

# SECTION **SRC**

## SRS AIRBAG CONTROL SYSTEM

### CONTENTS

|                                                 |           |                                                 |           |
|-------------------------------------------------|-----------|-------------------------------------------------|-----------|
| <b>BASIC INSPECTION .....</b>                   | <b>5</b>  | <b>B1024 PASS A/B DEACT SW .....</b>            | <b>26</b> |
| <b>DIAGNOSIS AND REPAIR WORK FLOW .....</b>     | <b>5</b>  | Description .....                               | 26        |
| Work Flow .....                                 | 5         | DTC Logic .....                                 | 26        |
| <b>FUNCTION DIAGNOSIS .....</b>                 | <b>7</b>  | Diagnosis Procedure (Component diagnosis) ..... | 27        |
| <b>SRS AIR BAG SYSTEM .....</b>                 | <b>7</b>  | <b>B1026, B1027, B1028, B1029, B1030, B1031</b> |           |
| System Diagram .....                            | 7         | <b>DIAGNOSIS SENSOR UNIT .....</b>              | <b>29</b> |
| System Description .....                        | 7         | Description .....                               | 29        |
| Component Parts Location .....                  | 8         | DTC Logic .....                                 | 29        |
| Component Description .....                     | 9         | Diagnosis Procedure (Component diagnosis) ..... | 30        |
| <b>DIAGNOSIS SYSTEM (AIRBAG) .....</b>          | <b>10</b> | <b>B1033, B1034 CRASH ZONE SEN .....</b>        | <b>32</b> |
| Diagnosis Description .....                     | 10        | Description .....                               | 32        |
| CONSULT-III Function .....                      | 12        | DTC Logic .....                                 | 32        |
| <b>COMPONENT DIAGNOSIS .....</b>                | <b>14</b> | Diagnosis Procedure (Component diagnosis) ..... | 33        |
| <b>B1001, B1002, B1003, B1004, B1005 DIAG-</b>  |           | <b>B1035 CRASH ZONE SEN .....</b>               | <b>35</b> |
| <b>NOSIS SENSOR UNIT .....</b>                  | <b>14</b> | Description .....                               | 35        |
| Description .....                               | 14        | DTC Logic .....                                 | 35        |
| DTC Logic .....                                 | 14        | Diagnosis Procedure (Component diagnosis) ..... | 36        |
| Diagnosis Procedure (Component diagnosis) ..... | 15        | <b>B1042, B1043, B1044, B1045, B1046, B1047</b> |           |
| <b>B1006, B1007, B1008, B1009, B1010 DIAG-</b>  |           | <b>DIAGNOSIS SENSOR UNIT .....</b>              | <b>38</b> |
| <b>NOSIS SENSOR UNIT .....</b>                  | <b>17</b> | Description .....                               | 38        |
| Description .....                               | 17        | DTC Logic .....                                 | 38        |
| DTC Logic .....                                 | 17        | Diagnosis Procedure (Component diagnosis) ..... | 39        |
| Diagnosis Procedure (Component diagnosis) ..... | 18        | <b>B1054 DRIVER AIRBAG MODULE .....</b>         | <b>41</b> |
| <b>B1011, B1012, B1013, B1014, B1015 DIAG-</b>  |           | Description .....                               | 41        |
| <b>NOSIS SENSOR UNIT .....</b>                  | <b>20</b> | DTC Logic .....                                 | 41        |
| Description .....                               | 20        | Diagnosis Procedure (Component diagnosis) ..... | 42        |
| DTC Logic .....                                 | 20        | <b>B1055 DRIVER AIRBAG MODULE .....</b>         | <b>44</b> |
| Diagnosis Procedure (Component diagnosis) ..... | 21        | Description .....                               | 44        |
| <b>B1023 PASS A/B INDCTR CKT .....</b>          | <b>23</b> | DTC Logic .....                                 | 44        |
| Description .....                               | 23        | Diagnosis Procedure (Component diagnosis) ..... | 45        |
| DTC Logic .....                                 | 23        | <b>B1056 DRIVER AIRBAG MODULE .....</b>         | <b>47</b> |
| Diagnosis Procedure (Component diagnosis) ..... | 24        | Description .....                               | 47        |
|                                                 |           | DTC Logic .....                                 | 47        |
|                                                 |           | Diagnosis Procedure (Component diagnosis) ..... | 48        |

|                                                 |           |                                                 |            |
|-------------------------------------------------|-----------|-------------------------------------------------|------------|
| <b>B1057 DRIVER AIRBAG MODULE .....</b>         | <b>50</b> | <b>B1087 PRE-TEN FRONT LH .....</b>             | <b>86</b>  |
| Description .....                               | 50        | Description .....                               | 86         |
| DTC Logic .....                                 | 50        | DTC Logic .....                                 | 86         |
| Diagnosis Procedure (Component diagnosis) ..... | 51        | Diagnosis Procedure (Component diagnosis) ..... | 87         |
| <b>B1058, B1059, B1060, B1061, B1062, B1063</b> |           | <b>B1088 PRE-TEN FRONT LH .....</b>             | <b>89</b>  |
| <b>DIAGNOSIS SENSOR UNIT .....</b>              | <b>53</b> | Description .....                               | 89         |
| Description .....                               | 53        | DTC Logic .....                                 | 89         |
| DTC Logic .....                                 | 53        | Diagnosis Procedure (Component diagnosis) ..... | 90         |
| Diagnosis Procedure (Component diagnosis) ..... | 54        | <b>B1089 PRE-TEN FRONT LH .....</b>             | <b>92</b>  |
| <b>B1070 ASSIST A/B MODULE .....</b>            | <b>56</b> | Description .....                               | 92         |
| Description .....                               | 56        | DTC Logic .....                                 | 92         |
| DTC Logic .....                                 | 56        | Diagnosis Procedure (Component diagnosis) ..... | 93         |
| Diagnosis Procedure (Component diagnosis) ..... | 57        | <b>B1106, B1107, B1108, B1109, B1110, B1111</b> |            |
| <b>B1071 ASSIST A/B MODULE .....</b>            | <b>59</b> | <b>DIAGNOSIS SENSOR UNIT .....</b>              | <b>95</b>  |
| Description .....                               | 59        | Description .....                               | 95         |
| DTC Logic .....                                 | 59        | DTC Logic .....                                 | 95         |
| Diagnosis Procedure (Component diagnosis) ..... | 60        | Diagnosis Procedure (Component diagnosis) ..... | 96         |
| <b>B1072 ASSIST A/B MODULE .....</b>            | <b>62</b> | <b>B1113, B1114 SATELLITE SENS RH .....</b>     | <b>98</b>  |
| Description .....                               | 62        | Description .....                               | 98         |
| DTC Logic .....                                 | 62        | DTC Logic .....                                 | 98         |
| Diagnosis Procedure (Component diagnosis) ..... | 63        | Diagnosis Procedure (Component diagnosis) ..... | 99         |
| <b>B1073 ASSIST A/B MODULE .....</b>            | <b>65</b> | <b>B1115 SATELLITE SENS RH .....</b>            | <b>101</b> |
| Description .....                               | 65        | Description .....                               | 101        |
| DTC Logic .....                                 | 65        | DTC Logic .....                                 | 101        |
| Diagnosis Procedure (Component diagnosis) ..... | 66        | Diagnosis Procedure (Component diagnosis) ..... | 102        |
| <b>B1074, B1075, B1076, B1077, B1078, B1079</b> |           | <b>B1118, B1119 SATELLITE SENS LH .....</b>     | <b>104</b> |
| <b>DIAGNOSIS SENSOR UNIT .....</b>              | <b>68</b> | Description .....                               | 104        |
| Description .....                               | 68        | DTC Logic .....                                 | 104        |
| DTC Logic .....                                 | 68        | Diagnosis Procedure (Component diagnosis) ..... | 105        |
| Diagnosis Procedure (Component diagnosis) ..... | 69        | <b>B1120 SATELLITE SENS LH .....</b>            | <b>107</b> |
| <b>B1081 PRE-TEN FRONT RH .....</b>             | <b>71</b> | Description .....                               | 107        |
| Description .....                               | 71        | DTC Logic .....                                 | 107        |
| DTC Logic .....                                 | 71        | Diagnosis Procedure (Component diagnosis) ..... | 108        |
| Diagnosis Procedure (Component diagnosis) ..... | 72        | <b>B1122, B1123, B1124, B1125, B1126, B1127</b> |            |
| <b>B1082 PRE-TEN FRONT RH .....</b>             | <b>74</b> | <b>DIAGNOSIS SENSOR UNIT .....</b>              | <b>110</b> |
| Description .....                               | 74        | Description .....                               | 110        |
| DTC Logic .....                                 | 74        | DTC Logic .....                                 | 110        |
| Diagnosis Procedure (Component diagnosis) ..... | 75        | Diagnosis Procedure (Component diagnosis) ..... | 111        |
| <b>B1083 PRE-TEN FRONT RH .....</b>             | <b>77</b> | <b>B1129 SIDE MODULE RH .....</b>               | <b>113</b> |
| Description .....                               | 77        | Description .....                               | 113        |
| DTC Logic .....                                 | 77        | DTC Logic .....                                 | 113        |
| Diagnosis Procedure (Component diagnosis) ..... | 78        | Diagnosis Procedure (Component diagnosis) ..... | 114        |
| <b>B1084 PRE-TEN FRONT RH .....</b>             | <b>80</b> | <b>B1130 SIDE MODULE RH .....</b>               | <b>116</b> |
| Description .....                               | 80        | Description .....                               | 116        |
| DTC Logic .....                                 | 80        | DTC Logic .....                                 | 116        |
| Diagnosis Procedure (Component diagnosis) ..... | 81        | Diagnosis Procedure (Component diagnosis) ..... | 117        |
| <b>B1086 PRE-TEN FRONT LH .....</b>             | <b>83</b> | <b>B1131 SIDE MODULE RH .....</b>               | <b>119</b> |
| Description .....                               | 83        | Description .....                               | 119        |
| DTC Logic .....                                 | 83        | DTC Logic .....                                 | 119        |
| Diagnosis Procedure (Component diagnosis) ..... | 84        | Diagnosis Procedure (Component diagnosis) ..... | 120        |

