blown | Off |
| | The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal | On |
| BRAKE SW 2 | The brake pedal is not depressed | Off |
| | The brake pedal is depressed | On |
| DETE/CANCL SW NOTE: For M/T models with Synchro-Rev Match mode this item is not monitored. | <ul style="list-style-type: none"> Selector lever in P position (A/T models) The clutch pedal is depressed (M/T models without SynchroRev Match mode) | Off |
| | <ul style="list-style-type: none"> Selector lever in any position other than P (A/T models) The clutch pedal is not depressed (M/T models without SynchroRev Match mode) | On |
| SFT PN/N SW NOTE: For roadster M/T models and coupe M/T models without SynchroRev Match mode this item is not monitored. | <ul style="list-style-type: none"> Selector lever in any position other than P and N (A/T models) Control lever in any position other than neutral position (Coupe M/T models with SynchroRev Match mode) | Off |
| | <ul style="list-style-type: none"> Selector lever in P or N position (A/T models) Control lever in neutral position (Coupe M/T models with SynchroRev Match mode) | On |
| S/L -LOCK NOTE: For models without steering lock unit, this item is not monitored. | Steering is unlocked | Off |
| | Steering is locked | On |
| S/L -UNLOCK NOTE: For models without steering lock unit, this item is not monitored. | Steering is locked | Off |
| | Steering is unlocked | On |

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Monitor Item | Condition | Value/Status |
|---|--|-----------------------------------|
| S/L RELAY-F/B NOTE: For models without steering lock unit, this item is not monitored. | Ignition switch in OFF or ACC position | Off |
| | Ignition switch in ON position | On |
| UNLK SEN -DR | Driver door is unlocked | Off |
| | Driver door is locked | On |
| PUSH SW -IPDM | Push-button ignition switch (push-switch) is not pressed | Off |
| | Push-button ignition switch (push-switch) is pressed | On |
| IGN RLY1 -F/B | Ignition switch in OFF or ACC position | Off |
| | Ignition switch in ON position | On |
| DETE SW -IPDM | Selector lever in any position other than P | Off |
| | Selector lever in P position | On |
| SFT PN -IPDM | <ul style="list-style-type: none"> Selector lever in any position other than P and N (A/T models) The clutch pedal is not depressed (M/T models) | Off |
| | <ul style="list-style-type: none"> Selector lever in P or N position (A/T models) The clutch pedal is depressed (M/T models) | On |
| SFT P -MET | Selector lever in any position other than P | Off |
| | Selector lever in P position | On |
| SFT N -MET | Selector lever in any position other than N | Off |
| | Selector lever in N position | On |
| ENGINE STATE | Engine stopped | Stop |
| | While the engine stalls | Stall |
| | At engine cranking | Crank |
| | Engine running | Run |
| S/L LOCK-IPDM NOTE: For models without steering lock unit, this item is not monitored. | Steering is unlocked | Off |
| | Steering is locked | On |
| S/L UNLK-IPDM NOTE: For models without steering lock unit, this item is not monitored. | Steering is locked | Off |
| | Steering is unlocked | On |
| S/L RELAY-REQ NOTE: For models without steering lock unit, this item is not monitored. | Steering lock system is not the LOCK condition and the changing condition from LOCK to UNLOCK | Off |
| | Steering lock system are not the LOCK condition or the changing condition from LOCK to UNLOCK | On |
| VEH SPEED 1 | While driving | Equivalent to speedometer reading |
| VEH SPEED 2 | While driving | Equivalent to speedometer reading |
| DOOR STAT-DR | Driver door is locked | LOCK |
| | Wait with selective UNLOCK operation (60 seconds) | READY |
| | Driver door is unlocked | UNLOCK |
| DOOR STAT-AS | Passenger door is locked | LOCK |
| | Wait with selective UNLOCK operation (60 seconds) | READY |
| | Passenger door is unlocked | UNLOCK |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Monitor Item | Condition | Value/Status | |
|----------------|---|--|-----|
| ID OK FLAG | Steering is locked | Reset | A |
| | Steering is unlocked | Set | |
| PRMT ENG STRT | The engine start is prohibited | Reset | B |
| | The engine start is permitted | Set | |
| PRMT RKE STRT | NOTE: The item is indicated, but not monitored. | Reset | C |
| KEY SW -SLOT | The Intelligent Key is not inserted into key slot | Off | D |
| | The Intelligent Key is inserted into key slot | On | |
| RKE OPE COUN1 | During the operation of the Intelligent Key | Operation frequency of the Intelligent Key | E |
| RKE OPE COUN2 | During the operation of the Intelligent Key | Operation frequency of the Intelligent Key | F |
| CONFIRM ID ALL | The key ID that the key slot receives is not recognized by any key ID registered to BCM. | Yet | G |
| | The key ID that the key slot receives is recognized by any key ID registered to BCM. | Done | |
| CONFIRM ID4 | The key ID that the key slot receives is not recognized by the fourth key ID registered to BCM. | Yet | H |
| | The key ID that the key slot receives is recognized by the fourth key ID registered to BCM. | Done | |
| CONFIRM ID3 | The key ID that the key slot receives is not recognized by the third key ID registered to BCM. | Yet | I |
| | The key ID that the key slot receives is recognized by the third key ID registered to BCM. | Done | |
| CONFIRM ID2 | The key ID that the key slot receives is not recognized by the second key ID registered to BCM. | Yet | J |
| | The key ID that the key slot receives is recognized by the second key ID registered to BCM. | Done | |
| CONFIRM ID1 | The key ID that the key slot receives is not recognized by the first key ID registered to BCM. | Yet | K |
| | The key ID that the key slot receives is recognized by the first key ID registered to BCM. | Done | |
| TP 4 | The ID of fourth Intelligent Key is not registered to BCM | Yet | DEF |
| | The ID of fourth Intelligent Key is registered to BCM | Done | |
| TP 3 | The ID of third Intelligent Key is not registered to BCM | Yet | M |
| | The ID of third Intelligent Key is registered to BCM | Done | |
| TP 2 | The ID of second Intelligent Key is not registered to BCM | Yet | N |
| | The ID of second Intelligent Key is registered to BCM | Done | |
| TP 1 | The ID of first Intelligent Key is not registered to BCM | Yet | O |
| | The ID of first Intelligent Key is registered to BCM | Done | |
| AIR PRESS FL | Ignition switch ON (Only when the signal from the transmitter is received) | Air pressure of front LH tire | P |
| AIR PRESS FR | Ignition switch ON (Only when the signal from the transmitter is received) | Air pressure of front RH tire | |
| AIR PRESS RR | Ignition switch ON (Only when the signal from the transmitter is received) | Air pressure of rear RH tire | |
| AIR PRESS RL | Ignition switch ON (Only when the signal from the transmitter is received) | Air pressure of rear LH tire | |
| ID REGST FL1 | ID of front LH tire transmitter is registered | Done | |
| | ID of front LH tire transmitter is not registered | Yet | |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

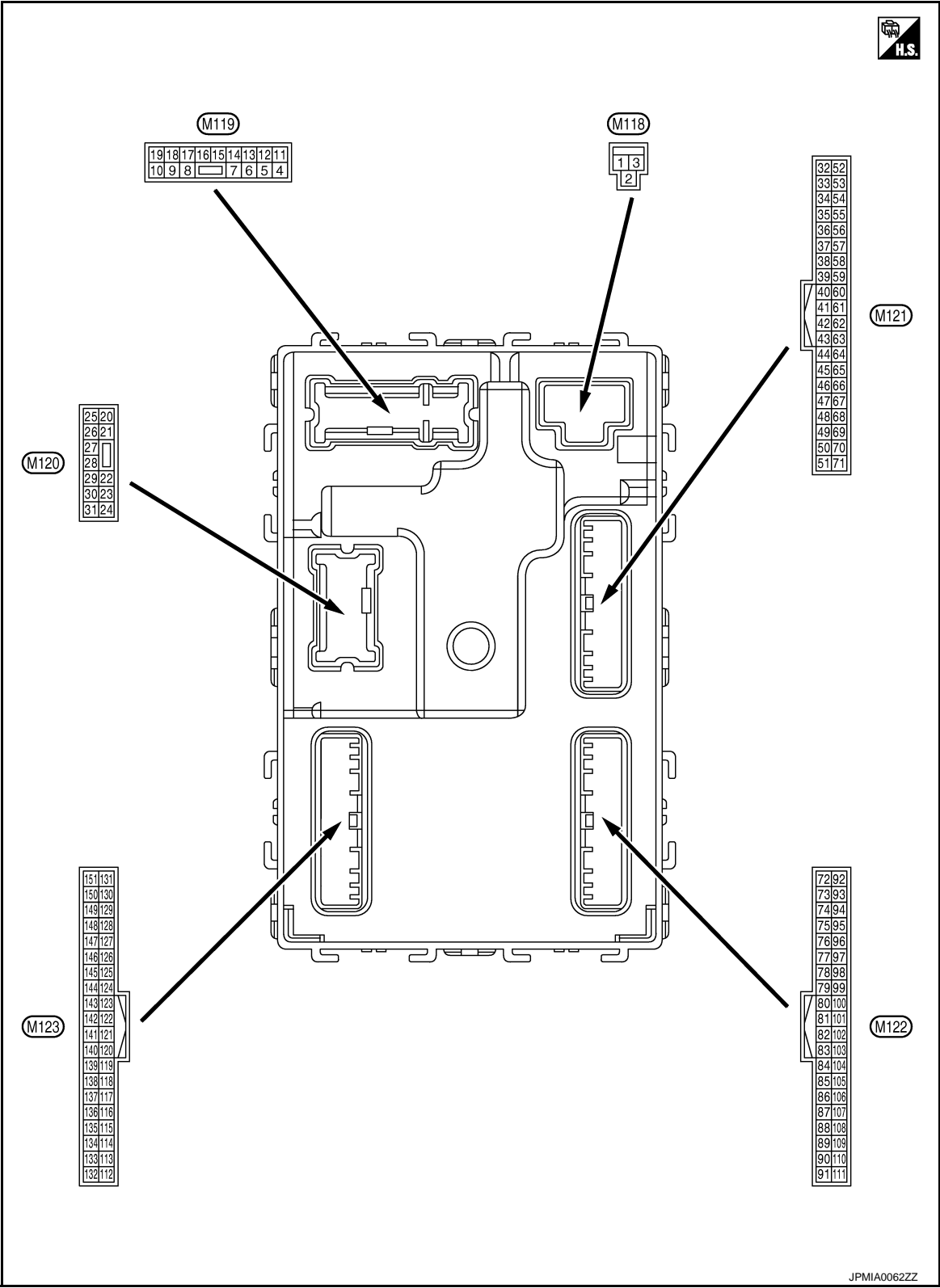
| Monitor Item | Condition | Value/Status |
|--------------|---|--------------|
| ID REGST FR1 | ID of front RH tire transmitter is registered | Done |
| | ID of front RH tire transmitter is not registered | Yet |
| ID REGST RR1 | ID of rear RH tire transmitter is registered | Done |
| | ID of rear RH tire transmitter is not registered | Yet |
| ID REGST RL1 | ID of rear LH tire transmitter is registered | Done |
| | ID of rear LH tire transmitter is not registered | Yet |
| WARNING LAMP | Tire pressure indicator OFF | Off |
| | Tire pressure indicator ON | On |
| BUZZER | Tire pressure warning alarm is not sounding | Off |
| | Tire pressure warning alarm is sounding | On |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

TERMINAL LAYOUT

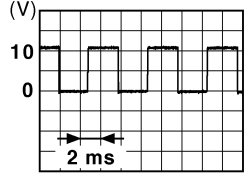


PHYSICAL VALUES

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

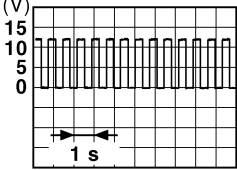
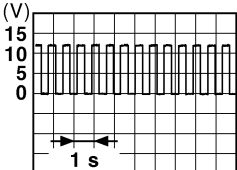
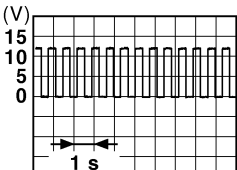
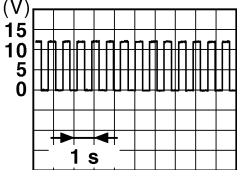
[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|---|---|--|
| + | – | Signal name | Input/ Output | | | |
| 1 (W) | Ground | Battery power supply | Input | Ignition switch OFF | | Battery voltage |
| 2 (W) | Ground | P/W power supply (BAT) | Output | Ignition switch OFF | | 12 V |
| 3 (Y) | Ground | P/W power supply (RAP) | Output | Ignition switch ON | | 12 V |
| 4 (R) | Ground | Interior room lamp power supply | Output | Interior room lamp battery saver is activated. (Cuts the interior room lamp power supply) | | 0 V |
| | | | | Interior room lamp battery saver is not activated. (Outputs the interior room lamp power supply) | | 12 V |
| 5 (G) | Ground | Passenger door UN- LOCK | Output | Passenger door | UNLOCK (Actuator is activated) | 12 V |
| | | | | | Other than UNLOCK (Actuator is not activated) | 0 V |
| 8 (V) | Ground | All doors, fuel lid LOCK | Output | All doors, fuel lid | LOCK (Actuator is activated) | 12 V |
| | | | | | Other than LOCK (Actuator is not activated) | 0 V |
| 9 (G) | Ground | Driver door, fuel lid UNLOCK | Output | Driver door, fuel lid | UNLOCK (Actuator is activated) | 12 V |
| | | | | | Other than UNLOCK (Actuator is not activated) | 0 V |
| 11 (BR) | Ground | Battery power supply | Input | Ignition switch OFF | | Battery voltage |
| 13 (B) | Ground | Ground | — | Ignition switch ON | | 0 V |
| 14 (R) | Ground | Push-button ignition switch illumination ground | Output | Tail lamp | OFF | 0 V |
| | | | | | ON | <p>NOTE: When the illumination brightening/dimming level is in the neutral position.</p>  <p>JSNIA0010GB</p> |
| 15 (Y) | Ground | ACC indicator lamp | Output | Ignition switch | OFF (LOCK indicator is not illuminated) | Battery voltage |
| | | | | | ACC | 0 V |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|------------------------------------|------------------|-------------------------------------|---|---|
| + | - | Signal name | Input/ Output | | | |
| 17 (W) | Ground | Turn signal RH (Front and side) | Output | Ignition switch ON | Turn signal switch OFF | 0 V |
| | | | | | Turn signal switch RH |  |
| 18 (O) | Ground | Turn signal LH (Front and side) | Output | Ignition switch ON | Turn signal switch OFF | 0 V |
| | | | | | Turn signal switch LH |  |
| 19 (P) | Ground | Room lamp timer control | Output | Interior room lamp | OFF | 12 V |
| | | | | | ON | 0 V |
| 20 (V) | Ground | Turn signal RH (Rear) | Output | Ignition switch ON | Turn signal switch OFF | 0 V |
| | | | | | Turn signal switch RH |  |
| 23 (L)*1 (Y)*2 | Ground | Back door/Trunk lid open | Output | Back door/ Trunk lid | OPEN (Back door/Trunk lid open- er actuator is activated) | 12 V |
| | | | | | Other than OPEN (Back door/Trunk lid open- er actuator is not activat- ed) | 0 V |
| 24 (O) | Ground | Rear fog lamp | Output | Rear fog lamp | OFF | 0 V |
| | | | | | ON | 12 V |
| 25 (LG) | Ground | Turn signal LH (Rear) | Output | Ignition switch ON | Turn signal switch OFF | 0 V |
| | | | | | Turn signal switch LH |  |
| 30 (R) | Ground | Luggage room/Trunk room lamp | Output | Luggage room/ Trunk room lamp | ON | 0 V |
| | | | | | OFF | 12 V |

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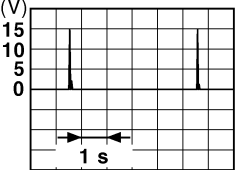
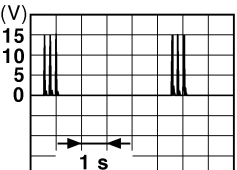
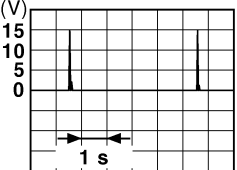
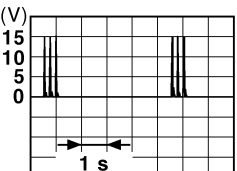
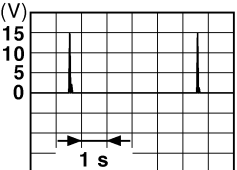
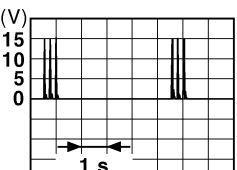
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

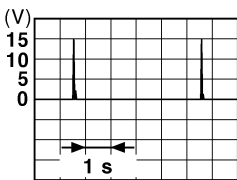
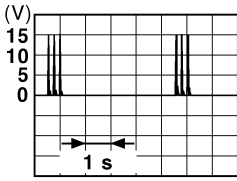
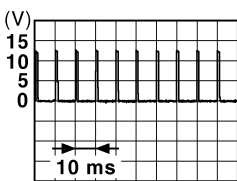
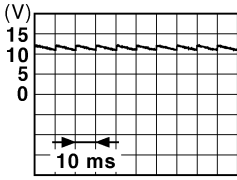
[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--|------------------|---|--|--|
| + | - | Signal name | Input/ Output | | | |
| 34 (G) | Ground | Luggage room/Trunk room antenna (-) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compart- ment |  JMKIA0062GB |
| | | | | | When Intelligent Key is not in the passenger compart- ment |  JMKIA0063GB |
| 35 (R) | Ground | Luggage room/Trunk room antenna (+) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compart- ment |  JMKIA0062GB |
| | | | | | When Intelligent Key is not in the passenger compart- ment |  JMKIA0063GB |
| 38 (B) | Ground | Rear bumper anten- na (-) | Output | When the back door/trunk lid door request switch is oper- ated with igni- tion switch OFF | When Intelligent Key is in the antenna detection area |  JMKIA0062GB |
| | | | | | When Intelligent Key is not in the antenna detection area |  JMKIA0063GB |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
|------------------------------|--------|---|------------------|---|--|
| + | - | Signal name | Input/ Output | | |
| 39 (W) | Ground | Rear bumper antenna (+) | Output | When Intelligent Key is in the antenna detection area |  JMKIA0062GB |
| | | | | When Intelligent Key is not in the antenna detection area |  JMKIA0063GB |
| 47 (V) | Ground | Ignition relay (IPDM E/R) control | Output | Ignition switch OFF or ACC | 12 V |
| | | | | ON | 0 V |
| 52 (SB) | Ground | Starter relay control | Output | Ignition switch ON (A/T models) When selector lever is in P or N position | 12 V |
| | | | | Ignition switch ON (A/T models) When selector lever is not in P or N position | 0 V |
| | | | | Ignition switch ON (M/T models) When the clutch pedal is depressed | Battery voltage |
| | | | | Ignition switch ON (M/T models) When the clutch pedal is not depressed | 0 V |
| 61 (W) | Ground | Back door/Trunk Lid door request switch | Input | ON (Pressed) | 0 V |
| | | | | OFF (Not pressed) |  JPMIA0016GB |
| 64 (G) | Ground | Intelligent Key warning buzzer | Output | Intelligent Key Sounding | 0 V |
| | | | | Intelligent Key Not sounding | 12 V |
| 66 (R) | Ground | Back door/Trunk room lamp switch | Input | OFF (Door close) |  JPMIA0011GB |
| | | | | ON (Door open) | 0 V |

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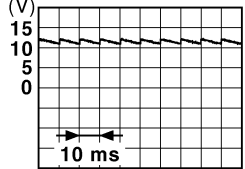
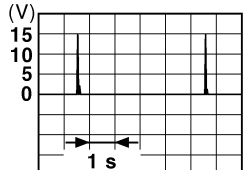
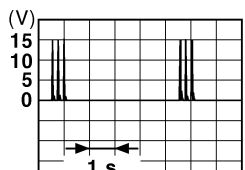
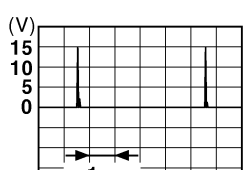
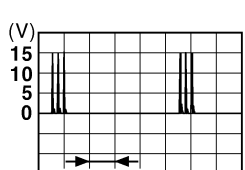
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

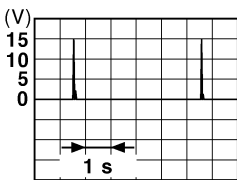
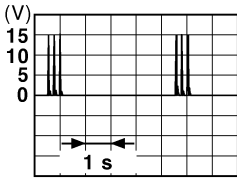
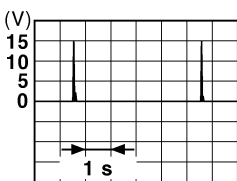
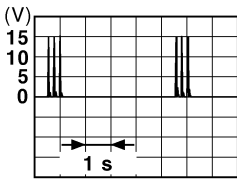
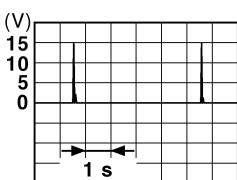
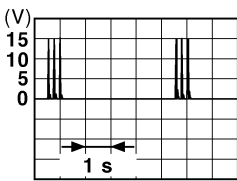
[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--|------------------|--|--|--|
| + | - | Signal name | Input/ Output | | | |
| 67 (GR) | Ground | Back door/Trunk lid opener switch | Input | Back door/ Trunk lid open- er switch | Pressed | 0 V |
| | | | | | Not pressed |  <p>JPMIA0011GB</p> |
| 72 (L) | Ground | Room antenna 2 (-) (Center console) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compart- ment |  <p>JMKIA0062GB</p> |
| | | | | | When Intelligent Key is not in the passenger compart- ment |  <p>JMKIA0063GB</p> |
| 73 (P) | Ground | Room antenna 2 (+) (Center console) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compart- ment |  <p>JMKIA0062GB</p> |
| | | | | | When Intelligent Key is not in the passenger compart- ment |  <p>JMKIA0063GB</p> |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
|------------------------------|--------|----------------------------|------------------|---|--|
| + | - | Signal name | Input/ Output | | |
| 74 (SB) | Ground | Passenger door antenna (-) | Output | When Intelligent Key is in the antenna detection area |  JMKIA0062GB |
| | | | | When the passenger door request switch is operated with ignition switch OFF | |
| | | | | When Intelligent Key is not in the antenna detection area |  JMKIA0063GB |
| | | | | | |
| 75 (BR) | Ground | Passenger door antenna (+) | Output | When Intelligent Key is in the antenna detection area |  JMKIA0062GB |
| | | | | When the passenger door request switch is operated with ignition switch OFF | |
| | | | | When Intelligent Key is not in the antenna detection area |  JMKIA0063GB |
| | | | | | |
| 76 (V) | Ground | Driver door antenna (-) | Output | When Intelligent Key is in the antenna detection area |  JMKIA0062GB |
| | | | | When the driver door request switch is operated with ignition switch OFF | |
| | | | | When Intelligent Key is not in the antenna detection area |  JMKIA0063GB |
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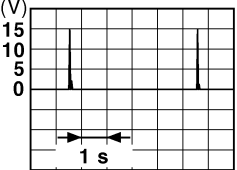
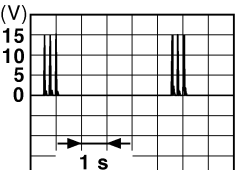
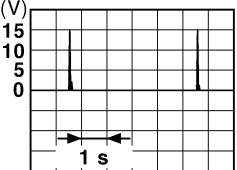
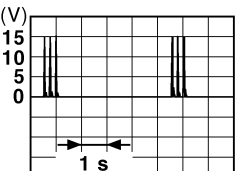
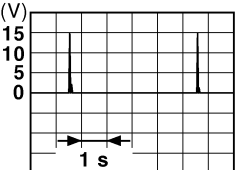
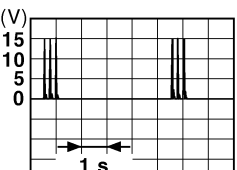
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

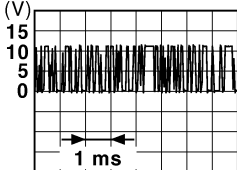
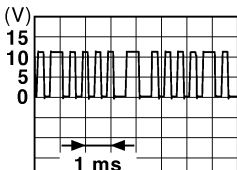

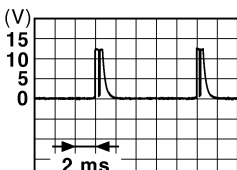
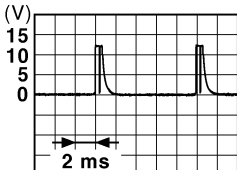
[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--|------------------|--|---|---|
| + | - | Signal name | Input/ Output | | | |
| 77 (LG) | Ground | Driver door antenna (+) | Output | When the driver door request switch is operated with ignition switch OFF | When Intelligent Key is in the antenna detection area |  |
| | | | | | When Intelligent Key is not in the antenna detection area |  |
| 78*2 (L) | Ground | Room antenna 1 (-) (Instrument panel) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compartment |  |
| | | | | | When Intelligent Key is not in the passenger compartment |  |
| 79*2 (R) | Ground | Room antenna 1 (+) (Instrument panel) | Output | Ignition switch OFF | When Intelligent Key is in the passenger compartment |  |
| | | | | | When Intelligent Key is not in the passenger compartment |  |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|---|--|---|
| + | - | Signal name | Input/ Output | | | |
| 80 (GR) | Ground | NATS antenna amp. | Input/ Output | During waiting | Ignition switch is pressed while inserting the Intelligent Key into the key slot. | Just after pressing ignition switch. Pointer of tester should move. |
| 81 (W) | Ground | NATS antenna amp. | Input/ Output | During waiting | Ignition switch is pressed while inserting the Intelligent Key into the key slot. | Just after pressing ignition switch. Pointer of tester should move. |
| 82 (R) | Ground | Ignition relay [Fuse block (J/B)] control | Output | Ignition switch | OFF or ACC | 0 V |
| | | | | | ON | 12 V |
| 83 (GR) | Ground | Remote keyless entry receiver (front) communication | Input/ Output | During waiting | |  JMKIA0064GB |
| | | | | When operating either button on the Intelligent Key | |  JMKIA0065GB |
| 87 (BR) | Ground | Combination switch INPUT 5 | Input | Combination switch | All switches OFF (Wiper intermittent dial 4) |  JPMIA0041GB 1.4 V |
| | | | | | Rear fog lamp switch ON (Wiper intermittent dial 4) |  JPMIA0038GB 1.3 V |
| | | | | | Any of the conditions below with all switches OFF <ul style="list-style-type: none"> Wiper intermittent dial 1 Wiper intermittent dial 2 Wiper intermittent dial 6 Wiper intermittent dial 7 |  JPMIA0040GB 1.3 V |

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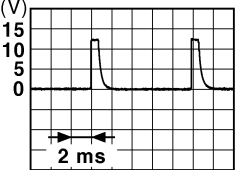
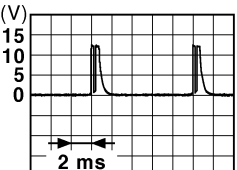
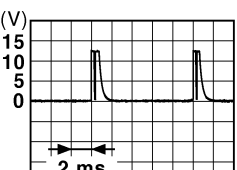

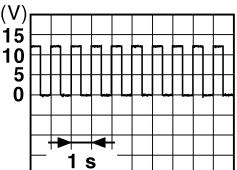
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

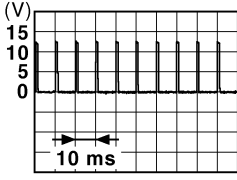
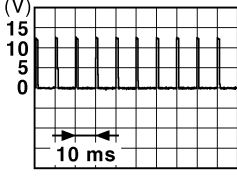
[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
|------------------------------|--------|--|------------------|---|--|
| + | - | Signal name | Input/ Output | | |
| 88 (V) | Ground | Combination switch INPUT 3 | Input | Combination switch | All switches OFF (Wiper intermittent dial 4)  1.4 V |
| | | | | | Lighting switch HI (Wiper intermittent dial 4)  1.3 V |
| | | | | | Lighting switch 2ND (Wiper intermittent dial 4)  1.3 V |
| | | | | | Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3  1.3 V |
| 89 (BR) | Ground | Push-button ignition switch (Push switch) | Input | Push-button ignition switch (push switch) | Pressed 0 V Not pressed Battery voltage |
| | | | | | |
| 90 (P) | Ground | CAN-L | Input/ Output | — | — |
| 91 (L) | Ground | CAN-H | Input/ Output | — | — |
| 92 (LG) | Ground | Key slot illumination | Output | Key slot illumination | OFF 0 V |
| | | | | | Blinking  6.5 V |
| | | | | | ON 12 V |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|-------------------------------|---|--|
| + | - | Signal name | Input/ Output | | | |
| 93 (V) | Ground | ON indicator lamp | Output | Ignition switch | OFF (LOCK indicator is not illuminated) | Battery voltage |
| | | | | | ON | 0 V |
| 95 (O) | Ground | ACC relay control | Output | Ignition switch | OFF | 0 V |
| | | | | | ACC or ON | 12 V |
| 96*3 (Y) | Ground | A/T shift selector (Detention switch) power supply | Output | — | | 12 V |
| 97*4 (L) | Ground | Steering lock condition No. 1 | Input | Steering lock | LOCK status | 0 V |
| | | | | | UNLOCK status | 12 V |
| 98*4 (P) | Ground | Steering lock condition No. 2 | Input | Steering lock | LOCK status | 12 V |
| | | | | | UNLOCK status | 0 V |
| 99*5 (R) | Ground | Selector lever P position switch (A/T models) | Input | Selector lever | P position | 0 V |
| | | | | | Any position other than P | 12 V |
| | | Clutch pedal position switch (M/T models without SynchroRev Match mode) | Input | Clutch pedal position switch | OFF (Clutch pedal is depressed) | 0 V |
| | | | | | ON (Clutch pedal is not depressed) | Battery voltage |
| 100 (GR) | Ground | Passenger door request switch | Input | Passenger door request switch | ON (Pressed) | 0 V |
| | | | | | OFF (Not pressed) |  1.0 V |
| 101 (Y) | Ground | Driver door request switch | Input | Driver door request switch | ON (Pressed) | 0 V |
| | | | | | OFF (Not pressed) |  1.0 V |
| 102 (O) | Ground | Blower fan motor relay control | Output | Ignition switch | OFF or ACC | 0 V |
| | | | | | ON | 12 V |
| 103 (LG) | Ground | Remote keyless entry receiver (front) power supply | Output | Ignition switch OFF | | 12 V |
| 106*4 (W) | Ground | Steering lock unit power supply | Output | Ignition switch | OFF or ACC | 12 V |
| | | | | | ON | 0 V |