|                                                 |            |                                                 |            |
|-------------------------------------------------|------------|-------------------------------------------------|------------|
| <b>B1132 SIDE MODULE RH</b> .....               | <b>122</b> | Description .....                               | 158        |
| Description .....                               | 122        | DTC Logic .....                                 | 158        |
| DTC Logic .....                                 | 122        | Diagnosis Procedure (Component diagnosis) ....  | 159        |
| Diagnosis Procedure (Component diagnosis) ...   | 123        |                                                 |            |
| <b>B1134 SIDE MODULE LH</b> .....               | <b>125</b> | <b>B1153 CURTAIN MODULE LH</b> .....            | <b>161</b> |
| Description .....                               | 125        | Description .....                               | 161        |
| DTC Logic .....                                 | 125        | DTC Logic .....                                 | 161        |
| Diagnosis Procedure (Component diagnosis) ...   | 126        | Diagnosis Procedure (Component diagnosis) ....  | 162        |
| <b>B1135 SIDE MODULE LH</b> .....               | <b>128</b> | <b>B1170, B1171, B1172, B1173, B1174, B1175</b> |            |
| Description .....                               | 128        | <b>DIAGNOSIS SENSOR UNIT</b> .....              | <b>164</b> |
| DTC Logic .....                                 | 128        | Description .....                               | 164        |
| Diagnosis Procedure (Component diagnosis) ...   | 129        | DTC Logic .....                                 | 164        |
| <b>B1136 SIDE MODULE LH</b> .....               | <b>131</b> | Diagnosis Procedure (Component diagnosis) ....  | 165        |
| Description .....                               | 131        | <b>B1177 PRE-TEN2 FRONT RH</b> .....            | <b>167</b> |
| DTC Logic .....                                 | 131        | Description .....                               | 167        |
| Diagnosis Procedure (Component diagnosis) ...   | 132        | DTC Logic .....                                 | 167        |
| <b>B1137 SIDE MODULE LH</b> .....               | <b>134</b> | Diagnosis Procedure (Component diagnosis) ....  | 168        |
| Description .....                               | 134        | <b>B1178 PRE-TEN2 FRONT RH</b> .....            | <b>170</b> |
| DTC Logic .....                                 | 134        | Description .....                               | 170        |
| Diagnosis Procedure (Component diagnosis) ...   | 135        | DTC Logic .....                                 | 170        |
| <b>B1138, B1139, B1140, B1141, B1142, B1143</b> |            | Diagnosis Procedure (Component diagnosis) ....  | 171        |
| <b>DIAGNOSIS SENSOR UNIT</b> .....              | <b>137</b> | <b>B1179 PRE-TEN2 FRONT RH</b> .....            | <b>173</b> |
| Description .....                               | 137        | Description .....                               | 173        |
| DTC Logic .....                                 | 137        | DTC Logic .....                                 | 173        |
| Diagnosis Procedure (Component diagnosis) ...   | 138        | Diagnosis Procedure (Component diagnosis) ....  | 174        |
| <b>B1145 CURTAIN MODULE RH</b> .....            | <b>140</b> | <b>B1180 PRE-TEN2 FRONT RH</b> .....            | <b>176</b> |
| Description .....                               | 140        | Description .....                               | 176        |
| DTC Logic .....                                 | 140        | DTC Logic .....                                 | 176        |
| Diagnosis Procedure (Component diagnosis) ...   | 141        | Diagnosis Procedure (Component diagnosis) ....  | 177        |
| <b>B1146 CURTAIN MODULE RH</b> .....            | <b>143</b> | <b>B1182 PRE-TEN2 FRONT LH</b> .....            | <b>179</b> |
| Description .....                               | 143        | Description .....                               | 179        |
| DTC Logic .....                                 | 143        | DTC Logic .....                                 | 179        |
| Diagnosis Procedure (Component diagnosis) ...   | 144        | Diagnosis Procedure (Component diagnosis) ....  | 180        |
| <b>B1147 CURTAIN MODULE RH</b> .....            | <b>146</b> | <b>B1183 PRE-TEN2 FRONT LH</b> .....            | <b>182</b> |
| Description .....                               | 146        | Description .....                               | 182        |
| DTC Logic .....                                 | 146        | DTC Logic .....                                 | 182        |
| Diagnosis Procedure (Component diagnosis) ...   | 147        | Diagnosis Procedure (Component diagnosis) ....  | 183        |
| <b>B1148 CURTAIN MODULE RH</b> .....            | <b>149</b> | <b>B1184 PRE-TEN2 FRONT LH</b> .....            | <b>185</b> |
| Description .....                               | 149        | Description .....                               | 185        |
| DTC Logic .....                                 | 149        | DTC Logic .....                                 | 185        |
| Diagnosis Procedure (Component diagnosis) ...   | 150        | Diagnosis Procedure (Component diagnosis) ....  | 186        |
| <b>B1150 CURTAIN MODULE LH</b> .....            | <b>152</b> | <b>B1185 PRE-TEN2 FRONT LH</b> .....            | <b>188</b> |
| Description .....                               | 152        | Description .....                               | 188        |
| DTC Logic .....                                 | 152        | DTC Logic .....                                 | 188        |
| Diagnosis Procedure (Component diagnosis) ...   | 153        | Diagnosis Procedure (Component diagnosis) ....  | 189        |
| <b>B1151 CURTAIN MODULE LH</b> .....            | <b>155</b> | <b>B1202, B1203, B1204, B1205, B1206, B1207</b> |            |
| Description .....                               | 155        | <b>DIAGNOSIS SENSOR UNIT</b> .....              | <b>191</b> |
| DTC Logic .....                                 | 155        | Description .....                               | 191        |
| Diagnosis Procedure (Component diagnosis) ...   | 156        | DTC Logic .....                                 | 191        |
| <b>B1152 CURTAIN MODULE LH</b> .....            | <b>158</b> | Diagnosis Procedure (Component diagnosis) ....  | 192        |
|                                                 |            | <b>B1209 FRONTAL COLLISION DETECTION ..</b>     | <b>194</b> |

|                                                |            |
|------------------------------------------------|------------|
| Description .....                              | 194        |
| DTC Logic .....                                | 194        |
| Diagnosis Procedure (Component diagnosis) .... | 194        |
| <b>B1210 SIDE COLLISION DETECTION .....</b>    | <b>196</b> |
| Description .....                              | 196        |
| DTC Logic .....                                | 196        |
| Diagnosis Procedure (Component diagnosis) .... | 196        |
| <b>ECU DIAGNOSIS .....</b>                     | <b>198</b> |
| <b>DIAGNOSIS SENSOR UNIT .....</b>             | <b>198</b> |
| DTC Index .....                                | 198        |
| Wiring Diagram - SRS AIR BAG CONTROL SYS-      |            |
| TEM - .....                                    | 206        |

|                                              |            |
|----------------------------------------------|------------|
| <b>SYMPTOM DIAGNOSIS .....</b>               | <b>220</b> |
| <b>SRS AIR BAG SYSTEM .....</b>              | <b>220</b> |
| Symptom Table .....                          | 220        |
| <b>PRECAUTION .....</b>                      | <b>222</b> |
| <b>PRECAUTIONS .....</b>                     | <b>222</b> |
| Precaution for Supplemental Restraint System |            |
| (SRS) "AIR BAG" and "SEAT BELT PRE-TEN-      |            |
| SIONER" .....                                | 222        |
| Service .....                                | 222        |

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

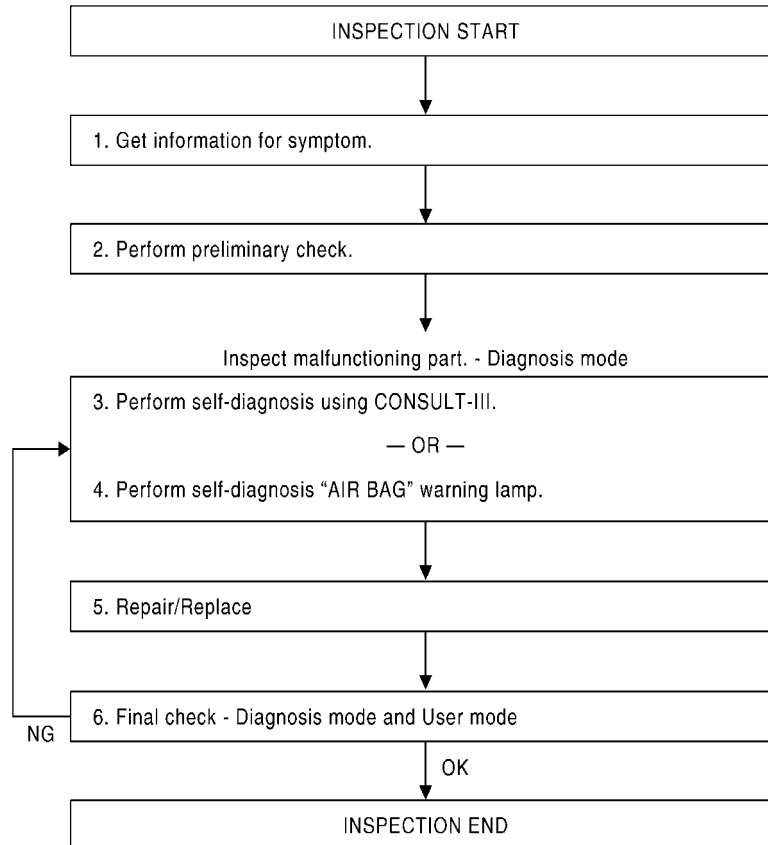
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000001069737

OVERALL SEQUENCE



JM/HIA0027GB

# DIAGNOSIS AND REPAIR WORK FLOW

## < BASIC INSPECTION >

---

### DETAILED FLOW

#### 1.GET INFORMATION FOR SYMPTOM

---

Get the detailed information from the customer about the symptom.

>> GO TO 2.

#### 2.PERFORM PRELIMINARY CHECK

---

At the beginning of inspection, confirm the condition of power supply circuit, check that the battery is charged and fuses and fusible links are not blown.

Is power supply circuit normal?

YES >> GO TO 3.

NO >> Repair or replace the battery and fuse/fusible links.

#### 3.PERFORM SELF-DIAGNOSIS USING "CONSULT-III" (WITH CONSULT-III)

---

Is malfunctioning part displayed on CONSULT-III?

YES >> GO TO 4.

NO >> Repeat DTC confirmation with diagnostic procedure.

#### 4.PERFORM SELF-DIAGNOSIS "AIR BAG" WARNING LAMP (WITHOUT CONSULT-III)

---

Is malfunctioning part detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

#### 5.REPAIR OR REPLACE

---

Repair or replace the malfunctioning part.

After the malfunctioning is repaired, erase the self-diagnostic result. Refer to [SRC-10, "Diagnosis Description"](#).

>> GO TO 6.

#### 6.FINAL CHECK-DIAGNOSIS MODE AND USER MODE

---

Does any symptom reappear again?

YES >> GO TO 3 or GO TO 4.