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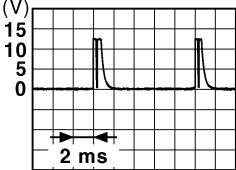
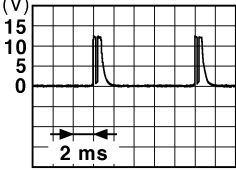
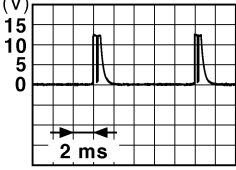
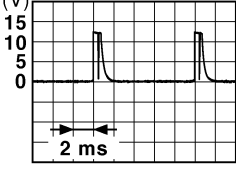
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

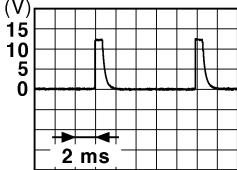

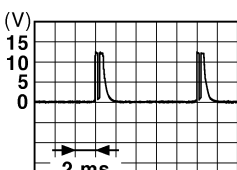
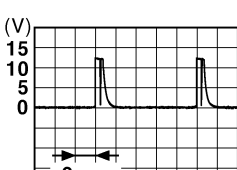
[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
|------------------------------|--------|-------------------------------|------------------|---|--|
| + | - | Signal name | Input/ Output | | |
| 107 (LG) | Ground | Combination switch INPUT 1 | Input | Combination switch (Wiper intermittent dial 4) | |
| | | | | All switches OFF |  <p>1.4 V</p> |
| | | | | Turn signal switch LH |  <p>1.3 V</p> |
| | | | | Turn signal switch RH |  <p>1.3 V</p> |
| | | | | Front wiper switch LO |  <p>1.3 V</p> |
| | | | | Front washer switch ON |  <p>1.3 V</p> |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
|------------------------------|--------|-------------------------------|------------------|---|---|
| + | - | Signal name | Input/ Output | | |
| 108 (R) | Ground | Combination switch INPUT 4 | Input | Combination switch | <div><div>All switches OFF (Wiper intermittent dial 4)</div><div></div><div>1.4 V</div></div> |
| | | | | Combination switch | <div><div>Lighting switch AUTO (Wiper intermittent dial 4)</div><div></div><div>1.3 V</div></div> |
| | | | | Combination switch | <div><div>Lighting switch 1ST (Wiper intermittent dial 4)</div><div></div><div>1.3 V</div></div> |
| | | | | Any of the conditions below with all switches OFF | <div><div>Any of the conditions below with all switches OFF</div><div><ul style="list-style-type: none">• Wiper intermittent dial 1• Wiper intermittent dial 5• Wiper intermittent dial 6</div><div></div><div>1.3 V</div></div> |

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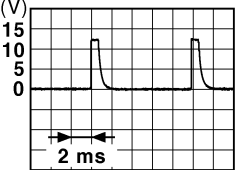

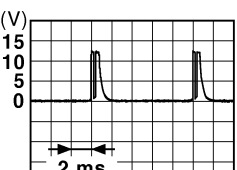

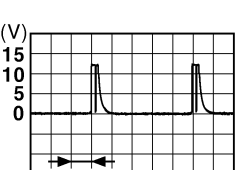
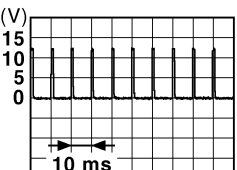
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

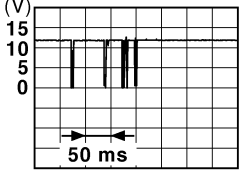
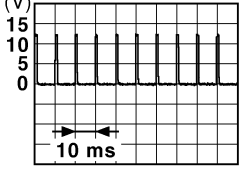
[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | Value (Approx.) |
|------------------------------|--------|-------------------------------|------------------|---|--|
| + | - | Signal name | Input/ Output | | |
| 109 (Y) | Ground | Combination switch INPUT 2 | Input | Combination switch (Wiper intermit- tent dial 4) | All switches OFF  <small>JPMIA0041GB</small> 1.4 V |
| | | | | | Lighting switch PASS  <small>JPMIA0037GB</small> 1.3 V |
| | | | | | Lighting switch 2ND  <small>JPMIA0036GB</small> 1.3 V |
| | | | | | Front wiper switch INT  <small>JPMIA0038GB</small> 1.3 V |
| | | | | | Front wiper switch HI  <small>JPMIA0040GB</small> 1.3 V |
| 110 (P) | Ground | Hazard switch | Input | Hazard switch | ON 0 V |
| | | | | OFF |  <small>JPMIA0012GB</small> 1.1 V |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--|------------------|---|---|--|
| + | - | Signal name | Input/ Output | | | |
| 111*4 (Y) | Ground | Steering lock unit communication | Input/ Output | Steering lock | LOCK status | 12 V |
| | | | | | LOCK or UNLOCK |  JMKIA0066GB |
| | | | | | For 15 seconds after UN- LOCK | 12 V |
| | | | | | 15 seconds or later after UNLOCK | 0 V |
| 113 (O) | Ground | Optical sensor | Input | Ignition switch ON | When bright outside of the vehicle | Close to 5 V |
| | | | | | When dark outside of the vehicle | Close to 0 V |
| 114*6 (R) | Ground | Clutch interlock switch | Input | Clutch interlock switch | OFF (Clutch pedal is not depressed) | 0 V |
| | | | | | ON (Clutch pedal is de- pressed) | Battery voltage |
| 116 (SB) | Ground | Stop lamp switch 1 | Input | — | | Battery voltage |
| 118 (P) | Ground | Stop lamp switch 2 | Input | Stop lamp switch | OFF (Brake pedal is not depressed) | 0 V |
| | | | | | ON (Brake pedal is de- pressed) | Battery voltage |
| 119 (SB) | Ground | Driver side door lock assembly (Unlock sensor) | Input | Driver door | LOCK status (Unlock sensor switch OFF) |  JPMIA0012GB |
| | | | | | | 1.1 V |
| | | | | | UNLOCK status (Unlock switch sensor ON) | 0 V |
| 121 (R) | Ground | Key slot switch | Input | When the Intelligent Key is inserted into key slot | | 12 V |
| | | | | When the Intelligent Key is not inserted into key slot | | 0 V |
| 123 (W) | Ground | IGN feedback | Input | Ignition switch | OFF or ACC | 0 V |
| | | | | | ON | Battery voltage |

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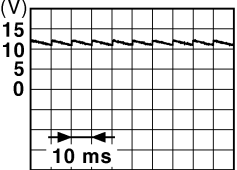
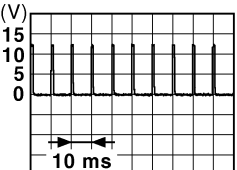

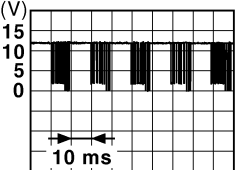
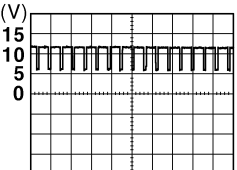
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

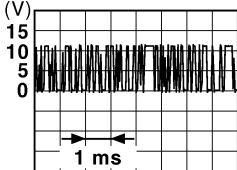
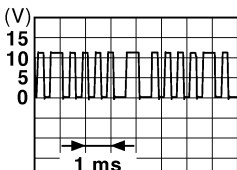
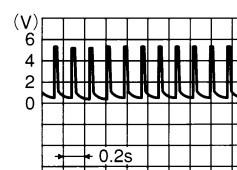
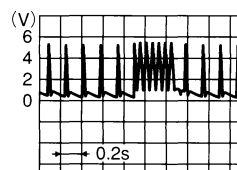
[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|--|------------------------------------|--|
| + | - | Signal name | Input/ Output | | | |
| 124 (LG) | Ground | Passenger door switch | Input | Passenger door switch | OFF (Door close) |  <p>JPMIA0011GB</p> <p>11.8 V</p> |
| | | | | | ON (Door open) | 0 V |
| 129*2 (O) | Ground | Trunk lid opener can- cel switch | Input | Trunk lid open- er cancel switch | CANCEL |  <p>JPMIA0012GB</p> <p>1.1 V</p> |
| | | | | | ON | 0 V |
| 130*7 (L) | Ground | Rear window defog- ger switch | Input | Ignition switch ON | Rear window defogger switch OFF |  <p>JPMIA0012GB</p> <p>1.1 V</p> |
| | | | | | Rear window defogger switch ON | 0 V |
| 132 (Y)*1 (V)*2 | Ground | Power window switch and soft top control unit communication | Input/ Output | Ignition switch ON | |  <p>JPMIA0013GB</p> <p>10.2 V</p> |
| | | | | Ignition switch OFF or ACC | | 12 V |
| 133 (G) | Ground | Push-button ignition switch illumination | Output | Push-button ig- nition switch il- lumination | ON (Tail lamps OFF) | 9.5 V |
| | | | | | ON (Tail lamps ON) | <p>NOTE: The pulse width of this wave is varied by the illumination bright- ening/dimming level.</p>  <p>JPMIA0159GB</p> |
| | | | | | OFF | 0 V |

BCM (BODY CONTROL MODULE)

[ROADSTER]

< ECU DIAGNOSIS INFORMATION >

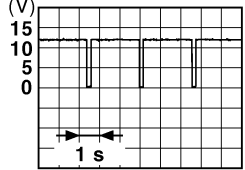
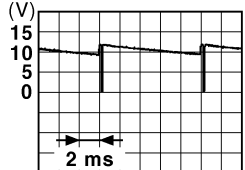
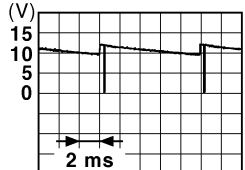
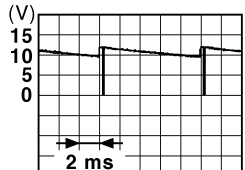
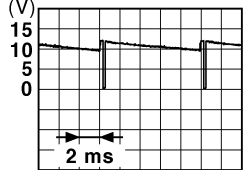
| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|---|---|--|
| + | - | Signal name | Input/ Output | | | |
| 134 (GR) | Ground | LOCK indicator lamp | Output | LOCK indicator lamp | OFF | Battery voltage |
| | | | | | ON | 0 V |
| 137 (P) | Ground | Receiver and sensor ground | Input | Ignition switch ON | | 0 V |
| 138 (V) | Ground | Receiver and sensor power supply | Output | Ignition switch | OFF | 0 V |
| | | | | | ACC or ON | 5.0 V |
| 139 (L) | Ground | Tire pressure receiver communication | Input/ Output | Ignition switch OFF (Remote key-less entry receiver communication) | During waiting |  JMKIA0064GB |
| | | | | | When operating either button on the Intelligent Key |  JMKIA0065GB |
| | | | | Ignition switch ON (Tire pressure receiver communication) | Standby state |  OCC3881D |
| | | | | | When receiving the signal from the transmitter |  OCC3880D |
| 140*8 (G) | Ground | Selector lever P/N position (A/T models) | Input | Selector lever | P or N position | 12 V |
| | | | | | Except P and N positions | 0 V |
| | | Park/neutral position switch (Coupe M/T models with Synchro-Rev Match mode) | Input | Ignition switch ON | Control lever in neutral position | Battery voltage |
| | | | | | Control lever in any position other than neutral | 0 V |

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

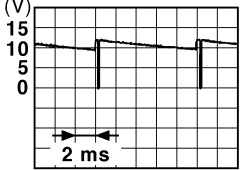
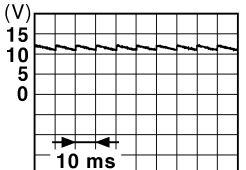
[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--------------------------------|------------------|---|---|--|
| + | - | Signal name | Input/ Output | | | |
| 141 (Y) | Ground | Security indicator lamp | Output | Security indica- tor lamp | ON | 0 V |
| | | | | | Blinking |  <p>11.3 V</p> <p>JPMIA0014GB</p> |
| | | | | | OFF | 12 V |
| 142 (O) | Ground | Combination switch OUTPUT 5 | Output | Combination switch (Wiper intermit- tent dial 4) | All switches OFF | 0 V |
| | | | | | Lighting switch 1ST |  <p>10.7 V</p> <p>JPMIA0031GB</p> |
| | | | | | Lighting switch HI | |
| | | | | | Lighting switch 2ND | |
| | | | | | Turn signal switch RH | |
| 143 (P) | Ground | Combination switch OUTPUT 1 | Output | Combination switch | All switches OFF (Wiper intermittent dial 4) | 0 V |
| | | | | | Front wiper switch HI (Wiper intermittent dial 4) |  <p>10.7 V</p> <p>JPMIA0032GB</p> |
| | | | | | Any of the conditions be- low with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7 | |
| 144 (G) | Ground | Combination switch OUTPUT 2 | Output | Combination switch | All switches OFF (Wiper intermittent dial 4) | 0 V |
| | | | | | Front washer switch ON (Wiper intermittent dial 4) |  <p>10.7 V</p> <p>JPMIA0033GB</p> |
| | | | | | Any of the conditions be- low with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6 | |
| 145 (L) | Ground | Combination switch OUTPUT 3 | Output | Combination switch (Wiper intermit- tent dial 4) | All switches OFF | 0 V |
| | | | | | Front wiper switch INT |  <p>10.7 V</p> <p>JPMIA0034GB</p> |
| | | | | | Front wiper switch LO | |
| | | | | | Lighting switch AUTO | |
| | | | | | Rear fog lamp switch ON | |

BCM (BODY CONTROL MODULE)

[ROADSTER]

< ECU DIAGNOSIS INFORMATION >

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|---|-----------------------|---|
| + | - | Signal name | Input/ Output | | | |
| 146 (SB) | Ground | Combination switch OUTPUT 4 | Output | Combination switch (Wiper intermit- tent dial 4) | All switches OFF | 0 V |
| | | | | | Lighting switch 2ND |  |
| | | | | | Lighting switch PASS | |
| | | | | | Turn signal switch LH | |
| 150 (GR) | Ground | Driver door switch | Input | Driver door switch | OFF (Door close) |  |
| | | | | | ON (Door open) | 11.8 V |
| 151 (G) | Ground | Rear window defog- ger relay control | Output | Rear window defogger | Active | 0 V |
| | | | | | Not activated | Battery voltage |

- *1: Coupe models
- *2: Roadster models
- *3: A/T models
- *4: With steering lock unit
- *5: Except M/T models with SynchroRev Match mode
- *6: M/T models
- *7: Without NAVI
- *8: A/T models or coupe M/T models without SynchroRev Match mode

DEF

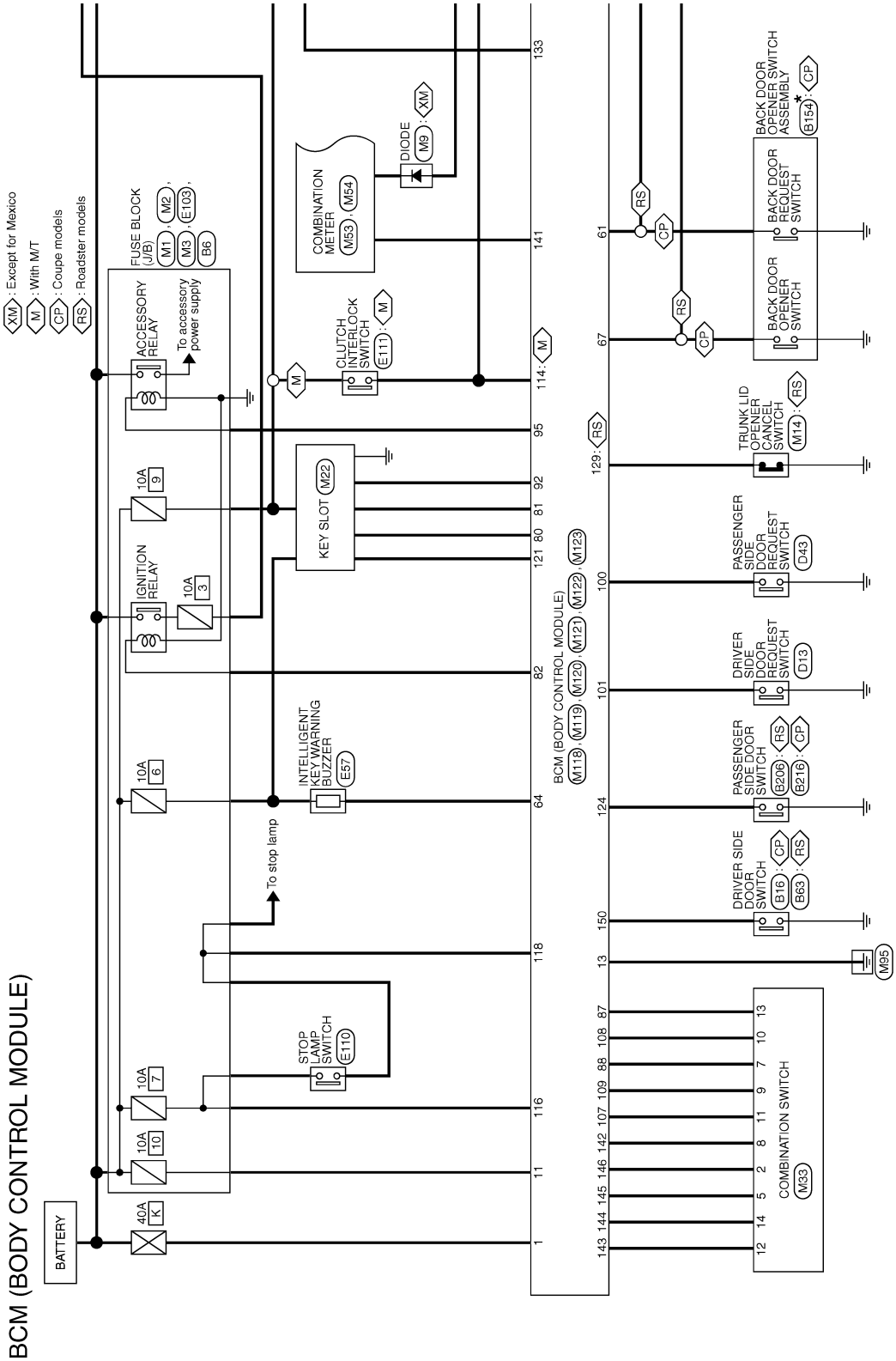
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Wiring Diagram - BCM -

INFOID:000000006930017



*: This connector is not shown in "Harness Layout".

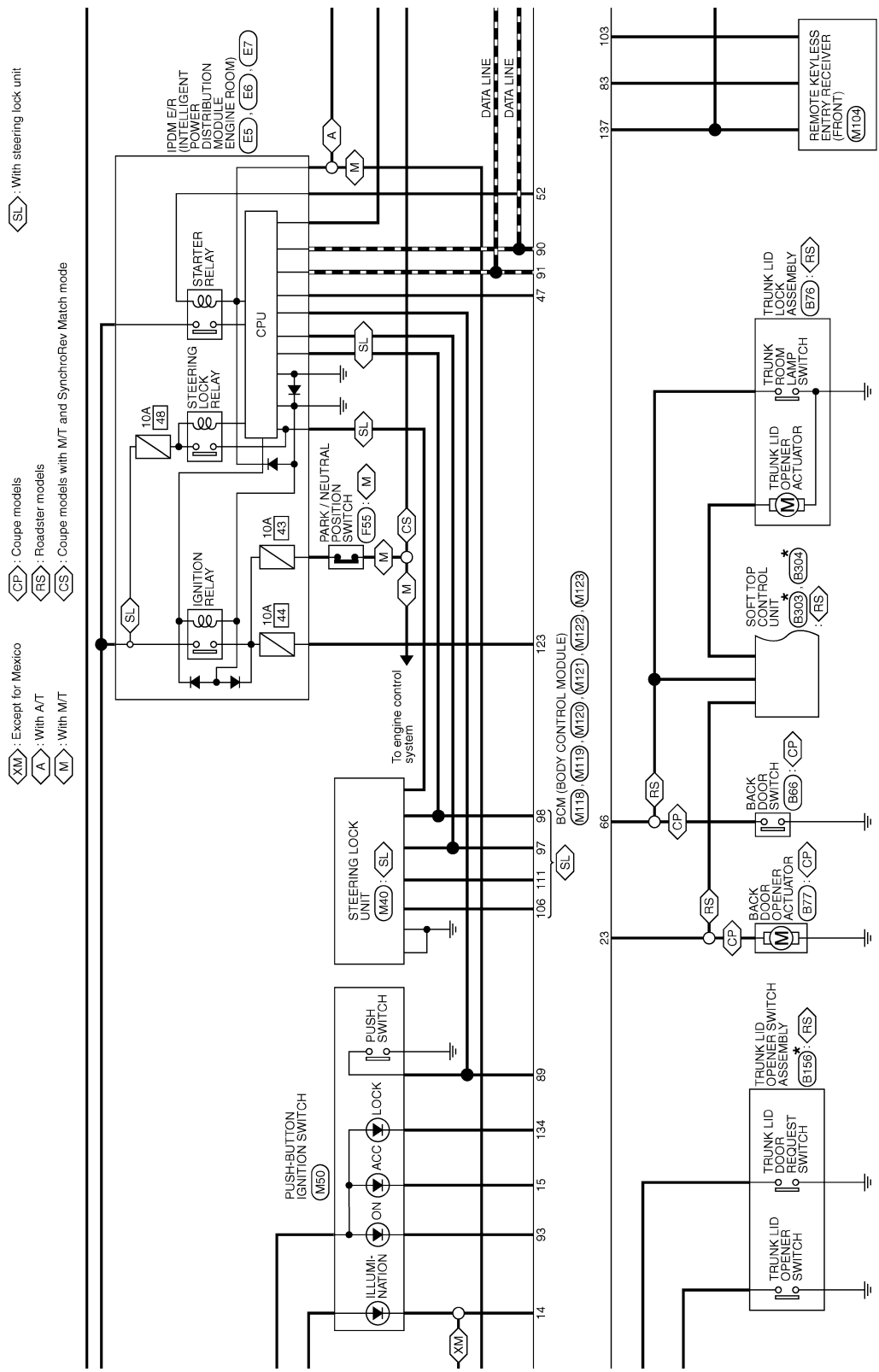
2010/09/22

JCMWA6293GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]



*: This connector is not shown in "Harness Layout".

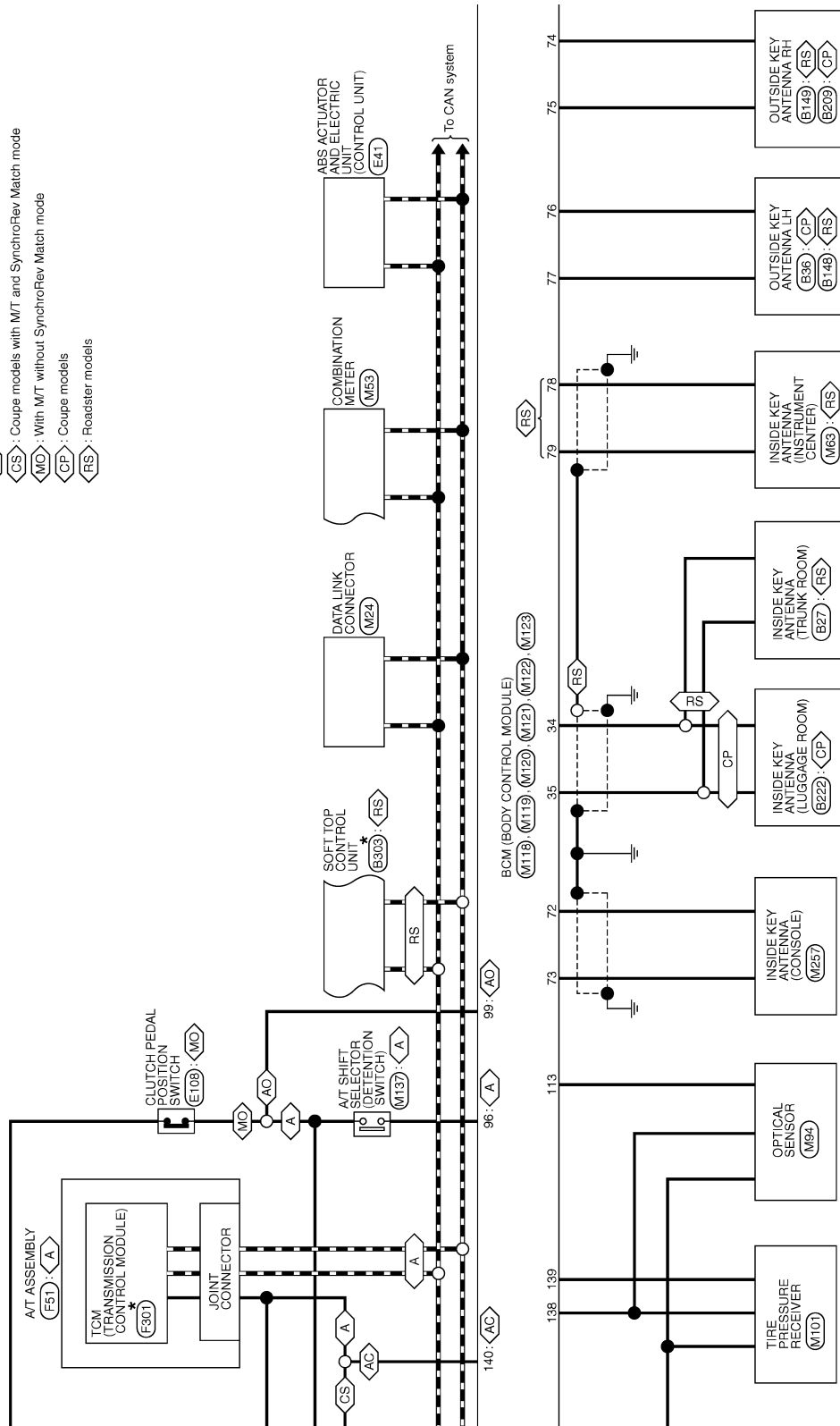
JCMWA6294GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

- : With A/T
- : With A/T or coupe models with M/T and SynchroRev Match mode
- : With A/T or with M/T without SynchroRev Match mode
- : Coupe models with M/T and SynchroRev Match mode
- : With M/T without SynchroRev Match mode
- : Coupe models
- : Roadster models



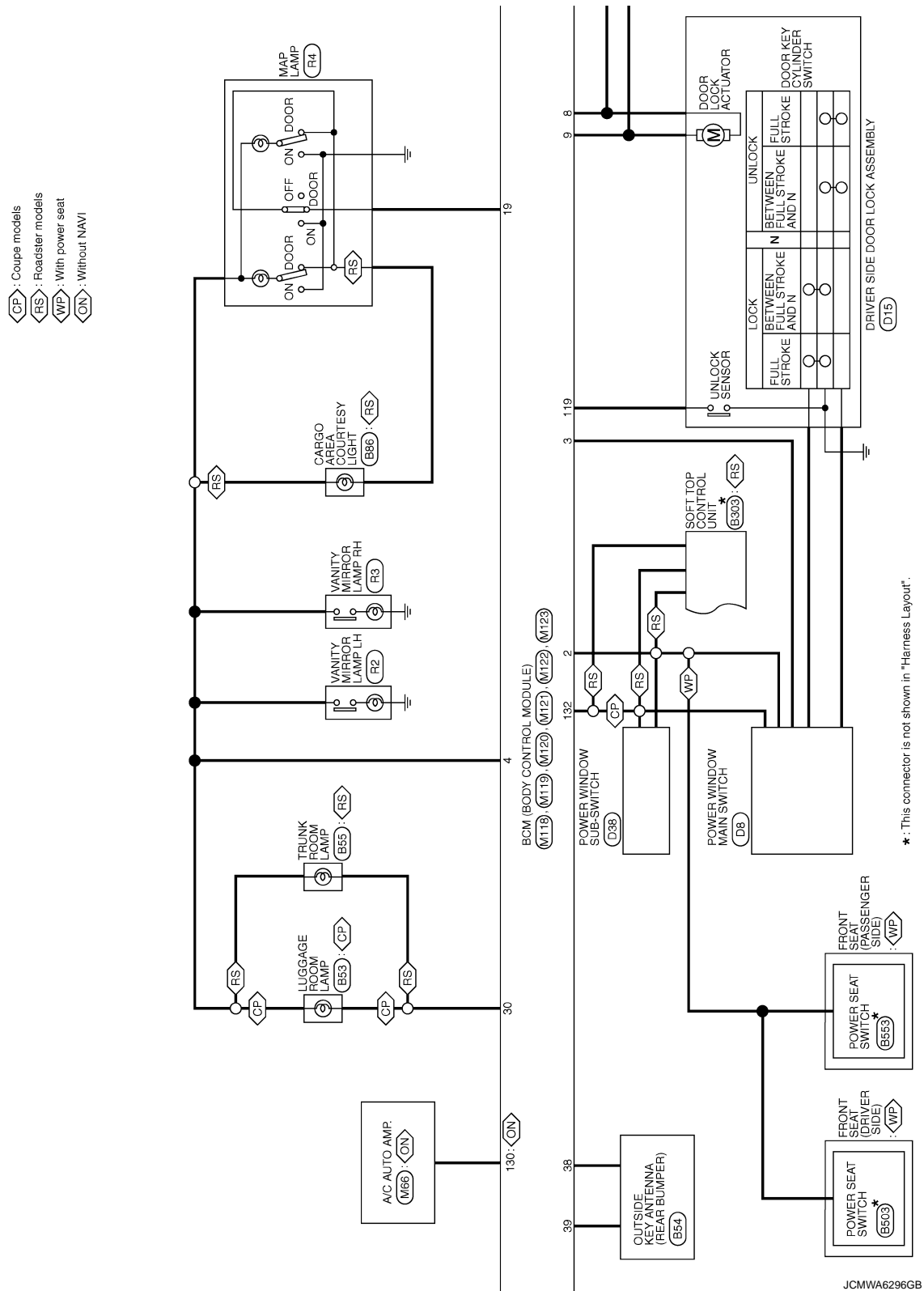
★: This connector is not shown in "Harness Layout".