NO >> **INSPECTION END.**

# SRS AIR BAG SYSTEM

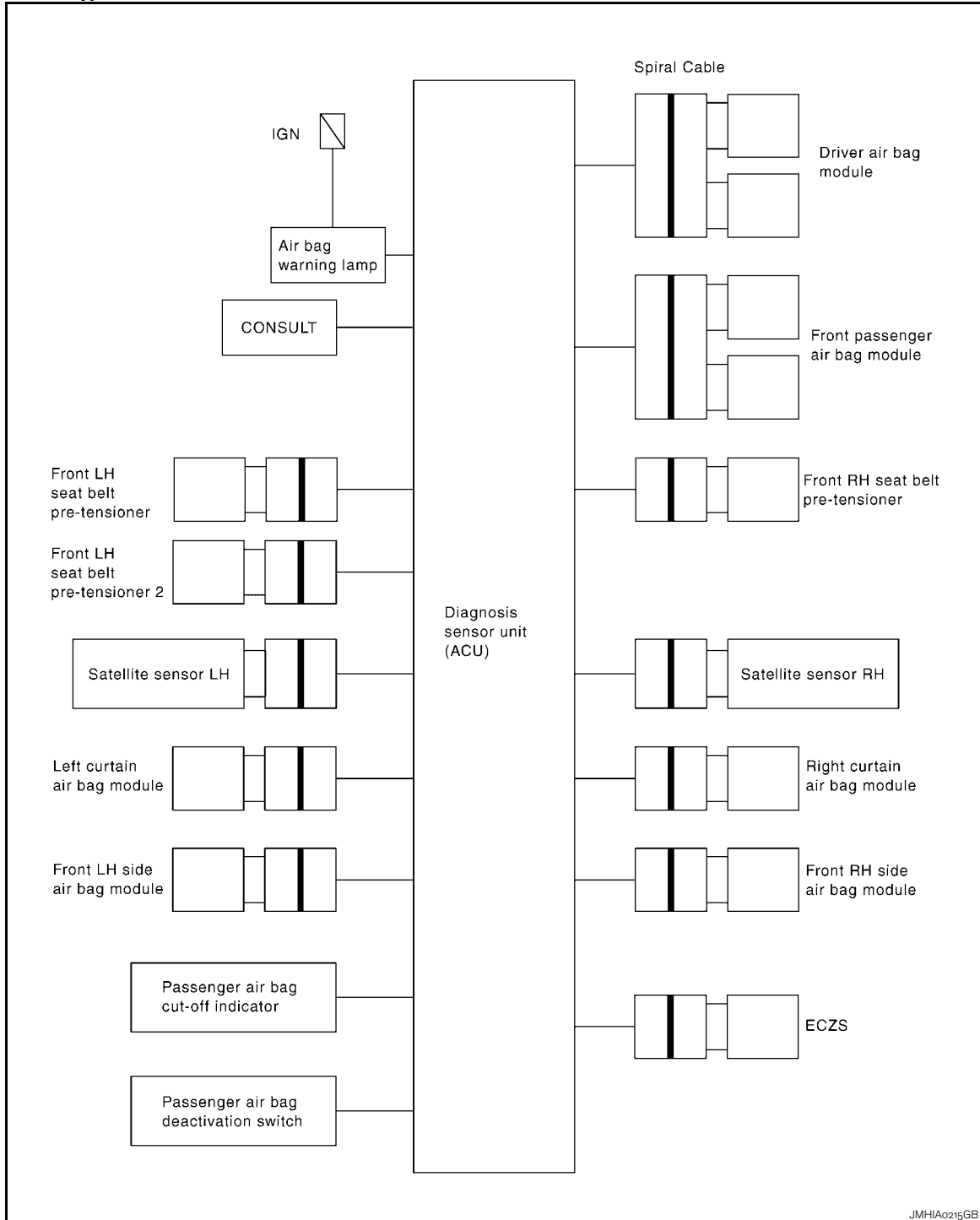
< FUNCTION DIAGNOSIS >

## FUNCTION DIAGNOSIS

### SRS AIR BAG SYSTEM

#### System Diagram

INFOID:000000001069738



#### System Description

INFOID:000000001069739

This SRS Air Bag System has the following function.

1. Detect crash and supply the energy for deploying air bag and seat belt pre-tensioner.
2. Detect electrical trouble in air bag system and seat belt pre-tensioner system, record trouble code, and blinking air bag warning lamp.

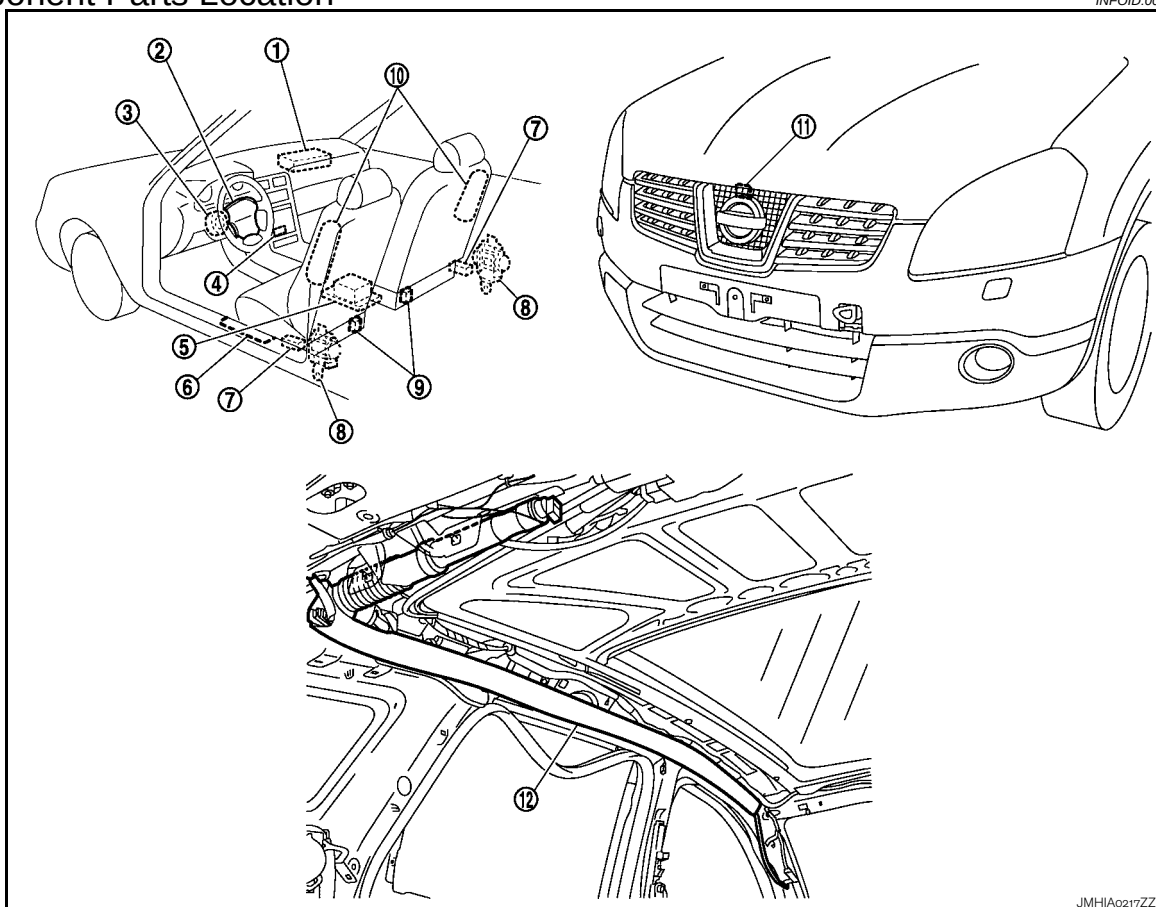
## SRS AIR BAG SYSTEM

### < FUNCTION DIAGNOSIS >

3. Detect and record the deployment of air bag and seat belt pre-tensioner, and turn on air bag warning lamp.
4. Indicate malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
5. Indicate the malfunctioning record by CONSULT-III.

### Component Parts Location

INFOID:000000001069740



JMHI/A0217ZZ

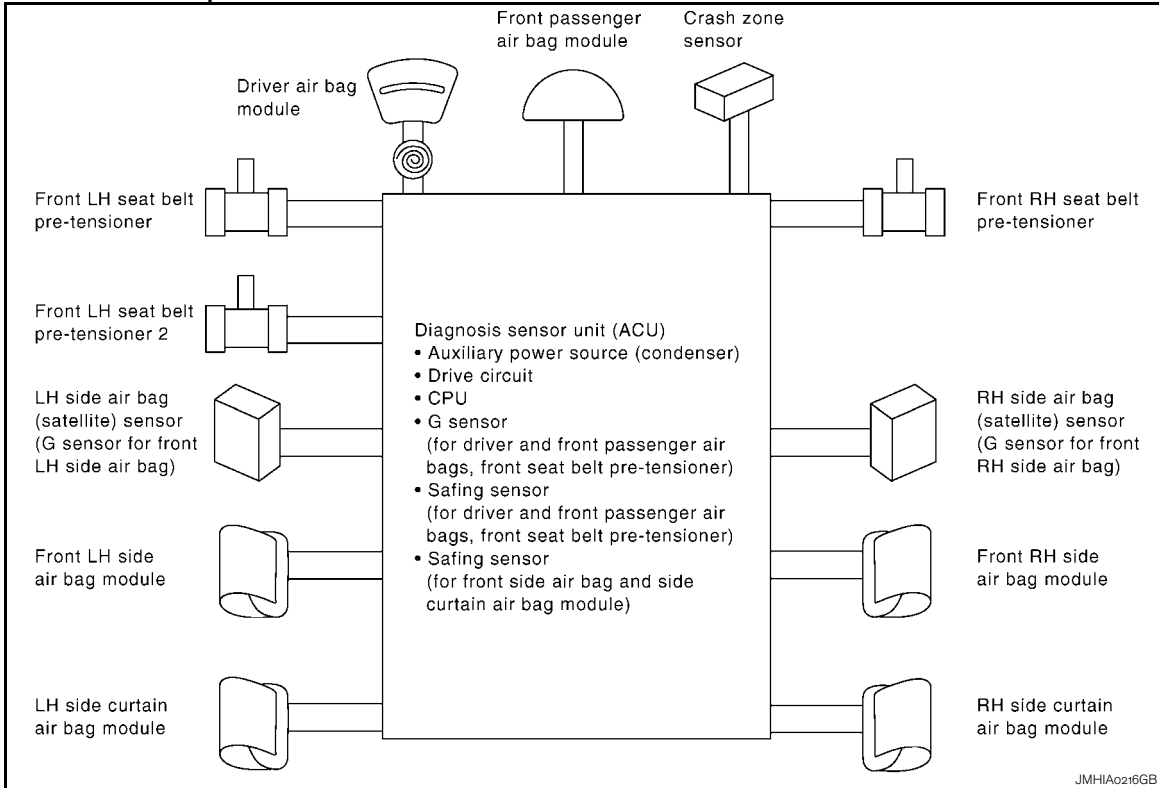
- |                                            |                                          |                                         |
|--------------------------------------------|------------------------------------------|-----------------------------------------|
| 1. Front passenger air bag module          | 2. Driver air bag module                 | 3. Spiral cable                         |
| 4. Passenger air bag cut-off indicator     | 5. Diagnosis sensor unit (ACU)           | 6. Front seat belt pre-tensioner2       |
| 7. Side air bag (satellite) sensor (LH/RH) | 8. Front seat belt pre-tensioner (LH/RH) | 9. Seat belt buckle switch (LH/RH)      |
| 10. Front side air bag module (LH/RH)      | 11. Crash zone sensor                    | 12. Side curtain air bag module (LH/RH) |

# SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

## Component Description

INFOID:000000001069741



- Air bag sensor are prepared for operation while the ignition switch is in the ON or START position.
- The operation of supplemental restraint system is different from collision modes application. For example the driver air bag module and front passenger air bag module are activated in a frontal collision but not in a side collision.
- SRS configurations which are activated for some collision modes are as follows;

| SRS configuration                                                   | Frontal collision | Left side collision | Right side collision |
|---------------------------------------------------------------------|-------------------|---------------------|----------------------|
| Driver air bag module. Refer to <a href="#">SRC-194</a>             | ×                 | —                   | —                    |
| Front passenger air bag module. Refer to <a href="#">SRC-194</a>    | ×                 | —                   | —                    |
| Front LH seat belt pre-tensioner. Refer to <a href="#">SRC-194</a>  | ×                 | —                   | —                    |
| Front RH seat belt pre-tensioner. Refer to <a href="#">SRC-194</a>  | ×                 | —                   | —                    |
| Front LH seat belt pre-tensioner2. Refer to <a href="#">SRC-194</a> | ×                 | —                   | —                    |
| Front LH side air bag module. Refer to <a href="#">SRC-196</a>      | —                 | ×                   | —                    |
| Front RH side air bag module. Refer to <a href="#">SRC-196</a>      | —                 | —                   | ×                    |
| LH side curtain air bag module. Refer to <a href="#">SRC-196</a>    | —                 | ×                   | —                    |
| RH side curtain air bag module. Refer to <a href="#">SRC-196</a>    | —                 | —                   | ×                    |

×: Application, —: Not application

# DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

## DIAGNOSIS SYSTEM (AIRBAG)

### Diagnosis Description

INFOID:000000001069750

#### CAUTION:

- Do not use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
- Do not repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.
- Keep ground portion clean.