JCMWA6295GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]



★: This connector is not shown in "Harness Layout".

JCMWA6296GB

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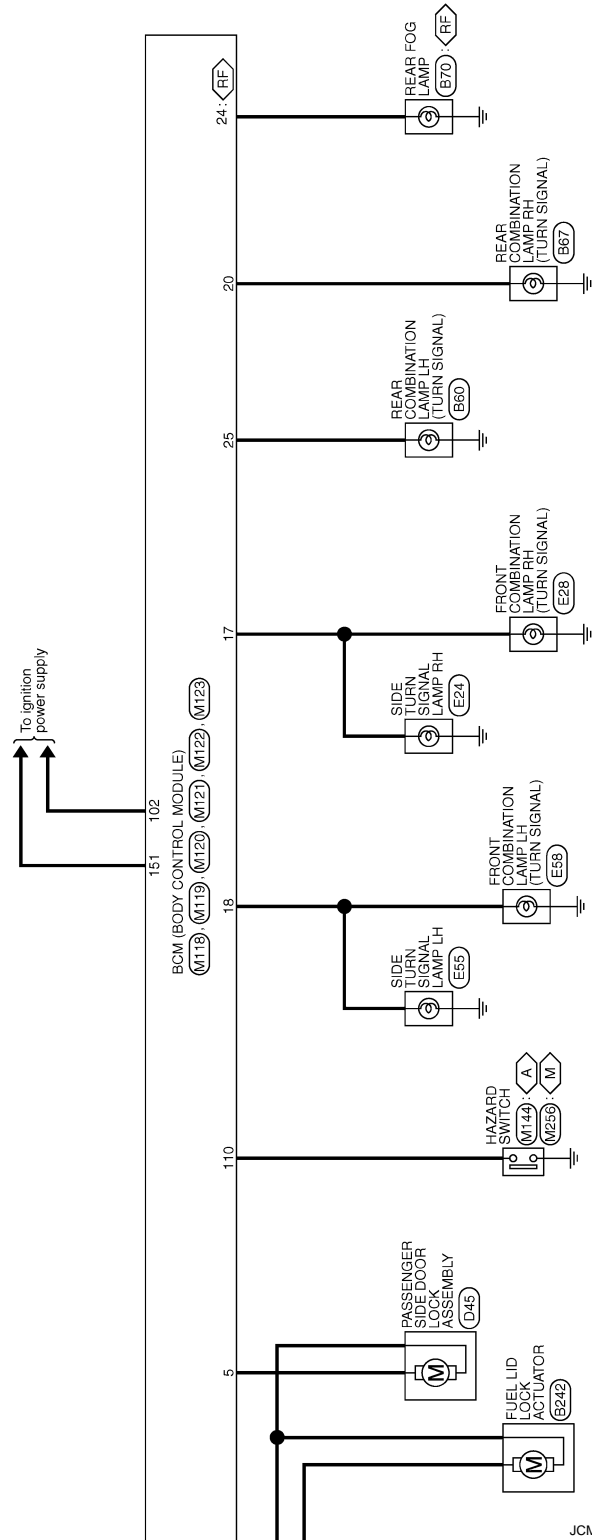
DEF

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

A : With A/T
 M : With M/T
 RF : With rear fog lamp



JCMWA6297GB

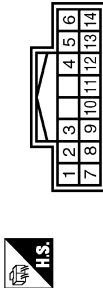
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

BCM (BODY CONTROL MODULE)

| | |
|----------------|--------------------|
| Connector No. | M33 |
| Connector Name | COMBINATION SWITCH |
| Connector Type | TH16PV-NH |



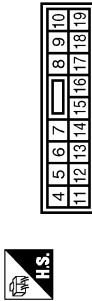
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1 | P | FR WASHER (-) |
| 2 | SB | OUTPUT 4 |
| 5 | L | OUTPUT 3 |
| 6 | B | GND |
| 7 | V | INPUT 3 |
| 8 | O | OUTPUT 5 |
| 9 | Y | INPUT 2 |
| 10 | R | INPUT 4 |
| 11 | LG | INPUT 1 |
| 12 | P | OUTPUT 1 |
| 13 | BR | INPUT 5 |
| 14 | G | OUTPUT 2 |

| | |
|----------------|---------------------------|
| Connector No. | M18 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | M03FB-LG |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---------------------------------|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

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| Connector No. | M119 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | NS16FW-CS |



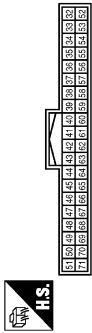
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|------------------------------------|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW (LL POWER |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT, SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT, SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

| | |
|----------------|---------------------------|
| Connector No. | M120 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | NS12FW-CS |



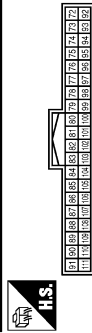
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|---|
| 20 | V | TURN SIGNAL RH (REAR) |
| 23 | L | BACK DOOR OPEN OUTPUT [Coupe models] |
| 23 | Y | TRUNK LID OPEN OUTPUT [Roadster models] |
| 24 | O | REAR FOG OUTPUT |
| 25 | LG | TURN SIGNAL LH (REAR) |
| 30 | R | LUGGAGE ROOM LAMP OUTPUT |

| | |
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| Connector No. | M121 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FGV-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--|
| 34 | G | LUGGAGE ROOM ANT- |
| 35 | R | LUGGAGE ROOM ANT+ |
| 38 | B | BACK DOOR ANT- |
| 39 | W | BACK DOOR ANT+ |
| 47 | V | IGN RELAY (RDM E/R) CONT |
| 52 | SB | STARTER RELAY CONT |
| 61 | W | BACK DOOR REQUEST SW [Coupe models] |
| 61 | W | TRUNK LID REQUEST SW [Roadster models] |
| 64 | G | I-KEY WARN BUZZER (ENG ROOM) |
| 66 | R | BACK DOOR SW [Coupe models] |
| 66 | R | TRUNK ROOM LAMP SW [Roadster models] |
| 67 | GR | BACK DOOR OPENER SW [Coupe models] |
| 67 | GR | TRUNK LID OPENER SW [Roadster models] |

| | |
|----------------|---------------------------|
| Connector No. | M122 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FEB-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 72 | L | ROOM ANT 2- |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT- |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT- |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1- |
| 78 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP |

| | | |
|-----|----|--------------------------------------|
| 81 | W | NATS ANT AMP |
| 82 | R | IGN RELAY (E/B) CONT |
| 83 | GR | KVLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 3 |
| 88 | V | PUSH SW |
| 89 | BR | CAN-L |
| 90 | P | CAN-H |
| 91 | L | KEY SLOT ILL |
| 92 | LG | ON IND |
| 93 | V | ACC RELAY CONT |
| 95 | O | A/T SHIFT SELECTOR POWER SUPPLY |
| 96 | Y | S/L CONDITION 1 |
| 97 | L | S/L CONDITION 2 |
| 98 | P | SHIFT P (Wth A/T) |
| 99 | R | CLUTCH PEDAL POS SW (Wth M/T) |
| 100 | GR | SHIFT P (Wth A/T) |
| 101 | Y | PASSENGER DOOR REQUEST SW |
| 102 | O | DRIVER DOOR REQUEST SW |
| 103 | LG | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KVLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | Y | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

JCMWA6298GB

| BCM (BODY CONTROL MODULE) | | |
|---------------------------|---------------------------|--|
| Connector No. | M123 | |
| Connector Name | BCM (BODY CONTROL MODULE) | |
| Connector Type | TH40FG-1H1 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 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 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|--|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN P/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFROGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM (Roadster models) |
| 132 | Y | POWER WINDOW SW COMM (Coupe models) |
| 133 | G | PUSH BUTTON IGNITION SW ILL POWER |
| 134 | GR | LOCK IND |
| 137 | P | RECEIVER/SENSOR GND |
| 138 | V | RECEIVER / SENSOR POWER SUPPLY |
| 139 | L | TIRE PRESS./K/LS ENT (REAR) RECEIV COMM |
| 140 | G | P/N POSITION SW (With M/T) |
| 141 | Y | SHIFT N/P (With A/T) |
| 141 | Y | SECURITY INDICATOR |
| 142 | O | COMBI SW OUTPUT 5 |
| 143 | P | COMBI SW OUTPUT 1 |
| 144 | G | COMBI SW OUTPUT 2 |
| 145 | L | COMBI SW OUTPUT 3 |
| 146 | SB | COMBI SW OUTPUT 4 |
| 150 | GR | DRIVER DOOR SW |
| 151 | G | REAR WINDOW DEFROGGER RELAY CONT |

Fail-safe

FAIL-SAFE CONTROL BY DTC
BCM performs fail-safe control when any DTC are detected.

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Display contents of CONSULT | Fail-safe | Cancellation |
|-----------------------------|-------------------------|---|
| B2013: ID DISCORD BCM-S/L | Inhibit engine cranking | Erase DTC |
| B2014: CHAIN OF S/L-BCM | Inhibit engine cranking | Erase DTC |
| B2190: NATS ANTENNA AMP | Inhibit engine cranking | Erase DTC |
| B2191: DIFFERENCE OF KEY | Inhibit engine cranking | Erase DTC |
| B2192: ID DISCORD BCM-ECM | Inhibit engine cranking | Erase DTC |
| B2193: CHAIN OF BCM-ECM | Inhibit engine cranking | Erase DTC |
| B2195: ANTI SCANNING | Inhibit engine cranking | Ignition switch ON → OFF |
| B2557: VEHICLE SPEED | Inhibit steering lock | When normal vehicle speed signals are received from ABS actuator and electric unit (control unit) for 500 ms |
| B2560: STARTER CONT RELAY | Inhibit engine cranking | 500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> Starter control relay signal Starter relay status signal |
| B2601: SHIFT POSITION | Inhibit steering lock | 500 ms after the following signal reception status becomes consistent <ul style="list-style-type: none"> Selector lever P position switch signal P range signal (CAN) |
| B2602: SHIFT POSITION | Inhibit steering lock | 5 seconds after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> Ignition switch is in the ON position Selector lever P position switch signal: Except P position (battery voltage) Vehicle speed: 4 km/h (2.5 MPH) or more |
| B2603: SHIFT POSI STATUS | Inhibit steering lock | 500 ms after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> Ignition switch is in the ON position Selector lever P position switch signal: Except P position (battery voltage) Selector lever P/N position signal: Except P and N positions (0 V) |
| B2604: PNP SW | Inhibit steering lock | 500 ms after any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> Status 1 <ul style="list-style-type: none"> Ignition switch is in the ON position Selector lever P/N position signal: P and N position (battery voltage) P range signal or N range signal (CAN): ON Status 2 <ul style="list-style-type: none"> Ignition switch is in the ON position Selector lever P/N position signal: Except P and N positions (0 V) P range signal and N range signal (CAN): OFF |
| B2605: PNP SW | Inhibit steering lock | 500 ms after any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> Status 1 <ul style="list-style-type: none"> Ignition switch is in the ON position Selector lever P/N position signal: Except P and N positions (0 V) Interlock/PNP switch signal (CAN): OFF Status 2 <ul style="list-style-type: none"> Ignition switch is in the ON position Selector lever P/N position signal: P or N position (battery voltage) PNP switch signal (CAN): ON |
| B2606: S/L RELAY | Inhibit engine cranking | 500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> Steering lock relay signal (Request signal) Steering lock relay signal (Condition signal) |

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Display contents of CONSULT | Fail-safe | Cancellation |
|-----------------------------|--|---|
| B2607: S/L RELAY | Inhibit engine cranking | 500 ms after the following CAN signal communication status has becomes consistent <ul style="list-style-type: none"> Steering lock relay signal (Request signal) Steering lock relay signal (Condition signal) |
| B2608: STARTER RELAY | Inhibit engine cranking | 500 ms after the following signal communication status becomes consistent <ul style="list-style-type: none"> Starter motor relay control signal Starter relay status signal (CAN) |
| B2609: S/L STATUS | <ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock | When the following steering lock conditions agree <ul style="list-style-type: none"> BCM steering lock control status Steering lock condition No. 1 signal status Steering lock condition No. 2 signal status |
| B260A: IGNITION RELAY | Inhibit engine cranking | 500 ms after the following conditions are fulfilled <ul style="list-style-type: none"> IGN relay (IPDM E/R) control signal: OFF (Battery voltage) Ignition ON signal (CAN to IPDM E/R): OFF (Request signal) Ignition ON signal (CAN from IPDM E/R): OFF (Condition signal) |
| B260F: ENG STATE SIG LOST | Maintains the power supply position attained at the time of DTC detection | When any of the following conditions are fulfilled <ul style="list-style-type: none"> Power position changes to ACC Receives engine status signal (CAN) |
| B2612: S/L STATUS | <ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock | When any of the following conditions are fulfilled <ul style="list-style-type: none"> Steering lock unit status signal (CAN) is received normally The BCM steering lock control status matches the steering lock status recognized by the steering lock unit status signal (CAN from IPDM E/R) |
| B2617: STARTER RELAY CIRC | Inhibit engine cranking | 1 second after the starter motor relay control inside BCM becomes normal |
| B2618: BCM | Inhibit engine cranking | 1 second after the ignition relay (IPDM E/R) control inside BCM becomes normal |
| B2619: BCM | Inhibit engine cranking | 1 second after the steering lock unit power supply output control inside BCM becomes normal |
| B261E: VEHICLE TYPE | Inhibit engine cranking | BCM initialization |
| B26E8: CLUTCH SW | Inhibit engine cranking | When any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> Status 1 <ul style="list-style-type: none"> Clutch switch signal (CAN from ECM): ON Clutch interlock switch signal: OFF (0 V) Status 2 <ul style="list-style-type: none"> Clutch switch signal (CAN from ECM): OFF Clutch interlock switch signal: ON (Battery voltage) |
| B26E9: S/L STATUS | <ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock | When BCM transmits the LOCK request signal to steering lock unit, and receives LOCK response signal from steering lock unit, the following conditions are fulfilled <ul style="list-style-type: none"> Steering condition No. 1 signal: LOCK (0 V) Steering condition No. 2 signal: LOCK (Battery voltage) |

DTC Inspection Priority Chart

INFOID:000000006930019

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

| Priority | DTC |
|----------|---|
| 1 | B2562: LOW VOLTAGE |
| 2 | <ul style="list-style-type: none"> U1000: CAN COMM CIRCUIT U1010: CONTROL UNIT (CAN) |
| 3 | <ul style="list-style-type: none"> B2190: NATS ANTENNA AMP B2191: DIFFERENCE OF KEY B2192: ID DISCORD BCM-ECM B2193: CHAIN OF BCM-ECM B2195: ANTI SCANNING |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Priority | DTC | |
|----------|-----------------------------|---|
| 4 | • B2013: ID DISCORD BCM-S/L | A |
| | • B2014: CHAIN OF S/L-BCM | |
| | • B2553: IGNITION RELAY | |
| | • B2555: STOP LAMP | B |
| | • B2556: PUSH-BTN IGN SW | |
| | • B2557: VEHICLE SPEED | |
| | • B2560: STARTER CONT RELAY | |
| | • B2601: SHIFT POSITION | C |
| | • B2602: SHIFT POSITION | |
| | • B2603: SHIFT POSI STATUS | |
| | • B2604: PNP SW | |
| | • B2605: PNP SW | D |
| | • B2606: S/L RELAY | |
| | • B2607: S/L RELAY | |
| | • B2608: STARTER RELAY | |
| | • B2609: S/L STATUS | E |
| | • B260A: IGNITION RELAY | |
| | • B260B: STEERING LOCK UNIT | |
| | • B260C: STEERING LOCK UNIT | F |
| | • B260D: STEERING LOCK UNIT | |
| | • B260F: ENG STATE SIG LOST | |
| | • B2612: S/L STATUS | |
| | • B2614: ACC RELAY CIRC | G |
| | • B2615: BLOWER RELAY CIRC | |
| | • B2616: IGN RELAY CIRC | |
| | • B2617: STARTER RELAY CIRC | |
| | • B2618: BCM | H |
| | • B2619: BCM | |
| | • B261A: PUSH-BTN IGN SW | |
| | • B261E: VEHICLE TYPE | |
| | • B26E8: CLUTCH SW | I |
| | • B26E9: S/L STATUS | |
| | • B26EA: KEY REGISTRATION | |
| | • C1729: VHCL SPEED SIG ERR | J |
| | • U0415: VEHICLE SPEED SIG | |
| 5 | • C1704: LOW PRESSURE FL | |
| | • C1705: LOW PRESSURE FR | |
| | • C1706: LOW PRESSURE RR | K |
| | • C1707: LOW PRESSURE RL | |
| | • C1708: [NO DATA] FL | |
| | • C1709: [NO DATA] FR | |
| | • C1710: [NO DATA] RR | |
| | • C1711: [NO DATA] RL | |
| | • C1716: [PRESSDATA ERR] FL | |
| | • C1717: [PRESSDATA ERR] FR | |
| | • C1718: [PRESSDATA ERR] RR | |
| | • C1719: [PRESSDATA ERR] RL | |
| | • C1734: CONTROL UNIT | |
| 6 | • B2621: INSIDE ANTENNA | N |
| | • B2622: INSIDE ANTENNA | |
| | • B2623: INSIDE ANTENNA | |

DEF

DTC Index

INFOID:000000006930020

NOTE:

The details of time display are as follows.

- CRNT: A malfunction is detected now.
- PAST: A malfunction was detected in the past.

IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to [BCS-19, "COMMON ITEM : CONSULT-III Function \(BCM - COMMON ITEM\)"](#).

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| CONSULT display | Fail-safe | Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition | Intelligent Key warning lamp ON | Tire pressure monitor warn- ing lamp ON | Reference page |
|--|-----------|--|---------------------------------------|---|------------------------|
| No DTC is detected. further testing may be required. | — | — | — | — | — |
| U1000: CAN COMM CIRCUIT | — | — | — | — | BCS-42 |
| U1010: CONTROL UNIT (CAN) | — | — | — | — | BCS-43 |
| U0415: VEHICLE SPEED SIG | — | — | — | — | BCS-44 |
| B2013: ID DISCORD BCM-S/L* | × | × | — | — | SEC-52 |
| B2014: CHAIN OF S/L-BCM* | × | × | — | — | SEC-53 |
| B2190: NATS ANTENNA AMP | × | — | — | — | SEC-44 |
| B2191: DIFFERENCE OF KEY | × | — | — | — | SEC-47 |
| B2192: ID DISCORD BCM-ECM | × | — | — | — | SEC-48 |
| B2193: CHAIN OF BCM-ECM | × | — | — | — | SEC-50 |
| B2195: ANTI SCANNING | × | — | — | — | SEC-51 |
| B2553: IGNITION RELAY | — | × | — | — | PCS-52 |
| B2555: STOP LAMP | — | × | — | — | SEC-56 |
| B2556: PUSH-BTN IGN SW | — | × | × | — | SEC-58 |
| B2557: VEHICLE SPEED | × | × | × | — | SEC-60 |
| B2560: STARTER CONT RELAY | × | × | × | — | SEC-61 |
| B2562: LOW VOLTAGE | — | × | — | — | BCS-45 |
| B2601: SHIFT POSITION | × | × | × | — | SEC-62 |
| B2602: SHIFT POSITION | × | × | × | — | SEC-65 |
| B2603: SHIFT POSI STATUS | × | × | × | — | SEC-68 |
| B2604: PNP SW | × | × | × | — | SEC-71 |
| B2605: PNP SW | × | × | × | — | SEC-73 |
| B2606: S/L RELAY* | × | × | × | — | SEC-75 |
| B2607: S/L RELAY* | × | × | × | — | SEC-76 |
| B2608: STARTER RELAY | × | × | × | — | SEC-78 |
| B2609: S/L STATUS* | × | × | × | — | SEC-80 |
| B260A: IGNITION RELAY | × | × | × | — | PCS-54 |
| B260B: STEERING LOCK UNIT* | — | × | × | — | SEC-84 |
| B260C: STEERING LOCK UNIT* | — | × | × | — | SEC-85 |
| B260D: STEERING LOCK UNIT* | — | × | × | — | SEC-86 |
| B260F: ENG STATE SIG LOST | × | × | × | — | SEC-87 |
| B2612: S/L STATUS* | × | × | × | — | SEC-92 |
| B2614: ACC RELAY CIRC | — | × | × | — | PCS-56 |
| B2615: BLOWER RELAY CIRC | — | × | × | — | PCS-59 |
| B2616: IGN RELAY CIRC | — | × | × | — | PCS-62 |
| B2617: STARTER RELAY CIRC | × | × | × | — | SEC-96 |
| B2618: BCM | × | × | × | — | PCS-65 |
| B2619: BCM* | × | × | × | — | SEC-98 |
| B261A: PUSH-BTN IGN SW | — | × | × | — | PCS-66 |

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| CONSULT display | Fail-safe | Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition | Intelligent Key warning lamp ON | Tire pressure monitor warn- ing lamp ON | Reference page |
|---------------------------|-----------|--|---------------------------------------|---|--|
| B261E: VEHICLE TYPE | × | × | × (Turn ON for 15 seconds) | — | SEC-99 |
| B2621: INSIDE ANTENNA | — | × | — | — | DLK-278 |
| B2622: INSIDE ANTENNA | — | × | — | — | • DLK-83 (Coupe) • DLK-280 (Roadster) |
| B2623: INSIDE ANTENNA | — | × | — | — | • DLK-85 (Coupe) • DLK-282 (Roadster) |
| B26E8: CLUTCH SW | × | × | × | — | SEC-88 |
| B26E9: S/L STATUS* | × | × | × (Turn ON for 15 seconds) | — | SEC-90 |
| B26EA: KEY REGISTRATION | — | × | × (Turn ON for 15 seconds) | — | SEC-91 |
| C1704: LOW PRESSURE FL | — | — | — | × | WT-23 |
| C1705: LOW PRESSURE FR | — | — | — | × | |
| C1706: LOW PRESSURE RR | — | — | — | × | |
| C1707: LOW PRESSURE RL | — | — | — | × | |
| C1708: [NO DATA] FL | — | — | — | × | WT-25 |
| C1709: [NO DATA] FR | — | — | — | × | |
| C1710: [NO DATA] RR | — | — | — | × | |
| C1711: [NO DATA] RL | — | — | — | × | |
| C1716: [PRESSDATA ERR] FL | — | — | — | × | WT-28 |
| C1717: [PRESSDATA ERR] FR | — | — | — | × | |
| C1718: [PRESSDATA ERR] RR | — | — | — | × | |
| C1719: [PRESSDATA ERR] RL | — | — | — | × | |
| C1729: VHCL SPEED SIG ERR | — | — | — | × | WT-30 |
| C1734: CONTROL UNIT | — | — | — | × | WT-32 |

*: For models without steering lock unit, this DTC is not applied.

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SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

SOFT TOP CONTROL UNIT

Reference Value

INFOID:000000006352186

VALUES ON THE DIAGNOSIS TOOL

CONSULT-III MONITOR ITEM

| Monitor Item | Condition | Status/Value |
|------------------|---|--------------|
| ROOF LATCHED RH | Lock position | ON |
| | Other than above | OFF |
| | Roof striker sensor RH circuit is open or short | NG |
| ROOF LATCHED LH | Lock position | ON |
| | Other than above | OFF |
| | Roof striker sensor LH circuit is open or short | NG |
| F/CENTER LOCK | Lock | ON |
| | Other than above | OFF |
| | Roof latch lock sensor circuit is open or short | NG |
| R/RAIL RAISED LH | Soft top is close | ON |
| | Other than above | OFF |
| | Roof status sensor LH circuit is open or short | NG |
| R/RAIL RAISED RH | Soft top is close | ON |
| | Other than above | OFF |
| | Roof status sensor RH circuit is open or short | NG |
| R/RAIL LOWERED | Soft top is open | ON |
| | Other than above | OFF |
| | Roof status sensor LH circuit is open or short | NG |
| 5TH BOW LOWERED | 5th bow is close | ON |
| | Other than above | OFF |
| | 5th bow status sensor LH circuit is open or short | NG |
| 5TH BOW RAISED | 5th bow is open | ON |
| | Other than above | OFF |
| | 5th bow status sensor RH circuit is open or short | NG |
| S/LID OPEN LH | Storage lid is open | ON |
| | Other than above | OFF |
| | Storage lid status sensor LH circuit is open or short | NG |
| S/LID OPEN RH | Storage lid is open | ON |
| | Other than above | OFF |
| | Storage lid status sensor RH circuit is open or short | NG |

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Monitor Item | Condition | | Status/Value |
|------------------|---|---|--------------|
| S/LID CLOSE RH | State of storage lid drive cylinder RH | Storage lid is close | ON |
| | | Other than above | OFF |
| | | Storage lid status sensor RH circuit is open or short | NG |
| 5TH BOW LATCH OP | State of 5th bow latch cylinder | Unlock | ON |
| | | Other than above | OFF |
| | | 5th bow latch open sensor circuit is open or short | NG |
| SWITCH VALVE 1 | Operation of switching valve 1 | Operate | ON |
| | | Stop | OFF |
| | | Switching valve 1 circuit is short | NG |
| SWITCH VALVE 2 | Operation of switching valve 2 | Operate | ON |
| | | Stop | OFF |
| | | Switching valve 2 circuit is short | NG |
| SWITCH VALVE 3 | Operation of switching valve 3 | Operate | ON |
| | | Stop | OFF |
| | | Switching valve 3 circuit is short | NG |
| SWITCH VALVE 4 | Operation of switching valve 4 | Operate | ON |
| | | Stop | OFF |
| | | Switching valve 4 circuit is short | NG |
| SWITCH VALVE 5 | Operation of switching valve 5 | Operate | ON |
| | | Stop | OFF |
| | | Switching valve 5 circuit is short | NG |
| PUMP OUT (RH) | Operation of hydraulic pump motor | Turning clockwise | ON |
| | | Other than above | OFF |
| | | Hydraulic pump motor (RH) circuit is short | NG |
| PUMP OUT (LH) | Operation of hydraulic pump motor | Turning counterclockwise | ON |
| | | Other than above | OFF |
| | | Hydraulic pump motor (LH) circuit is short | NG |
| 5TH BOW LATCH CL | State of 5th bow latch cylinder | Lock | ON |
| | | Other than above | OFF |
| | | 5th bow latch close sensor circuit is open or short | NG |
| ROOF SW (OPEN) | State of roof open/close switch | OPEN operation is in operation | ON |
| | | Other than above | OFF |
| ROOF SW (CLOSE) | State of roof open/close switch | CLOSE operation is in operation | ON |
| | | Other than above | OFF |
| SHIFT R SIGNAL | Shift position | R position | ON |
| | | Other than R position | OFF |
| TRUNK OPEN OUT | Operation of trunk lid opener actuator | OPEN operation is in operation | ON |
| | | Other than above | OFF |
| THER PROTEC PUMP | Thermo protection hydraulic pump | In non-operation | OK |
| | | In operation | NG |
| THER PROTEC RCU | Thermo protection soft top control unit | In non-operation | OK |
| | | In operation | NG |

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SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

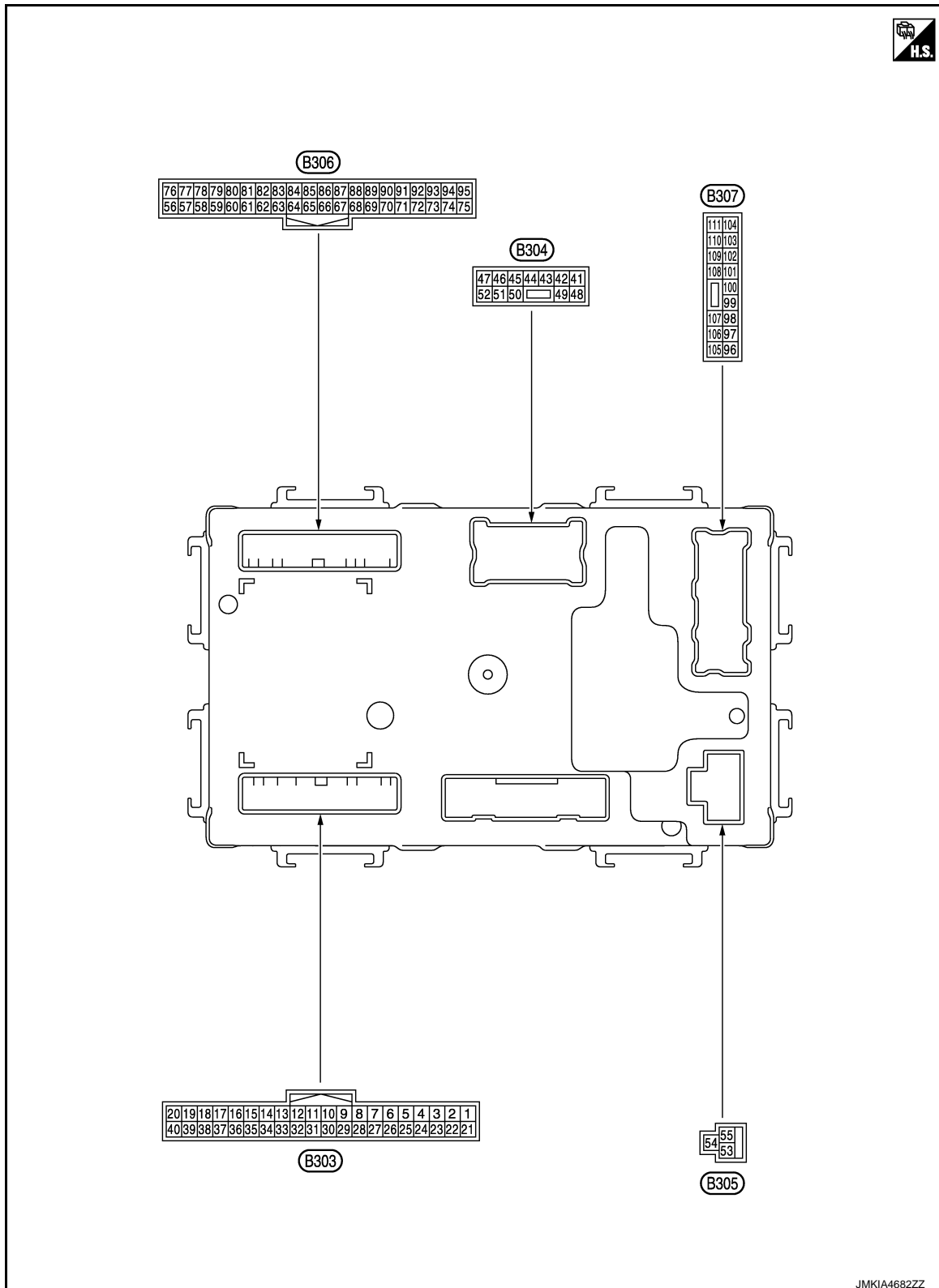
| Monitor Item | Condition | | Status/Value |
|-------------------|---|---|--------------|
| PWR COND RCU | Power supply voltage state of soft top control unit | Normal | OK |
| | | Malfunction | NG |
| PWR COND P/W | Power supply voltage state of power window | Normal | OK |
| | | Malfunction | NG |
| LOCAL COMM 1 | State of local communication 1 | Normal | OK |
| | | It is in sleep mode | SLEEP |
| | | Communication error | NG |
| LOCAL COMM 2 | State of local communication 2 | Normal | OK |
| | | It is in sleep mode | SLEEP |
| | | Communication error | NG |
| REAR DEF OUT | Operation of rear window defogger | Roof position is full close | OK |
| | | Other than above | NG |
| 5BOW STRIK LATCH | State of 5th bow latch | 5th bow striker is in 5th bow latch | ON |
| | | Other than above | OFF |
| | | 5th bow striker sensor circuit is open or short | NG |
| P/W OP REQ SW SIG | State of request switch signal | OPEN operation is in operation | ON |
| | | Stop | OFF |
| PROHIBIT P/W UP | Prohibit of power window up | In operation | ON |
| | | In non-operation | OFF |
| IGN ON SIG(BCM) | Power position signal | Ignition switch ON | ON |
| | | Other than above | OFF |
| RF OP REQ SW SIG | State of request switch signal | OPEN operation is in operation | ON |
| | | Stop | OFF |