### DIAGNOSIS FUNCTION

- The SRS self-diagnosis results can be read by using "AIR BAG" warning lamp and/or CONSULT-III.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the "AIR BAG" warning lamp.
- The diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the "AIR BAG" warning lamp and CONSULT-III are as follows:

|                        | User mode | Diagnosis mode | Display type     |
|------------------------|-----------|----------------|------------------|
| "AIR BAG" warning lamp | X         | X              | ON-OFF operation |
| CONSULT-III            | —         | X              | Monitoring       |

### HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate. In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

#### Information from Customer

- WHAT..... Vehicle model
- WHEN..... Date, Frequencies
- WHERE..... Road conditions
- HOW..... Operating conditions, Symptoms

#### Preliminary Check

Check that the following parts are in good order.

- Battery (Refer to [PG-3, "How to Handle Battery".](#))
- Fuse (Refer to [PG-71, "Fuse".](#))
- System component-to-harness connections

### HOW TO ERASE SELF-DIAGNOSTIC RESULTS (With CONSULT-III)

- "SELF-DIAG [CURRENT]"

A current self-diagnosis result is displayed on CONSULT-III screen in real time.

After the malfunction is repaired completely, no malfunction is detected on "SELF-DIAG [CURRENT]".

- "SELF-DIAG [PAST]"

Return to "SELF-DIAG [CURRENT]"CONSULT-III screen by touching "BACK" key of CONSULT-III and select "SELF-DIAG [CURRENT]" in SELECT DIAG MODE. Touch "ERASE" in "SELF-DIAG [CURRENT]" mode.

#### NOTE:

If the memory of the malfunction in "SELF-DIAG [PAST]" is not erased, the user mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.

- "TROUBLE DIAG RECORD"

The memory of "TROUBLE DIAG RECORD" cannot be erased.

### HOW TO ERASE SELF-DIAGNOSTIC RESULTS (Without CONSULT-III)

After a malfunction is repaired, turn the ignition switch OFF for at least one second, then turn ignition switch ON diagnosis mode returns to the user mode. At that time the self-diagnosis result is cleared.

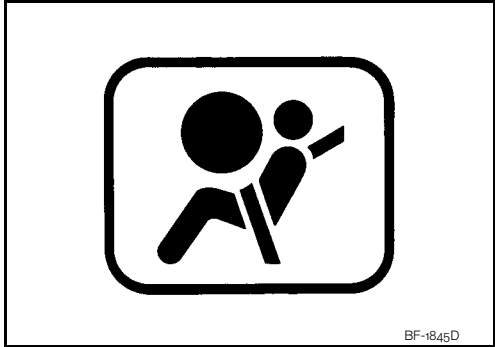
# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

### DIAGNOSTIC PROCEDURE (User mode)

Checking Air bag operation according to "AIR BAG" Warning Lamp-User Mode

1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
2. Compare the SRS air bag warning lamp blinking pattern with the examples.

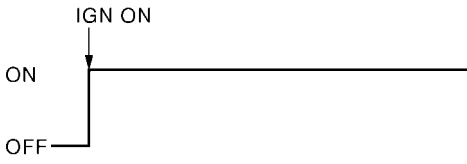


#### Warning lamp examples (User mode)

| "AIR BAG" warning lamp operation -User mode | SRS condition                                                                                                           | Reference item                                          |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <p>SHIA001E</p>                             | <ul style="list-style-type: none"><li>• No malfunction is detected.</li><li>• No further action is necessary.</li></ul> | —                                                       |
| <p>SHIA0012E</p>                            | <ul style="list-style-type: none"><li>• The system is malfunctioning and needs to be repaired as indicated.</li></ul>   | Go to <a href="#">SRC-10, "Diagnosis Description"</a> . |

# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

| "AIR BAG" warning lamp operation -User mode                                                        | SRS condition                                                                                                                                                                                                    | Reference item                                                                                                                                     |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>SHIA0013E</p> | <ul style="list-style-type: none"> <li>Air bag is deployed.</li> <li>Seat belt pre-tensioner is deployed.</li> </ul>                                                                                             | Go to <a href="#">SRC-194, "Diagnosis Procedure (Component diagnosis)"</a> or <a href="#">SRC-196, "Diagnosis Procedure (Component diagnosis)"</a> |
|  <p>SHIA0014E</p> | <ul style="list-style-type: none"> <li>Diagnosis sensor unit is malfunctioning.</li> <li>Air bag power supply circuit is malfunctioning.</li> <li>SRS air bag warning lamp circuit is malfunctioning.</li> </ul> | Go to <a href="#">SRC-220, "Symptom Table"</a> .                                                                                                   |
|  <p>SHIA0014E</p> | <ul style="list-style-type: none"> <li>Diagnosis sensor unit is malfunctioning.</li> <li>Air bag warning lamp circuit is malfunctioning.</li> </ul>                                                              | Go to <a href="#">SRC-220, "Symptom Table"</a> .                                                                                                   |

## DIAGNOSTIC PROCEDURE (With CONSULT-III)

| Diagnostic Mode       | Description                                                                     |
|-----------------------|---------------------------------------------------------------------------------|
| SELF-DIAG RESULT      | The self-diagnosis result is displayed. (SELF-DIAG [CURRENT], [PAST], [RECORD]) |
| ECU DISCRIMINATED No. | The part number of diagnosis sensor unit is displayed.                          |

## CONSULT-III Function

INFOID:000000001069751

### DIAGNOSIS MODE FOR CONSULT-III

- "SELF-DIAG [CURRENT]"  
A current self-diagnosis results (also indicated with the number of warning lamp fbinking in diagnosis mode) are displayed on CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs.
- "SELF-DIAG [PAST]"  
Diagnosis results previously stored in the memory are displayed on CONSULT-III screen. The stored results are not erased until memory erasing is executed.
- "TROUBLE DIAG RECORD"  
With TROUBLE DIAG [RECORD], diagnosis results previously erased by a reset operation can be displayed on CONSULT-III screen.
- "ECU DISCRIMINATED NO."  
The diagnosis sensor unit for each vehicle model is assigned with its own individual classification number. This number will be displayed on CONSULT-III screen, as shown. When replacing the diagnosis sensor unit, refer to the part number for the compatibility. After installation, replacement with a correct unit can be checked by confirming this classification number on CONSULT-III screen.  
After repair, check that the discriminated number of diagnosis sensor unit installed to vehicle are same. Refer to [SR-16, "Removal and Installation"](#).

## HOW TO CHANGE SELF-DIAGNOSIS MODE WITH CONSULT-III

### From User Mode to Diagnosis Mode

After selecting "AIR BAG" on the "SELECT SYSTEM" screen, User mode automatically changes to Diagnosis mode.

# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

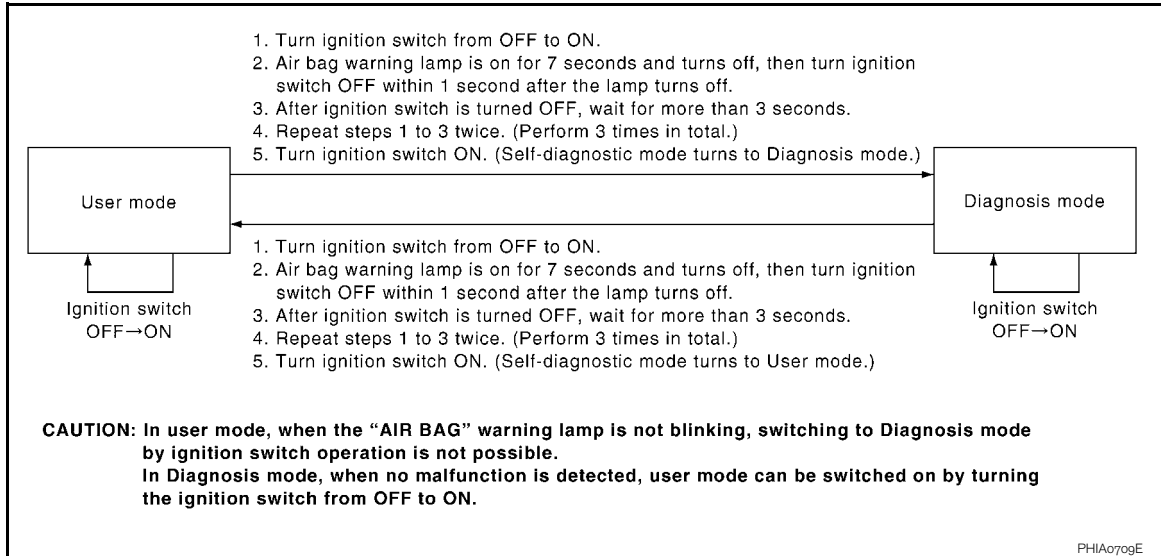
### From Diagnosis Mode to User Mode

To return to User mode from Diagnosis mode, touch “BACK” key of CONSULT-III until “SELECT SYSTEM” appears, then diagnosis mode automatically changes to User mode.

### SELF-DIAGNOSIS FUNCTION (Without CONSULT-III)

- The reading of these results is accomplished by “User mode” and “Diagnosis mode”.
- After a malfunction is repaired, turn ignition switch ON. Diagnosis mode returns to the user mode. At that time, the self-diagnosis result is cleared.

### HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT-III



# B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

## COMPONENT DIAGNOSIS

### B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

#### Description

INFOID:0000000001069753

#### DTC B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

#### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

#### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

#### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

#### DTC Logic

INFOID:0000000001069754

#### DTC DETECTION LOGIC

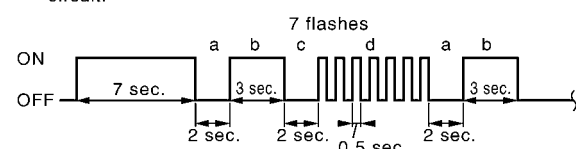
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                   | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|-------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1001<br>B1002<br>B1003<br>B1004<br>B1005 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                              |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                        | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. | 1. Replace the diagnosis sensor unit (ACU). |
|                   |                                             |

JMHIAC034GB

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-15](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-15](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069755

## B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

## B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000001069756

### DTC B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000001069757

### DTC DETECTION LOGIC

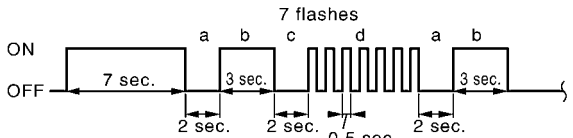
With CONSULT--

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                   | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|-------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1006<br>B1007<br>B1008<br>B1009<br>B1010 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                              |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                        | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. | 1. Replace the diagnosis sensor unit (ACU). |
|                   |                                             |

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### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

### Diagnosis Procedure (Component diagnosis)

With CONSULT-III

INFOID:000000001069758

## B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal. without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

## B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

## B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

### Description

INFOID:0000000001069759

#### DTC B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:0000000001069760

#### DTC DETECTION LOGIC

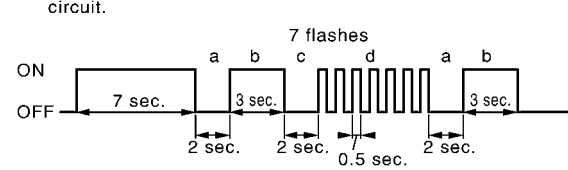
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                   | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|-------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1011<br>B1012<br>B1013<br>B1014<br>B1015 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                              |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                        | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. | 1. Replace the diagnosis sensor unit (ACU). |
|                   |                                             |

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#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

### Diagnosis Procedure (Component diagnosis)

With CONSULT-III

## B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

## B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

### B1023 PASS A/B INDCTR CKT

#### Description

INFOID:000000001069771

#### DTC B1023 PASS A/B INDCTR CKT

It is possible to suppress the deployment of passenger air bag by turning to OFF position the deactivation switch. Passenger air bag cut-off indicator illuminates when the deactivation switch is turned to the OFF position. In case of malfunction the blinking of the SRS air bag warning lamp tells the trouble to driver and by the on board self-diagnosis system or electro diagnosis tester CONSULT-III can detects the cause.

#### OPERATION

Passenger air bag cut-off indicator illuminates when the deactivation switch is turned to the OFF position.-

#### STRUCTURE

Passenger air bag cut-off indicator with LED illumination.

#### INSTALLATION

Passenger air bag cut-off indicator is installed at the instrument panel center.

#### DTC Logic

INFOID:000000001069772

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name          | DTC detecting condition                                                                        | Possible cause                                                                                                                                                                                                |
|---------|---------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1023   | PASS A/B INDCTR CKT [UNIT FAIL] | Cut-off indicator circuit is open or shorted to ground or the circuits are shorted each other. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front passenger air bag cut-off indicator unit.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Front passenger air bag indicator CKT>                                                                                                                                                                             |                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                                       | Repair order                                                                                                                                                                                                            |
| <p>a through d are repeated.<br/>d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.</p> <p>11 flashes</p> <p>ON<br/>OFF</p> <p>7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 3 sec. 2 sec.</p> | <p>1. Visually check the wiring harness connection.<br/>2. Replace the harness if it has visible damage.<br/>3. Replace front passenger air bag off indicator unit.<br/>4. Replace the diagnosis sensor unit (ACU).</p> |

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#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONCONSULT-III

## B1023 PASS A/B INDCTR CKT

### < COMPONENT DIAGNOSIS >

---

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-24](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-24](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001069773

## B1023 PASS A/B INDCTR CKT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK PASSENGER AIR BAG CUT-OFF INDICATOR

---

Is "PASSENGER AIR BAG CUT-OFF INDICATOR" displayed on CONSULT-III?

YES >> Replace passenger air bag cut-off indicator.

NO >> Replace diagnosis sensor unit (ACU).

# B1024 PASS A/B DEACT SW

< COMPONENT DIAGNOSIS >

## B1024 PASS A/B DEACT SW

### Description

INFOID:0000000001070050

#### DTC B1024 PASS A/B DEACT SW

It is possible to suppress the deployment of passenger air bag by turning to OFF position the deactivation switch. Passenger air bag cut-off indicator illuminates when the deactivation switch is turned to the OFF position. In case of malfunction the blinking of the SRS air bag warning lamp tells the trouble to driver and by the on board self-diagnosis system or electro diagnosis tester CONSULT-III can detects the cause.

### OPERATION

Passenger air bag cut-off indicator illuminates when the deactivation switch is turned to the OFF position.

### STRUCTURE

Deactivation switch controls passenger air bag module deployments ON/OFF operation.

### INSTALLATION

Passenger air bag deactivation switch is installed at the instrument panel side.

### DTC Logic

INFOID:0000000001070051

#### DTC DETECTION LOGIC

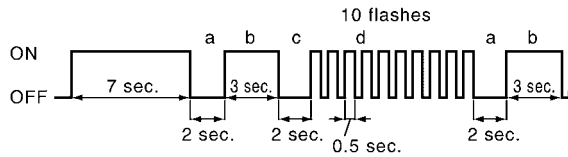
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name        | DTC detecting condition                                                                       | Possible cause                                                                                                                                                                                             |
|---------|-------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1024   | PASS A/B DEACT SW [UNIT FAIL] | Cut-off telltale circuit is open or shorted to ground or the circuits are shorted each other. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front passenger air bag deactivation switch.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Front passenger air bag deactivation switch>                                                                    |                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                    | Repair order                                                                                                                                                                                                   |
| a through d are repeated.<br>d: Ten flashes indicate malfunctioning front passenger air bag deactivation switch. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front passenger air bag deactivation switch.<br>4. Replace the diagnosis sensor unit (ACU). |
|                               |                                                                                                                                                                                                                |

JMHI/A0228GB

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONCONSULT-III

## B1024 PASS A/B DEACT SW

### < COMPONENT DIAGNOSIS >

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE

If DTC is detected. Refer to [SRC-27](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-27](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1024 PASS A/B DEACT SW

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK PASSENGER AIR BAG DEACT SWITCH

---

-

Is "PASSENGER AIR BAG DEACT SWITCH" displayed on CONSULT-III?

YES >> Replace passenger air bag deactivation switch.

NO >> Replace diagnosis sensor unit (ACU).

# B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

## B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000001069774

### DTC B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000001069775

### DTC DETECTION LOGIC

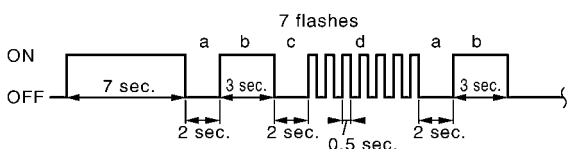
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|----------------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1026<br>B1027<br>B1028<br>B1029<br>B1030<br>B1031 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                              |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                        | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. | 1. Replace the diagnosis sensor unit (ACU). |
|                   |                                             |

JM-HIA0034GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-30](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-30](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069776

## B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

## B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

### B1033, B1034 CRASH ZONE SEN

#### Description

INFOID:000000001069777

#### DTC B1033, B1034 [UNIT FAIL] CRASH ZONE SENSOR

Main "G" sensor generates signal voltage when it detects deceleration beyond the specified level caused by vehicle frontal collision.

#### OPERATION

When ACU define the both signal voltage of the "G" sensor and the safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

#### STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

#### INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

#### DTC Logic

INFOID:000000001069778

#### DTC DETECTION LOGIC

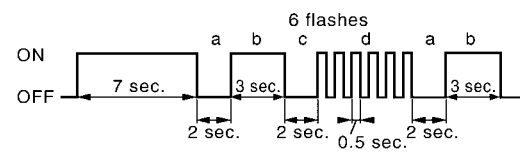
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.        | Trouble diagnosis name           | DTC detecting condition            | Possible cause                                                                                                                                                                   |
|----------------|----------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1033<br>B1034 | CRASH ZONE SENSOR<br>[UNIT FAIL] | crash zone sensor is out of order. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace crash zone sensor.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Crash zone sensor>                                                                            |                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                  | Repair order                                                                                                                                                                       |
| a through d are repeated.<br>d: Six flashes indicate malfunctioning crash zone sensor circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the crash zone sensor.<br>4. Replace the diagnosis sensor unit. |
|             |                                                                                                                                                                                    |

JMHI/A0036GB

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1033, B1034 CRASH ZONE SEN

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-33](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-33](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069779

## B1033, B1034 CRASH ZONE SEN

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK CRASH ZONE SENSOR

---

Is crash zone sensor displayed on CONSULT-III?

YES >> Replace crash zone sensor.

NO >> Replace diagnosis sensor unit (ACU).

# B1035 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

## B1035 CRASH ZONE SEN

### Description

INFOID:0000000001069780

### DTC B1035 [COMM FAIL] CRASH ZONE SENSOR

Main "G" sensor that generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

### OPERATION

When ACU defines both signal voltage of the "G" sensor and the safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

### STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

### INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

### DTC Logic

INFOID:0000000001069781

### DTC DETECTION LOGIC

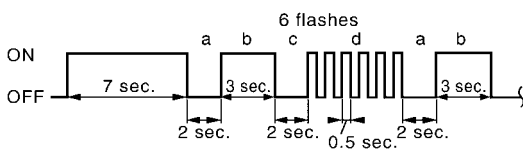
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name        | DTC detecting condition            | Possible cause                                                                                                                                                                   |
|---------|-------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1035   | CRASH ZONE SENSOR [COMM FAIL] | Crash zone sensor is out of order. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace crash zone sensor.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Crash zone sensor>                                                                            |                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                  | Repair order                                                                                                                                                                       |
| a through d are repeated.<br>d: Six flashes indicate malfunctioning crash zone sensor circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the crash zone sensor.<br>4. Replace the diagnosis sensor unit. |
|             |                                                                                                                                                                                    |

JM/HIA0036GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1035 CRASH ZONE SEN

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-36](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-36](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069782

## B1035 CRASH ZONE SEN

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK CRASH ZONE SENSOR

---

Is crash zone sensor displayed on CONSULT-III?

YES >> Replace crash zone sensor.

NO >> Replace diagnosis sensor unit (ACU).

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

## < COMPONENT DIAGNOSIS >

## Description

INEID:0000000001069783

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

## DTC Logic

INFID:0000000001069784

## DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|----------------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1042<br>B1043<br>B1044<br>B1045<br>B1046<br>B1047 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

|                                                                                                               |                                                    |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <Diagnosis sensor unit>                                                                                       |                                                    |
| Flash pattern                                                                                                 | Repair order                                       |
| <p>a through d are repeated.<br/> d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p> | <p>1. Replace the diagnosis sensor unit (ACU).</p> |

IMHIA0034GF

## DTC CONFIRMATION PROCEDURE (With CONSULT-III)

## 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

## 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

### Diagnosis Procedure (Component diagnosis)

INFOID:000000001069785

## B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1054 DRIVER AIRBAG MODULE

### Description

INFOID:000000001069786

### DTC B1054 [OPEN] DRIVER AIRBAG MODULE

For driver "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with retaining clips.

### DTC Logic

INFOID:000000001069787

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name      | DTC detecting condition                                             | Possible cause                                                                                                                                                                                                                                                                       |
|---------|-----------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1054   | DRIVER AIRBAG MODULE [OPEN] | Driver air bag module circuit is open (including the spiral cable). | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace driver air bag module.</li><li>4. Replace spiral cable.</li><li>5. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Driver air bag module>                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                                                 | Repair order                                                                                                                                                                                                                                                                                     |
| <p>a through d are repeated.<br/>d: Two flashes indicate malfunctioning driver air bag module circuit.</p> <p>ON<br/>OFF</p> <p>7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 2 sec.</p> <p>a b c d a b</p> <p>2 flashes 2 flashes</p> | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the driver air bag module.</li><li>4. Replace the spiral cable.</li><li>5. Replace the diagnosis sensor unit (ACU).</li></ol> |

JM/HIA0033GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1054 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-42](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE--DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice perform three times in all.

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON now in diagnosis mode.

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-42](#)

>> **END**

### Diagnosis Procedure (Component diagnosis)

INFOID:0000000001069788

With CONSULT-III

**CAUTION:**

## B1054 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SPIRAL CABLE

Is continuity of spiral cable good?

YES >> GO TO 4.

NO >> Repair or replace spiral cable.

#### 4.CHECK DRIVER AIR BAG MODULE

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace driver air bag module

NO >> Replace diagnosis sensor unit (ACU).

# B1055 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

## B1055 DRIVER AIRBAG MODULE

### Description

INFOID:000000001069789

### DTC B1055 [VB-SHORT] DRIVER AIRBAG MODULE

For driver "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with retaining clips.

### DTC Logic

INFOID:000000001069790

### DTC DETECTION LOGIC

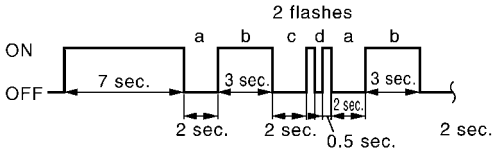
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name          | DTC detecting condition                                                                              | Possible cause                                                                                                                                                                                                   |
|---------|---------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1055   | DRIVER AIRBAG MODULE [VB-SHORT] | Driver air bag module circuit is shorted to some power supply circuit. (including the spiral cable). | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace driver air bag module.<br>4. Replace spiral cable.<br>5. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Driver air bag module>                                                                            |                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                      | Repair order                                                                                                                                                                                                                 |
| a through d are repeated.<br>d: Two flashes indicate malfunctioning driver air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the driver air bag module.<br>4. Replace the spiral cable.<br>5. Replace the diagnosis sensor unit (ACU). |
|                 |                                                                                                                                                                                                                              |

JMHI A0033GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSULT-III

Check the "SELF- DIAG" RESULT with CONSULT-III.