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

TERMINAL LAYOUT



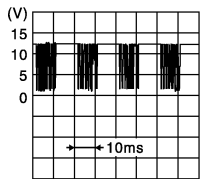
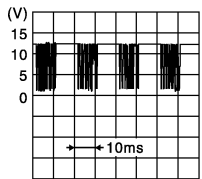
PHYSICAL VALUES

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SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--|------------------|--|---------------------|--|
| + | — | Signal name | Input/ Output | | | |
| 1 (BR) | Ground | Sensor power supply (Roof striker sensor LH) | Output | [Engine is running] | | 12 V |
| 3 (DG) | Ground | Roof striker sensor RH | Input | [Engine is running] • Roof lock assembly | Hooked | 0.8 V |
| | | | | | Released | 3.0 V |
| 4 (W) | Ground | Roof striker sensor LH | Input | [Engine is running] • Roof lock assembly | Hooked | 0.8 V |
| | | | | | Released | 3.0 V |
| 8 (Y) | Ground | Back up lamp signal | Input | [Ignition switch: ON] • Shift position | R position | Battery voltage |
| | | | | | Other than above | 0 V |
| 9 (SB) | Ground | Power source (Power window) | Input | [Ignition switch: OFF] | | Battery voltage |
| 10 (O) | Ground | Trunk lid open re- quest signal (BCM) | Input | [Ignition switch: ON] • Trunk opener | Operate | 0 V → Battery voltage → 0 V |
| | | | | | Other than above | 0 V |
| 11 (O) | Ground | Roof status signal (Indicator lamp) | Output | [Engine is running] • Soft top indicator lamp | Illuminate | 0 V |
| | | | | | Not illuminate | Battery voltage |
| 12 (SB) | Ground | Roof status signal (Audio) | Output | [Engine is running] • Soft top system | Fully open | 9.5 V |
| | | | | | Other than above | 0 V |
| 14 (L) | Ground | Roof open/close switch (Close) | Input | [Engine is running] • Close switch | Pressed | 0 V |
| | | | | | Released | Battery voltage |
| 15 (LG) | Ground | Roof open/close switch (Open) | Input | [Engine is running] • Open switch | Pressed | 0 V |
| | | | | | Released | Battery voltage |
| 16 (V) | Ground | Trunk room lamp switch | Input | [Ignition switch: ON] • Trunk lid | Open | 0 V |
| | | | | | Other than above | Battery voltage |
| 17 (BG) | Ground | CAN-H | Input/ Output | — | | — |
| 18 (P) | Ground | CAN-L | Input/ Output | — | | — |
| 19 (LG) | Ground | Local communication (Power window) | Input/ Output | — | |  JMKIA4024GB |
| 20 (V) | Ground | Local communication (BCM) | Input/ Output | — | |  JMKIA4024GB |

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--|------------------|---|---------------------|-----------------------------|
| + | — | Signal name | Input/ Output | | | |
| 21 (BR) | Ground | Sensor power supply (Roof striker sensor RH) | Output | [Engine is running] | | 12 V |
| 29 (DG) | Ground | Ground | — | — | | — |
| 35 (P) | Ground | Ground (Roof open/close switch) | — | — | | — |
| 41 (DG) | Ground | Trunk lid opener ac- tuator | Output | Trunk lid opener | Operate | 0 V → Battery voltage → 0 V |
| | | | | | Stop | 0 V |
| 48 (R) | Ground | Power source (Rear window defog- ger) | Input | [Engine is running] • Rear window defogger | Active | Battery voltage |
| | | | | | Not active | 0 V |
| 49 (R) | Ground | Power source (Rear window defog- ger) | Input | [Engine is running] • Rear window defogger | Active | Battery voltage |
| | | | | | Not active | 0 V |
| 53 (R) | Ground | Power source (Roof) | Input | [Engine is running] | | Battery voltage |
| 54 (B) | Ground | Ground (Roof) | — | — | | — |
| 56 (W) | Ground | 5th bow latch close sensor | Input | [Engine is running] • 5th bow latch | Lock | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 57 (G) | Ground | 5th bow latch open sensor | Input | [Engine is running] • 5th bow latch | Unlock | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 58 (LG) | Ground | Storage lid status sensor RH (Open) | Input | [Engine is running] • Storage lid | Full open | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 59 (W) | Ground | Storage lid status sensor RH (Close) | Input | [Engine is running] • Storage lid | Full close | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 60 (DG) | Ground | Storage lid status sensor LH (Open) | Input | [Engine is running] • Storage lid | Full open | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 61 (Y) | Ground | Roof status sensor RH (Close) | Input | [Engine is running] • Soft top | Raised | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 66 (L) | Ground | Roof status sensor LH (Open) | Input | [Engine is running] • Soft top | Lowered | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 68 (P) | Ground | 5th bow status sen- sor RH | Input | [Engine is running] • 5th bow | Raised | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 69 (V) | Ground | Roof status sensor LH (Close) | Input | [Engine is running] • Soft top | Raised | 0.8 V |
| | | | | | Other than above | 3.0 V |

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SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|---|------------------|--|------------------|---|
| + | — | Signal name | Input/ Output | | | |
| 70 (O) | Ground | 5th bow status sensor LH | Input | [Engine is running] • 5th bow | Lowered | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 71 (SB) | Ground | Roof latch lock sensor | Input | [Engine is running] • Roof lock assembly | Lock | 0.8 V |
| | | | | | Other than above | 3.0 V |
| 72 (W/R) | Ground | Hydraulic pump temperature sensor | Input | [Engine is running] | | 0 - 4.8 V Output voltage varies with hydraulic pump temperature. |
| 73 (R) | Ground | Hydraulic pump relay 2 ON signal | Input | [Engine is running] • Hydraulic pump motor (Right rotation) | Active | 12 V |
| | | | | | Inactive | 0 V |
| 74 (R/B) | Ground | Hydraulic pump relay 1 ON signal | Input | [Engine is running] • Hydraulic pump motor (Left rotation) | Active | 12 V |
| | | | | | Inactive | 0 V |
| 75 (BR) | Ground | Sensor power supply (Roof status sensor LH/5th bow latch open sensor/5th bow latch close sensor/5th bow striker sensor) | Output | [Engine is running] | | 12 V |
| 76 (L) | Ground | 5th bow striker sensor | Input | [Engine is running] • 5th bow striker | Hooked | 0.8 V |
| | | | | | Released | 3.0 V |
| 92 (BG) | Ground | Sensor ground (Hydraulic pump temperature sensor) | — | — | | — |
| 93 (BR) | Ground | Sensor power supply (Roof status sensor RH/Storage lid status sensor RH) | Output | [Engine is running] | | 12 V |
| 94 (BR) | Ground | Sensor power supply (Roof latch lock sensor/5th bow status sensor LH) | Output | [Engine is running] | | 12 V |
| 95 (BR) | Ground | Sensor power supply (Storage lid status sensor/5th bow status sensor RH) | Output | [Engine is running] | | 12 V |
| 96 (W) | Ground | Switching valve 4 | Output | [Engine is running] • Switching valve 4 | Active | 12 V |
| | | | | | Inactive | 0 V |
| 97 (LG) | Ground | Switching valve 3 | Output | [Engine is running] • Switching valve 3 | Active | 12 V |
| | | | | | Inactive | 0 V |
| 98 (L) | Ground | Switching valve 2 | Output | [Engine is running] • Switching valve 2 | Active | 12 V |
| | | | | | Inactive | 0 V |
| 99 (O) | Ground | Switching valve 1 | Output | [Engine is running] • Switching valve 1 | Active | 12 V |
| | | | | | Inactive | 0 V |
| 100 (BR) | Ground | Hydraulic pump relay 2 | Output | [Engine is running] • Hydraulic pump motor (Right rotation) | Active | 12 V |
| | | | | | Inactive | 0 V |

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Terminal No. (Wire color) | | Description | | Condition | | Value (Approx.) |
|------------------------------|--------|--|------------------|--|------------|--------------------|
| + | — | Signal name | Input/ Output | | | |
| 101 (SB) | Ground | Hydraulic pump relay 1 | Output | [Engine is running] • Hydraulic pump motor (Left rotation) | Active | 12 V |
| | | | | | Inactive | 0 V |
| 102 (P) | Ground | Switching valve 5 | Output | [Engine is running] • Switching valve 5 | Active | 12 V |
| | | | | | Inactive | 0 V |
| 103 (B) | Ground | Hydraulic unit ground | — | — | | — |
| 104 (R) | Ground | Rear window defog- ger power supply | Output | [Engine is running] • Rear window defogger NOTE: Roof is fully closed. | Active | Battery voltage |
| | | | | | Not active | 0 V |
| 111 (R) | Ground | Rear window defog- ger power supply | Output | [Engine is running] • Rear window defogger NOTE: Roof is fully closed. | Active | Battery voltage |
| | | | | | Not active | 0 V |

Fail-safe

INFOID:000000006352187

FAIL-SAFE CONTROL BY DTC

Soft top control unit performs fail-safe control when any of the following DTCs is detected.

| Display contents of CONSULT-III | | Fail-safe | Cancellation |
|------------------------------------|------------------------|--|---|
| U1000 | CAN COMM CIRCUIT | Inhibit soft top operation. | Communication is normal. |
| U1010 | CONTROL UNIT (CAN) | Inhibit soft top operation. | Communication is normal. |
| U0140 | LOCAL COMM-1 | Inhibit soft top operation. | Communication is normal. |
| U0215 | LOCAL COMM-2 | Inhibit soft top operation. | Communication is normal. |
| B1701 | ROOF CONTROL UNIT | Inhibit soft top operation. | Replace soft top control unit. |
| B1702 | ROOF CONTROL UNIT | Inhibit soft top operation. | Replace soft top control unit. |
| B1709 | ROOF SWITCH(OPEN) | Inhibit soft top operation. | Detects roof open/close switch (OPEN) is OFF. |
| B170A | ROOF SWITCH(CLOSE) | Inhibit soft top operation. | Detects roof open/close switch (CLOSE) is OFF. |
| B170F | SENSOR POWER SUPPLY | Inhibit soft top operation. | Detects normal value. |
| B171A | HYDRAULIC PMP(LH) | Inhibit soft top operation. | Detects normal value. |
| B171B | HYDRAULIC PMP(RH) | Inhibit soft top operation. | Detects normal value. |
| B171C | SWITCHING VALVE 1 | Inhibit soft top operation. | Detects normal value. |
| B171D | SWITCHING VALVE 2 | Inhibit soft top operation. | Detects normal value. |
| B172C | ROOF STATE SIG(TRUNK)* | Inhibit soft top operation. | Detects normal value. |
| B1731 | HYDRAULIC STATE 1 | Inhibit soft top operation. | Turn ignition switch OFF. |
| B1758 | THERMO PROTECTION | Inhibit soft top operation. | Turn ignition switch OFF and wait at least 5 minutes. |
| B175C | PWR SOURCE(ROOF) | Inhibit soft top operation. | Power source is 11.4 (V) or more for 0.5 second. |
| B175D | PWR SOURCE(ROOF) | Inhibit soft top operation. | Power source is 14.5 (V) or more for 4 seconds. |
| B175E | PWR SOURCE(WINDOW) | Inhibit soft top operation and rear power window operation. | Power source (power window) is 9.5 (V) or more. |
| B175F | PWR SOURCE(WINDOW) | Inhibit soft top operation and rear power window operation. | Power source (power window) is 15.5 (V) or more. |
| B1766 | SWITCHING VALVE 3 | Inhibit soft top operation. | Detects normal value. |
| B1767 | SWITCHING VALVE 4 | Inhibit soft top operation. | Detects normal value. |

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Display contents of CONSULT-III | | Fail-safe | Cancellation |
|---------------------------------|------------------------|---|---|
| B1768 | SWITCHING VALVE 5 | Inhibit soft top operation. | Detects normal value. |
| B176A | THERMO PROTECTION | Inhibit soft top operation. | Turn ignition switch OFF and wait at least 5 minutes. |
| B176B | ROOF WARNING LAMP | Inhibit soft top operation. | Detects normal value. |
| B176C | STRIKER SENSOR RH | Inhibit soft top operation. | Detects normal value. |
| B176D | STRIKER SENSOR LH | Inhibit soft top operation. | Detects normal value. |
| B176E | ROOF LATCH LOCK SENSOR | Inhibit soft top operation. | Detects normal value. |
| B176F | ROOF STATUS SEN LH | Inhibit soft top operation. | Detects normal value. |
| B1770 | ROOF STATUS SEN RH | Inhibit soft top operation. | Detects normal value. |
| B1771 | ROOF STATUS SEN LH | Inhibit soft top operation. | Detects normal value. |
| B1772 | 5BOW STATUS SEN LH | Inhibit soft top operation. | Detects normal value. |
| B1773 | 5BOW STATUS SEN RH | Inhibit soft top operation. | Detects normal value. |
| B1774 | S/LID STATUS SEN LH | Inhibit soft top operation. | Detects normal value. |
| B1775 | S/LID STATUS SEN RH | Inhibit soft top operation. | Detects normal value. |
| B1776 | S/LID STATUS SEN RH | Inhibit soft top operation. | Detects normal value. |
| B1777 | REAR DEF OUT SIG | Inhibit soft top and rear window defogger operation. | Detects normal value. |
| B1778 | TRUNK OPEN OUT SIG | Inhibit soft top and trunk lid opener actuator operation. | Detects normal value. |
| B1779 | THERMO PROTECTION | Inhibit soft top operation. | Detects normal value. |
| B177A | ROOF STATE INCORRECT | Inhibit soft top operation. | Detects normal value. |
| B177B | ROOF STATE INCORRECT | Inhibit soft top operation. | Detects normal value. |
| B177C | THERMO PROTECTION | Inhibit soft top operation. | Detects normal value. |
| B177D | 5BOW LATCH OPEN SEN | Inhibit soft top operation. | Detects normal value. |
| B177E | 5BOW LATCH CLOSE SEN | Inhibit soft top operation. | Detects normal value. |
| B177F | 5BOW STRIKER SENSOR | Inhibit soft top operation. | Detects normal value. |

*: This item indicates the roof status signal (Audio).

DTC Inspection Priority Chart

INFOID:000000006352188

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

| Priority | Display contents of CONSULT-III | |
|----------|---------------------------------|---------------------|
| 1 | U1000 | CAN COMM CIRCUIT |
| | U1010 | CONTROL UNIT (CAN) |
| | B170F | SENSOR POWER SUPPLY |
| | B175C | PWR SOURCE(ROOF) |
| | B175D | PWR SOURCE(ROOF) |
| | B175E | PWR SOURCE(WINDOW) |
| | B175F | PWR SOURCE(WINDOW) |
| | B1701 | ROOF CONTROL UNIT |
| | B1702 | ROOF CONTROL UNIT |

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Priority | Display contents of CONSULT-III | | |
|----------|---------------------------------|------------------------|---|
| 2 | B1709 | ROOF SWITCH(OPEN) | A |
| | B170A | ROOF SWITCH(CLOSE) | |
| | B176B | ROOF WARNING LAMP | B |
| | B176C | STRIKER SENSOR RH | |
| | B176D | STRIKER SENSOR LH | |
| | B176E | ROOF LATCH LOCK SEN | C |
| | B176F | ROOF STATUS SEN LH | |
| | B1770 | ROOF STATUS SEN RH | |
| | B1771 | ROOF STATUS SEN LH | D |
| | B1772 | 5BOW STATUS SEN LH | |
| | B1773 | 5BOW STATUS SEN RH | E |
| | B1774 | S/LID STATUS SEN LH | |
| | B1775 | S/LID STATUS SEN RH | F |
| | B1776 | S/LID STATUS SEN RH | |
| | B177D | 5BOW LATCH OPEN SEN | |
| | B177E | 5BOW LATCH CLOSE SEN | G |
| | B177F | 5BOW STRIKER SENSOR | |
| 3 | U0140 | LOCAL COMM-1 | H |
| | U0215 | LOCAL COMM-2 | |
| | B171A | HYDRAULIC PMP(LH) | |
| | B171B | HYDRAULIC PMP(RH) | I |
| | B171C | SWITCHING VALVE 1 | |
| | B171D | SWITCHING VALVE 2 | |
| | B172C | ROOF STATE SIG(TRUNK)* | J |
| | B1731 | HYDRAULIC STATE 1 | |
| | B1758 | THERMO PROTECTION | K |
| | B1766 | SWITCHING VALVE 3 | |
| | B1767 | SWITCHING VALVE 4 | |
| | B1768 | SWITCHING VALVE 5 | |
| | B176A | THERMO PROTECTION | |
| | B1777 | REAR DEF OUT SIG | M |
| | B1778 | TRUNK OPEN OUT SIG | |
| | B1779 | THERMO PROTECTION | |
| | B177A | ROOF STATE INCORRECT | N |
| | B177B | ROOF STATE INCORRECT | |
| | B177C | THERMO PROTECTION | O |

*: This item indicates the roof status signal (Audio).

DTC Index

INFOID:000000006352189

NOTE:

For details of Freeze Frame Data, refer to [RF-29, "CONSULT-III Function"](#).

| Display contents of CONSULT-III | | Fail-safe | Freeze Frame Data | Reference page |
|--|------------------|-----------|-------------------|-----------------------|
| No DTC is detected. Further testing may be required. | | — | — | — |
| U1000 | CAN COMM CIRCUIT | × | × | RF-70 |

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

| Display contents of CONSULT-III | | Fail-safe | Freeze Frame Data | Reference page |
|------------------------------------|------------------------|-----------|----------------------|------------------------|
| U1010 | CONTROL UNIT (CAN) | × | × | RF-71 |
| U0140 | LOCAL COMM-1 | × | × | RF-72 |
| U0215 | LOCAL COMM-2 | × | × | RF-73 |
| B1701 | ROOF CONTROL UNIT | × | × | RF-75 |
| B1702 | ROOF CONTROL UNIT | × | × | RF-76 |
| B1709 | ROOF SWITCH-OPEN | × | × | RF-77 |
| B170A | ROOF SWITCH-CLOSE | × | × | RF-79 |
| B170F | SENSOR POWER SUPPLY | × | × | RF-81 |
| B171A | HYDRAULIC PMP(LH) | × | × | RF-84 |
| B171B | HYDRAULIC PMP(RH) | × | × | RF-87 |
| B171C | SWITCHING VALVE 1 | × | × | RF-90 |
| B171D | SWITCHING VALVE 2 | × | × | RF-92 |
| B172C | ROOF STATE SIG(TRUNK)* | × | × | RF-94 |
| B1731 | HYDRAULIC STATE 1 | × | × | RF-96 |
| B1758 | THERMO PROTECTION | × | × | RF-97 |
| B175C | PWR SOURCE(ROOF) | × | × | RF-98 |
| B175D | PWR SOURCE(ROOF) | × | × | RF-99 |
| B175E | PWR SOURCE(WINDOW) | × | × | RF-100 |
| B175F | PWR SOURCE(WINDOW) | × | × | RF-102 |
| B1766 | SWITCHING VALVE 3 | × | × | RF-104 |
| B1767 | SWITCHING VALVE 4 | × | × | RF-106 |
| B1768 | SWITCHING VALVE 5 | × | × | RF-108 |
| B176A | THERMO PROTECTION | × | × | RF-110 |
| B176B | ROOF WARNING LAMP | × | × | RF-111 |
| B176C | STRIKER SENSOR RH | × | × | RF-113 |
| B176D | STRIKER SENSOR LH | × | × | RF-115 |
| B176E | ROOF LATCH LOCK SEN | × | × | RF-117 |
| B176F | ROOF STATUS SEN LH | × | × | RF-119 |
| B1770 | ROOF STATUS SEN RH | × | × | RF-121 |
| B1771 | ROOF STATUS SEN LH | × | × | RF-123 |
| B1772 | 5BOW STATUS SEN LH | × | × | RF-125 |
| B1773 | 5BOW STATUS SEN RH | × | × | RF-127 |
| B1774 | S/LID STATUS SEN LH | × | × | RF-129 |
| B1775 | S/LID STATUS SEN RH | × | × | RF-131 |
| B1776 | S/LID STATUS SEN RH | × | × | RF-133 |
| B1777 | REAR DEF OUT SIG | × | × | RF-135 |
| B1778 | TRUNK OPEN OUT SIG | × | × | RF-136 |
| B1779 | THERMO PROTECTION | × | × | RF-138 |
| B177A | ROOF STATE INCORRECT | × | × | RF-140 |
| B177B | ROOF STATE INCORRECT | × | × | RF-141 |
| B177C | THERMO PROTECTION | × | × | RF-142 |
| B177D | 5BOW LATCH OPEN SEN | × | × | RF-143 |
| B177E | 5BOW LATCH CLOSE SEN | × | × | RF-145 |
| B177F | 5BOW STRIKER SENSOR | × | × | RF-147 |

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

*: This item indicates the roof status signal (Audio).

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REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

< SYMPTOM DIAGNOSIS >

[ROADSTER]

SYMPTOM DIAGNOSIS

REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

Diagnosis Procedure

INFOID:000000006352190

1.CHECK POWER SUPPLY AND GROUND CIRCUIT

Check power supply and ground circuit.

Refer to [DEF-96, "BCM : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK REAR WINDOW DEFOGGER SWITCH

Check rear window defogger switch.

• With Navigation: Refer to [DEF-97, "WITH NAVIGATION : Component Function Check"](#).

• Without Navigation: Refer to [DEF-97, "WITHOUT NAVIGATION : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Refer to [DEF-99, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

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

< SYMPTOM DIAGNOSIS >

[ROADSTER]

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

Diagnosis Procedure

INFOID:000000006352191

1.CHECK SOFT TOP CONTROL UNIT CIRCUIT

Check soft top control unit circuit.

Refer to [DEF-101, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK REAR WINDOW DEFOGGER

Check rear window defogger.

Refer to [DEF-103, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CONFIRM THE OPERATION

Confirm the operation again

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

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DOOR MIRROR DEFOGGER DOES NOT OPERATE BUT REAR WINDOW DEFOGGER OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

DOOR MIRROR DEFOGGER DOES NOT OPERATE BUT REAR WINDOW DEFOGGER OPERATE BOTH SIDES

BOTH SIDES : Diagnosis Procedure

INFOID:000000006352192

1.CHECK DOOR MIRROR DEFOGGER

Check door mirror defogger.

Refer to [DEF-106, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

DRIVER SIDE

DRIVER SIDE : Diagnosis Procedure

INFOID:000000006352193

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

Check driver side door mirror defogger.

Refer to [DEF-107, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

PASSENGER SIDE

PASSENGER SIDE : Diagnosis Procedure

INFOID:000000006352194

1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER.

Check passenger side door mirror defogger.

Refer to [DEF-109, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT OPERATES

< SYMPTOM DIAGNOSIS >

[ROADSTER]

ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT OPERATES

Diagnosis Procedure

INFOID:0000000006352195

1.CHECK AV CONTROL FUNCTION

Check that the AV control unit is operating normally. Refer to [AV-200, "Work Flow"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

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REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE WITH NAVIGATION

WITH NAVIGATION : Diagnosis Procedure

INFOID:000000006352196

1.CHECK REAR WINDOW DEFOGGER OPERATION

Check rear window defogger operation.

Is the inspection result normal?

YES >> Check AV control system. Refer to [AV-200. "Work Flow"](#).

NO >> Check rear window defogger system. Refer to [DEF-88. "Work Flow"](#).

WITHOUT NAVIGATION

WITHOUT NAVIGATION : Diagnosis Procedure

INFOID:000000006352197

1.CHECK A/C CONTROL FUNCTION

Check that the A/C control is operating normally.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check A/C control system. Refer to [HAC-5. "Work Flow"](#).

2.CHECK REAR WINDOW DEFOGGER ON SIGNAL

Check rear window defogger ON signal.

Refer to [DEF-105. "Component Function Check"](#).

Is the inspection result normal?

YES >> Replace A/C control (rear window defogger switch). Refer to [HAC-82. "BASE AUDIO : Removal and Installation"](#) (Base audio) or [HAC-83. "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#) (Bose audio without navigation).

NO >> Repair or replace the malfunctioning parts.

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

FOR USA AND CANADA : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000006352198

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 seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".
- Never 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:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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 3 minutes before performing any service.

FOR MEXICO

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

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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. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".
- Never 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:

PRECAUTIONS

< PRECAUTION >

[ROADSTER]

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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 3 minutes before performing any service.

REMOVAL AND INSTALLATION

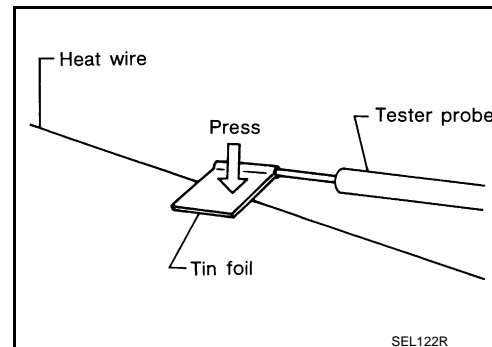
FILAMENT

Inspection and Repair

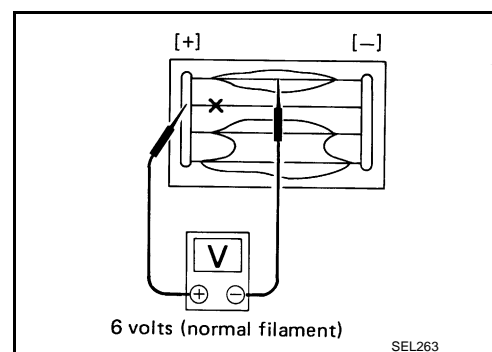
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INSPECTION

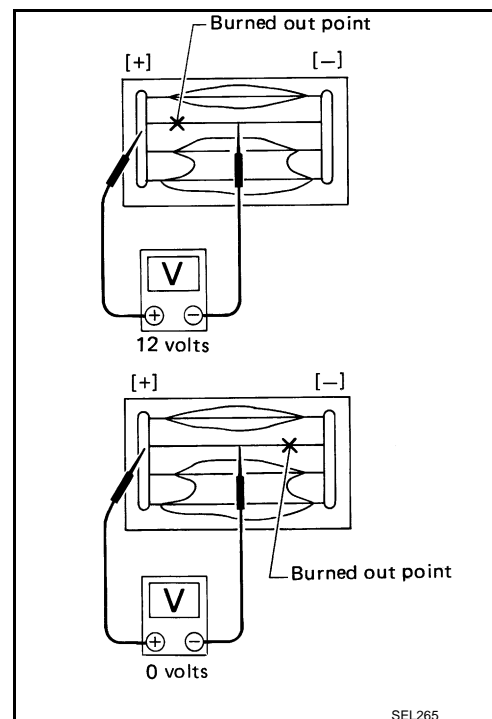
1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.



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 swings abruptly when probe passes the point.



REPAIR

REPAIR EQUIPMENT

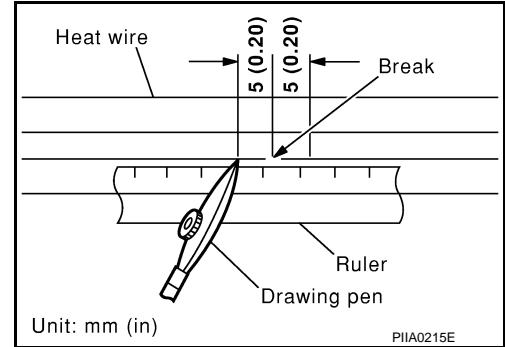
- Conductive silver composition (Dupont No. 4817 or an equivalent)

< REMOVAL AND INSTALLATION >

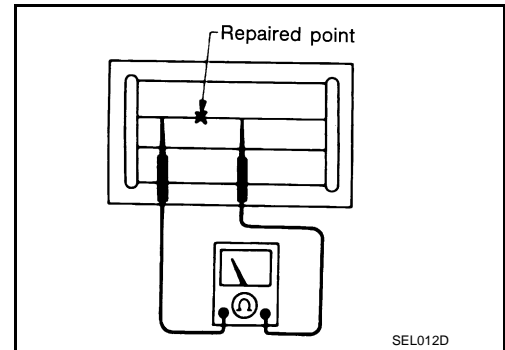
- Ruler 30 cm (11.8 in) long
- Drawing pen
- Heat gun
- Alcohol
- Cloth

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. 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 complete, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited.
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.
If a heat gun is not available, let the repaired area dry for 24 hours.