## B1055 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-45](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice perform three times in all.

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON now in diagnosis mode.

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-45](#)

>> **END**

### Diagnosis Procedure (Component diagnosis)

With CONSULT-III

**CAUTION:**

INFOID:0000000001069791

## B1055 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

---

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SPIRAL CABLE

---

Is continuity of spiral cable good?

YES >> GO TO 4.

NO >> Repair or replace spiral cable.

#### 4.CHECK DRIVER AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace driver air bag module

NO >> Replace diagnosis sensor unit (ACU).

# B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1056 DRIVER AIRBAG MODULE

### Description

INFOID:000000001069792

### DTC B1056 [GND-SHORT] DRIVER AIRBAG MODULE

For driver "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with retaining clips.

### DTC Logic

INFOID:000000001069793

### DTC DETECTION LOGIC

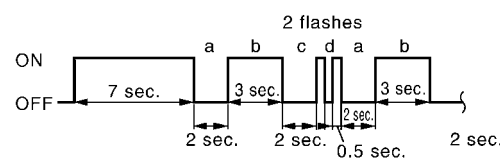
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name           | DTC detecting condition                                                          | Possible cause                                                                                                                                                                                                                                                                       |
|---------|----------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1056   | DRIVER AIRBAG MODULE [GND-SHORT] | Driver air bag module circuit is shorted to ground (including the spiral cable). | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace driver air bag module.</li><li>4. Replace spiral cable.</li><li>5. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Driver air bag module>                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                  | Repair order                                                                                                                                                                                                                                                                                     |
| <p>a through d are repeated.<br/>d: Two flashes indicate malfunctioning driver air bag module circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the driver air bag module.</li><li>4. Replace the spiral cable.</li><li>5. Replace the diagnosis sensor unit (ACU).</li></ol> |

JM/HIA0033GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1056 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-48](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-48](#)

>> **END**

### Diagnosis Procedure (Component diagnosis)

With CONSULT-III

**CAUTION:**

INFOID:0000000001069794

## B1056 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SPIRAL CABLE

Is continuity of spiral cable good?

YES >> GO TO 4.

NO >> Repair or replace spiral cable.

#### 4.CHECK DRIVER AIR BAG MODULE

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace driver air bag module

NO >> Replace diagnosis sensor unit (ACU).



## B1057 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-51](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-51](#)

>> **END**

### Diagnosis Procedure (Component diagnosis)

With CONSULT-III

**CAUTION:**

INFOID:0000000001069797

## B1057 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

---

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SPIRAL CABLE

---

Is continuity of spiral cable good?

YES >> GO TO 4.

NO >> Repair or replace spiral cable.

#### 4.CHECK DRIVER AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace driver air bag module

NO >> Replace diagnosis sensor unit (ACU).

# B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

## B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

### Description

INFOID:0000000001069798

### DTC B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:0000000001069799

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|----------------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1058<br>B1059<br>B1060<br>B1061<br>B1062<br>B1063 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                                                      |                                             |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                                                | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.                         | 1. Replace the diagnosis sensor unit (ACU). |
| <p>ON<br/>OFF</p> <p>7 sec.<br/>3 sec.<br/>2 sec.<br/>2 sec.<br/>0.5 sec.<br/>2 sec.</p> <p>7 flashes</p> <p>a b c d a b</p> |                                             |

JM-HIA0034GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069800

## B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1070 ASSIST A/B MODULE

### Description

INFOID:000000001069801

### DTC B1070 [OPEN] ASSIST A/B MODULE

For passenger "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

### DTC Logic

INFOID:000000001069802

### DTC DETECTION LOGIC

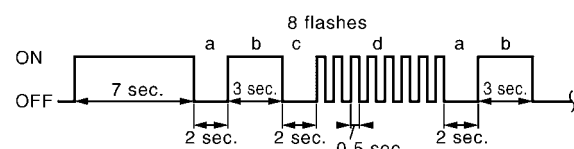
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name   | DTC detecting condition                         | Possible cause                                                                                                                                                                               |
|---------|--------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1070   | ASSIST A/B MODULE [OPEN] | Front passenger air bag module circuit is open. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front passenger airbag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front passenger air bag module>                                                                              |                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                 | Repair order                                                                                                                                                                                          |
| a through d are repeated.<br>d: Eight flashes indicate malfunctioning front passenger air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front passenger air bag module.<br>4. Replace the diagnosis sensor unit (ACU). |
|                            | JMHI A0035GB                                                                                                                                                                                          |

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-57](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-57](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1070 ASSIST A/B MODULE

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK PASSENGER AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace passenger air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1071 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1071 ASSIST A/B MODULE

### Description

INFOID:000000001069804

### DTC B1071 [VB-SHORT] ASSIST A/B MODULE

For front passenger "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

### DTC Logic

INFOID:000000001069805

### DTC DETECTION LOGIC

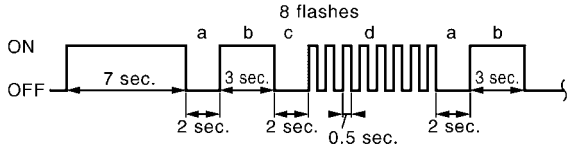
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name       | DTC detecting condition                                                         | Possible cause                                                                                                                                                                                                                                               |
|---------|------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1071   | ASSIST A/B MODULE [VB-SHORT] | Front passenger air bag module circuit is shorted to some power supply circuit. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace front passenger air bag module.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front passenger air bag module>                                                                                                                                                                          |                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                             | Repair order                                                                                                                                                                                                                                                         |
| <p>a through d are repeated.<br/>d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the front passenger air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

JM/HIA0035GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT" with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-60](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-60](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1071 ASSIST A/B MODULE

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK PASSENGER AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace passenger air bag module.

NO >> Replace diagnosis sensor unit (ACU).

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

# B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1072 ASSIST A/B MODULE

### Description

INFOID:000000001069807

### DTC B1072 [GND-SHORT] ASSIST A/B MODULE

For front passenger "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

### DTC Logic

INFOID:000000001069808

### DTC DETECTION LOGIC

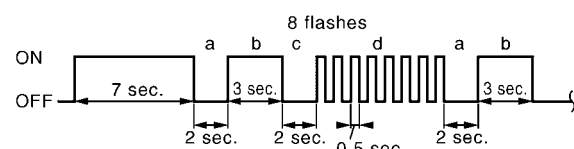
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name        | DTC detecting condition                                      | Possible cause                                                                                                                                                                                |
|---------|-------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1072   | ASSIST A/B MODULE [GND-SHORT] | Front passenger air bag module circuit is shorted to ground. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front passenger air bag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front passenger air bag module>                                                                              |                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                 | Repair order                                                                                                                                                                                          |
| a through d are repeated.<br>d: Eight flashes indicate malfunctioning front passenger air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front passenger air bag module.<br>4. Replace the diagnosis sensor unit (ACU). |
|                            |                                                                                                                                                                                                       |

JMHI A0035GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1072 ASSIST A/B MODULE

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-63](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to the blinking times of air bag warning lamp. Refer to [SRC-63](#)

>> **END**

### Diagnosis Procedure (Component diagnosis)

With CONSULT-III

**CAUTION:**

## B1072 ASSIST A/B MODULE

### < COMPONENT DIAGNOSIS >

---

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK PASSENGER AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace passenger air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1073 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1073 ASSIST A/B MODULE

### Description

INFOID:000000001069810

### DTC B1073 [SHORT] ASSIST A/B MODULE

For front passenger "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

### DTC Logic

INFOID:000000001069811

### DTC DETECTION LOGIC

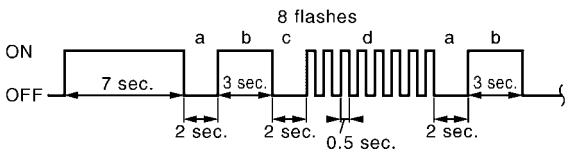
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name    | DTC detecting condition                                            | Possible cause                                                                                                                                                                                |
|---------|---------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1073   | ASSIST A/B MODULE [SHORT] | Front passenger air bag module circuits are shorted to each other. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front passenger air bag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front passenger air bag module>                                                                              |                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                 | Repair order                                                                                                                                                                                          |
| a through d are repeated.<br>d: Eight flashes indicate malfunctioning front passenger air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front passenger air bag module.<br>4. Replace the diagnosis sensor unit (ACU). |
|                            |                                                                                                                                                                                                       |

JMHI A0035GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-66](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-66](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1073 ASSIST A/B MODULE

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK PASSENGER AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace passenger air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

## B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

### Description

INFOID:0000000001069813

### DTC B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:0000000001069814

### DTC DETECTION LOGIC

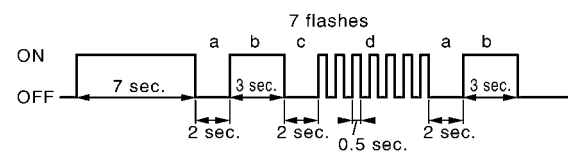
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|----------------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1074<br>B1075<br>B1076<br>B1077<br>B1078<br>B1079 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                              |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                        | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. | 1. Replace the diagnosis sensor unit (ACU). |
|                   |                                             |

JMHI A0034GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

# B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

## Diagnosis Procedure (Component diagnosis)

INFOID:000000001069815

## B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1081 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1081 PRE-TEN FRONT RH

### Description

INFOID:000000001069816

### DTC B1081 [OPEN] PRE-TEN FRONT RH

For seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000001069817

### DTC DETECTION LOGIC

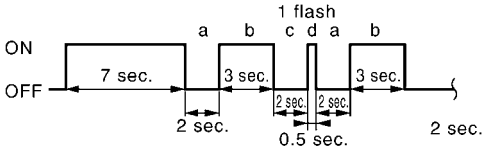
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name  | DTC detecting condition                          | Possible cause                                                                                                                                                                    |
|---------|-------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1081   | PRE-TEN FRONT RH [OPEN] | Front RH seat belt pretensioner circuit is open. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front RH seat belt.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front RH seat belt pre-tensioner>                                                                           |                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                | Repair order                                                                                                                                                                               |
| a through d are repeated.<br>d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front RH seat belt.<br>4. Replace the diagnosis sensor unit (ACU). |
|                           |                                                                                                                                                                                            |

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### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

< COMPONENT DIAGNOSIS >

---

&gt;&gt; GO TO 3.

**3.DTC CODE**

---

If DTC is detected. Refer to [SRC-72](#)>> **END****DTC CONFIRMATION PROCEDURE (Without CONSULT-III)****NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.IGNITION SWITCH**

---

Turn ignition switch ON.

&gt;&gt; GO TO 2.

**2.USER MODE-DIAG MODE**

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

&gt;&gt; GO TO 3.

**3.USER MODE-DIAG MODE**

---

Wait more than 3 seconds.

&gt;&gt; GO TO 4.

**4.USER MODE-DIAG MODE**

---

Repeat step 1 to 3 twice. (Perform three times in all.)

&gt;&gt; GO TO 5.

**5.DIAG MODE**

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

&gt;&gt; GO TO 6.

**6.DIAG MODE (AIR BAG WARNING LAMP)**

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-72](#)>> **END**

Diagnosis Procedure (Component diagnosis)

## B1081 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1082 PRE-TEN FRONT RH

### Description

INFOID:0000000001069819

### DTC B1082 [VB-SHORT] PRE-TEN FRONT RH

For seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:0000000001069820

### DTC DETECTION LOGIC

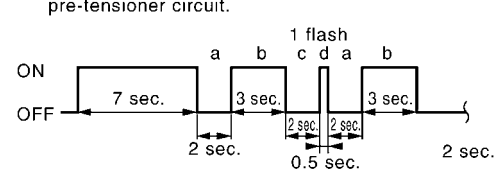
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name      | DTC detecting condition                                                          | Possible cause                                                                                                                                                                                                                                   |
|---------|-----------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1082   | PRE-TEN FRONT RH [VB-SHORT] | Front RH seat belt pretensioner circuit is shorted to some power supply circuit. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace front RH seat belt.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front RH seat belt pre-tensioner>                                                                                                                                                                       |                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                            | Repair order                                                                                                                                                                                                                                              |
| <p>a through d are repeated.<br/>d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connections.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the front RH seat belt.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

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### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## &lt; COMPONENT DIAGNOSIS &gt;

&gt;&gt; GO TO 3.

**3.DTC CODE**If DTC is detected. Refer to [SRC-75](#)>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.IGNITION SWITCH**

Turn ignition switch ON.

&gt;&gt; GO TO 2.

**2.USER MODE-DIAG MODE**

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

&gt;&gt; GO TO 3.

**3.USER MODE-DIAG MODE**

Wait more than 3 seconds.

&gt;&gt; GO TO 4.

**4.USER MODE-DIAG MODE**

Repeat step 1 to 3 twice. (Perform three times in all.)

&gt;&gt; GO TO 5.

**5.DIAG MODE**

Turn ignition switch ON. (SRS is now in diagnosis mode.)

&gt;&gt; GO TO 6.

**6.DIAG MODE (AIR BAG WARNING LAMP)**Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-75](#)>> **END**

Diagnosis Procedure (Component diagnosis)

## B1082 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1083 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1083 PRE-TEN FRONT RH

### Description

INFOID:000000001069822

### DTC B1083 [GND-SHORT] PRE-TEN FRONT RH

For seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000001069823

### DTC DETECTION LOGIC

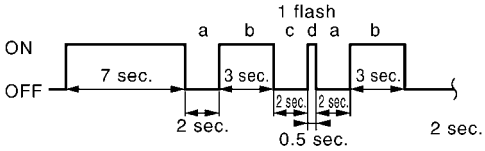
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name       | DTC detecting condition                                       | Possible cause                                                                                                                                                                    |
|---------|------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1083   | PRE-TEN FRONT RH [GND-SHORT] | Front RH seat belt pretensioner circuit is shorted to ground. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front RH seat belt.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front RH seat belt pre-tensioner>                                                                           |                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                | Repair order                                                                                                                                                                               |
| a through d are repeated.<br>d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front RH seat belt.<br>4. Replace the diagnosis sensor unit (ACU). |
|                           |                                                                                                                                                                                            |

JM/HIA0037/GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-78](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-78](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069824

## B1083 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1084 PRE-TEN FRONT RH

### Description

INFOID:000000001069825

### DTC B1084 [SHORT] PRE-TEN FRONT RH

For seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000001069826

### DTC DETECTION LOGIC

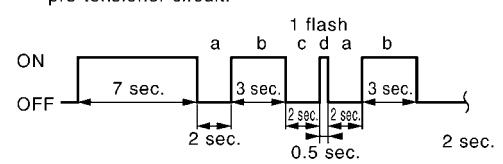
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name   | DTC detecting condition                                            | Possible cause                                                                                                                                                                    |
|---------|--------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1084   | PRE-TEN FRONT RH [SHORT] | Front RH seat belt pretensioner circuit are shorted to each other. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front RH seat belt.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front RH seat belt pre-tensioner>                                                                           |                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                | Repair order                                                                                                                                                                               |
| a through d are repeated.<br>d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front RH seat belt.<br>4. Replace the diagnosis sensor unit (ACU). |
|                           |                                                                                                                                                                                            |

JMHI/A0037GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## &lt; COMPONENT DIAGNOSIS &gt;

&gt;&gt; GO TO 3.

**3.**DTC CODE.If DTC is detected. Refer to [SRC-81](#)>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.**IGNITION SWITCH

Turn ignition switch ON.

&gt;&gt; GO TO 2.

**2.**USER MODE-DIAG MODE

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

&gt;&gt; GO TO 3.

**3.**USER MODE-DIAG MODE

Wait more than 3 seconds.

&gt;&gt; GO TO 4.

**4.**USER MODE-DIAG MODE

Repeat step 1 to 3 twice. (Perform three times in all.)

&gt;&gt; GO TO 5.

**5.**DIAG MODE

Turn ignition switch ON. (SRS is now in diagnosis mode.)

&gt;&gt; GO TO 6.

**6.**DIAG MODE (AIR BAG WARNING LAMP)Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-81](#)>> **END**

Diagnosis Procedure (Component diagnosis)

## B1084 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1086 PRE-TEN FRONT LH

### Description

INFOID:000000001069828

### DTC B1086 [OPEN] PRE-TEN FRONT LH

For seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000001069829

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name  | DTC detecting condition                           | Possible cause                                                                                                                                                                    |
|---------|-------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1086   | PRE-TEN FRONT LH [OPEN] | Front LH seat belt pre-tensioner circuit is open. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front LH seat belt.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front LH seat belt pre-tensioner>                                                                              |                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                   | Repair order                                                                                                                                                                               |
| a through d are repeated.<br>d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front LH seat belt.<br>4. Replace the diagnosis sensor unit (ACU). |
|                                                                                                                 |                                                                                                                                                                                            |

JM/HIA0038GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONCONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-84](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-84](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069830

## B1086 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1087 PRE-TEN FRONT LH

### Description

INFOID:000000001069831

### DTC B1087 [VB-SHORT] PRE-TEN FRONT LH

For seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000001069832

### DTC DETECTION LOGIC

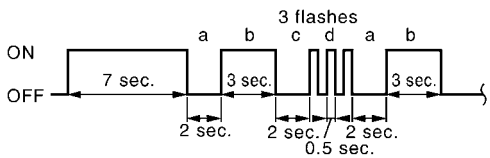
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name      | DTC detecting condition                                                          | Possible cause                                                                                                                                                                    |
|---------|-----------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1087   | PRE-TEN FRONT LH [VB-SHORT] | Front LH seat belt pretensioner circuit is shorted to some power supply circuit. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front LH seat belt.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front LH seat belt pre-tensioner>                                                                              |                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                   | Repair order                                                                                                                                                                               |
| a through d are repeated.<br>d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front LH seat belt.<br>4. Replace the diagnosis sensor unit (ACU). |
|                              |                                                                                                                                                                                            |

JMHI A0038GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1087 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-87](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-87](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069833

## B1087 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1088 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1088 PRE-TEN FRONT LH

### Description

INFOID:000000001069834

### DTC B1088 [GND-SHORT] PRE-TEN FRONT LH

For seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000001069835

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name       | DTC detecting condition                                       | Possible cause                                                                                                                                                                    |
|---------|------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1088   | PRE-TEN FRONT LH [GND-SHORT] | Front LH seat belt pretensioner circuit is shorted to ground. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front LH seat belt.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front LH seat belt pre-tensioner>                                                                              |                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                   | Repair order                                                                                                                                                                               |
| a through d are repeated.<br>d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front LH seat belt.<br>4. Replace the diagnosis sensor unit (ACU). |
|                                                                                                                 |                                                                                                                                                                                            |

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### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-90](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-90](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1088 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1089 PRE-TEN FRONT LH

### Description

INFOID:000000001069837

### DTC B1089 [SHORT] PRE-TEN FRONT LH

For seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000001069838

### DTC DETECTION LOGIC

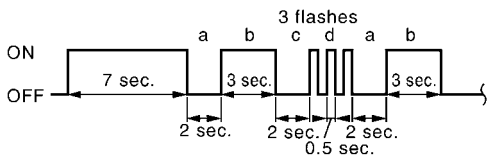
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name   | DTC detecting condition                                            | Possible cause                                                                                                                                                                                                                                   |
|---------|--------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1089   | PRE-TEN FRONT LH [SHORT] | Front LH seat belt pretensioner circuit are shorted to each other. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace front LH seat belt.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front LH seat belt pre-tensioner>                                                                                                                                                                          |                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                               | Repair order                                                                                                                                                                                                                                              |
| <p>a through d are repeated.<br/>d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connections.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the front LH seat belt.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

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### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1089 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-93](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-93](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069839

## B1089 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

## B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000001069840

### DTC B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000001069841

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|----------------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1106<br>B1107<br>B1108<br>B1109<br>B1110<br>B1111 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                              |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                        | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. | 1. Replace the diagnosis sensor unit (ACU). |
|                                                                                                      |                                             |

JM-HIA0034GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069842

## B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

## B1113, B1114 SATELLITE SENS RH

### Description

INFOID:000000001069843

### DTC B1113, B1114 [UNIT FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When ACU define the both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed the electric ignitor of both the side air bag and curtain air bag.

### STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

Satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000001069844

### DTC DETECTION LOGIC

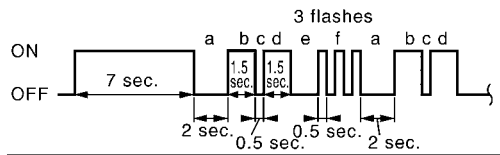
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.        | Trouble diagnosis name           | DTC detecting condition              | Possible cause                                                                                                                                                                     |
|----------------|----------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1113<br>B1114 | SATELLITE SENS RH<br>[UNIT FAIL] | RH satellite sensor is out of order. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace RH satellite sensor.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <RH side air bag (Satellite) sensor>                                                                              |                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                     | Repair order                                                                                                                                                                                        |
| a through f are repeated.<br>f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the RH side air bag (Satellite) sensor.<br>4. Replace the diagnosis sensor unit. |
|                                |                                                                                                                                                                                                     |

JMHI/A0039GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONCONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1113, B1114 SATELLITE SENS RH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-99](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-99](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069845

## B1113, B1114 SATELLITE SENS RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SATELLITE SENSOR

---

Is "SATELLITE SENSOR" displayed on CONSULT-III?

YES >> Replace satellite sensor.

NO >> Replace diagnosis sensor unit (ACU).

# B1115 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

## B1115 SATELLITE SENS RH

### Description

INFOID:000000001069846

### DTC B1115 [COMM FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed the electric ignitor of both the side air bag and curtain air bag.

### STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

Satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000001069847

### DTC DETECTION LOGIC

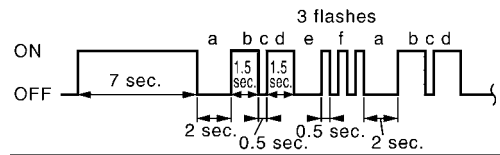
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name        | DTC detecting condition              | Possible cause                                                                                                                                                                     |
|---------|-------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1115   | SATELLITE SENS RH [COMM FAIL] | RH satellite sensor is out of order. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace RH satellite sensor.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <RH side air bag (Satellite) sensor>                                                                              |                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                     | Repair order                                                                                                                                                                                        |
| a through f are repeated.<br>f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the RH side air bag (Satellite) sensor.<br>4. Replace the diagnosis sensor unit. |
|                                |                                                                                                                                                                                                     |

JM/HIA0039GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1115 SATELLITE SENS RH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-102](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-102](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069848

## B1115 SATELLITE SENS RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SATELLITE SENSOR

---

Is "SATELLITE SENSOR" displayed on CONSULT-III?

YES >> Replace satellite sensor.

NO >> Replace diagnosis sensor unit (ACU).

## < COMPONENT DIAGNOSIS >

## Description

INFOID:0000000001069849

Main "G" sensor generates signal voltage when it detects deceleration beyond the specified level by vehicle side collision.

When ACU defines both signal voltage of the “G” sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed the electric ignitor of both the side air bag and curtain air bag.

Integrated type of the "G" sensor element for side collision with out put terminals for signal voltage.

Satellite sensor is installed at the under side of center pillar with fixed nuts.

INECID:0000000001069850

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.        | Trouble diagnosis name           | DTC detecting condition              | Possible cause                                                                                                                                                                                                                                         |
|----------------|----------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1118<br>B1119 | SATELLITE SENS LH<br>[UNIT FAIL] | LH satellite sensor is out of order. | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace LH satellite sensor.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol> |

## Warning Lamp Flash Code Chart

| < LH side air bag (Satellite) sensor>                                                                               |                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                       | Repair order                                                                                                                                                                                                                                                            |
| <p>a through f are repeated.</p> <p>f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.</p> | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol> |

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## 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

## 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1118, B1119 SATELLITE SENS LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-105](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-105](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069851

## B1118, B1119 SATELLITE SENS LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SATELLITE SENSOR

---

Is "SATELLITE SENSOR" displayed on CONSULT-III?

YES >> Replace satellite sensor.

NO >> Replace diagnosis sensor unit (ACU).

## A

## B

## C

INFOID:0000000001069852

## D

5

—

1

## 25

## 3

34

INFOID:0000000001069853

## 1

22

## B1120 SATELLITE SENS LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-108](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-108](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069854

## B1120 SATELLITE SENS LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SATELLITE SENSOR

---

Is "SATELLITE SENSOR" displayed on CONSULT-III?

YES >> Replace satellite sensor.

NO >> Replace diagnosis sensor unit (ACU).

## B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

## B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000001069855

#### DTC B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000001069856

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|----------------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1122<br>B1123<br>B1124<br>B1125<br>B1126<br>B1127 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

<Diagnosis sensor unit>

| Flash pattern                                                                                                                                                                                                                                        | Repair order                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <p>a through d are repeated.<br/>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p> <p>ON<br/>OFF</p> <p>7 sec.<br/>3 sec.<br/>2 sec.<br/>2 sec.<br/>0.5 sec.<br/>3 sec.<br/>2 sec.</p> <p>a b c d a b</p> <p>7 flashes</p> | <p>1. Replace the diagnosis sensor unit (ACU).</p> |

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#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

# B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069857

## B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1129 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1129 SIDE MODULE RH

### Description

INFOID:000000001069858

### DTC B1129 [OPEN] SIDE MODULE RH

For side air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Front side air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front side air bag module is installed on the side of front seatback with fixed nuts.

### DTC Logic

INFOID:000000001069859

### DTC DETECTION LOGIC

With CONSULT-III

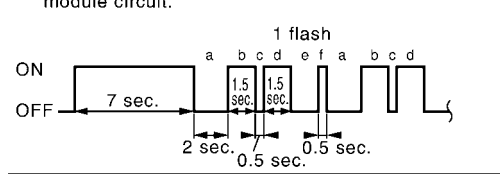
DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name | DTC detecting condition                       | Possible cause                                                                                                                                                                              |
|---------|------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1129   | SIDE MODULE RH [OPEN]  | Front RH side air bag module circuit is open. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front RH side air bag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front RH side air bag module>                                                                           |                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                            | Repair order                                                                                                                                                                                        |
| a through f are repeated.<br>f: One flash indicates malfunctioning front RH side air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front RH side air bag module.<br>4. Replace the diagnosis sensor unit (ACU). |



### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-114](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-114](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069860

## B1129 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

## B1130 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

### B1130 SIDE MODULE RH

#### Description

INFOID:000000001069861

#### DTC B1130 [VB-SHORT] SIDE MODULE RH

For side air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

#### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

#### STRUCTURE

Front side air bag module mainly consists of air bag and inflator which inflates air bag.

#### INSTALLATION

Front side air bag module is installed on the side of front seatback with fixed nuts.

#### DTC Logic

INFOID:000000001069862

#### DTC DETECTION LOGIC

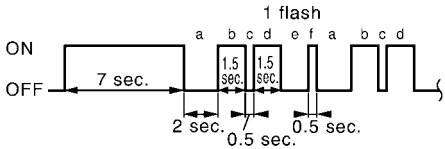
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name    | DTC detecting condition                                                       | Possible cause                                                                                                                                                                                                                                             |
|---------|---------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1130   | SIDE MODULE RH [VB-SHORT] | Front RH side air bag module circuit is shorted to some power supply circuit. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace front RH side air bag module.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Front RH side air bag module>                                                                                                                                                                       |                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                        | Repair order                                                                                                                                                                                                                                                       |
| <p>a through f are repeated.<br/>f: One flash indicates malfunctioning front RH side air bag module circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the front RH side air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

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#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## &lt; COMPONENT DIAGNOSIS &gt;

&gt;&gt; GO TO 3.

**3.DTC CODE**If DTC is detected. Refer to [SRC-117](#)>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.IGNITION SWITCH**

Turn ignition switch ON.

&gt;&gt; GO TO 2.

**2.USER MODE-DIAG MODE**

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

&gt;&gt; GO TO 3.

**3.USER MODE-DIAG MODE**

Wait more than 3 seconds.

&gt;&gt; GO TO 4.

**4.USER MODE-DIAG MODE**

Repeat step 1 to 3 twice. (Perform three times in all.)

&gt;&gt; GO TO 5.

**5.DIAG MODE**

Turn ignition switch ON. (SRS is now in diagnosis mode.)

&gt;&gt; GO TO 6.

**6.DIAG MODE (AIR BAG WARNING LAMP)**Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-117](#)>> **END**

Diagnosis Procedure (Component diagnosis)

## B1130 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1131 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1131 SIDE MODULE RH

### Description

INFOID:000000001069864

### DTC B1131 [GND-SHORT] SIDE MODULE RH

For side air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Front side air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front side air bag module is installed on the side of front seatback with fixed nuts.

### DTC Logic

INFOID:000000001069865

### DTC DETECTION LOGIC

With CONSULT-III

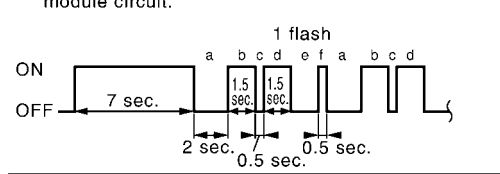
DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name     | DTC detecting condition                                    | Possible cause                                                                                                                                                                              |
|---------|----------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1131   | SIDE MODULE RH [GND-SHORT] | Front RH side air bag module circuit is shorted to ground. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front RH side air bag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front RH side air bag module>                                                                           |                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                            | Repair order                                                                                                                                                                                        |
| a through f are repeated.<br>f: One flash indicates malfunctioning front RH side air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front RH side air bag module.<br>4. Replace the diagnosis sensor unit (ACU). |



### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-120](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-120](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1131 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

## < COMPONENT DIAGNOSIS >

INFOID:0000000001069867

INFOID:0000000001069868

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**SRC-122**

## &lt; COMPONENT DIAGNOSIS &gt;

&gt;&gt; GO TO 3.

**3.DTC CODE**If DTC is detected. Refer to [SRC-123](#)>> **END****DTC CONFIRMATION PROCEDURE (Without CONSULT-III)****NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.IGNITION SWITCH**

Turn ignition switch ON.

&gt;&gt; GO TO 2.

**2.USER MODE-DIAG MODE**

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

&gt;&gt; GO TO 3.

**3.USER MODE-DIAG MODE**

Wait more than 3 seconds.

&gt;&gt; GO TO 4.

**4.USER MODE-DIAG MODE**

Repeat step 1 to 3 twice. (Perform three times in all.)

&gt;&gt; GO TO 5.

**5.DIAG MODE**

Turn ignition switch ON. (SRS is now in diagnosis mode.)

&gt;&gt; GO TO 6.

**6.DIAG MODE (AIR BAG WARNING LAMP)**Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-123](#)>> **END****Diagnosis Procedure (Component diagnosis)**

## B1132 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1134 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1134 SIDE MODULE LH

### Description

INFOID:000000001069870

### DTC B1134 [OPEN] SIDE MODULE LH

For side air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Front side air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front side air bag module is installed on the side of front seatback with fixed nuts.

### DTC Logic

INFOID:000000001069871

### DTC DETECTION LOGIC

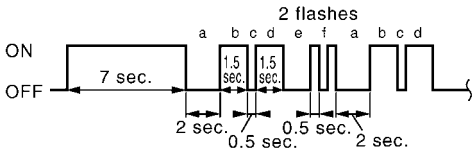
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name | DTC detecting condition                       | Possible cause                                                                                                                                                                              |
|---------|------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1134   | SIDE MODULE LH [OPEN]  | Front LH side air bag module circuit is open. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front LH side air bag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front LH side air bag module>                                                                            |                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                             | Repair order                                                                                                                                                                                        |
| a through f are repeated.<br>f: Two flashes indicate malfunctioning front LH side air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front LH side air bag module.<br>4. Replace the diagnosis sensor unit (ACU). |
|                        | JM/HIA0042GB                                                                                                                                                                                        |

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-126](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunction portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-126](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069872

## B1134 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

## B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

### B1135 SIDE MODULE LH

#### Description

INFOID:000000001069873

#### DTC B1135 [VB-SHORT] SIDE MODULE LH

For side air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

#### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

#### STRUCTURE

Front side air bag module mainly consists of air bag and inflator which inflates air bag.

#### INSTALLATION

Front side air bag module is installed on the side of front seatback with fixed nuts.

#### DTC Logic

INFOID:000000001069874

#### DTC DETECTION LOGIC

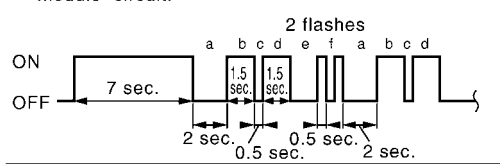
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name    | DTC detecting condition                                                       | Possible cause                                                                                                                                                                                                                                             |
|---------|---------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1135   | SIDE MODULE LH [VB-SHORT] | Front LH side air bag module circuit is shorted to some power supply circuit. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace front LH side air bag module.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Front LH side air bag module>                                                                                                                                                                        |                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                         | Repair order                                                                                                                                                                                                                                                       |
| <p>a through f are repeated.<br/>f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the front LH side air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

JMHI A0042GB

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## &lt; COMPONENT DIAGNOSIS &gt;

&gt;&gt; GO TO 3.

**3.DTC CODE**If DTC is detected. Refer to [SRC-129](#)>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.IGNITION SWITCH**

Turn ignition switch ON.

&gt;&gt; GO TO 2.

**2.USER MODE-DIAG MODE**

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

&gt;&gt; GO TO 3.

**3.USER MODE-DIAG MODE**

Wait more than 3 seconds.

&gt;&gt; GO TO 4.

**4.USER MODE-DIAG MODE**

Repeat step 1 to 3 twice. (Perform three times in all.)

&gt;&gt; GO TO 5.

**5.DIAG MODE**

Turn ignition switch ON. (SRS is now in diagnosis mode.)

&gt;&gt; GO TO 6.

**6.DIAG MODE (AIR BAG WARNING LAMP)**Malfunction portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-129](#)>> **END**

Diagnosis Procedure (Component diagnosis)

## B1135 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1136 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1136 SIDE MODULE LH

### Description

INFOID:000000001069876

### DTC B1136 [GND-SHORT] SIDE MODULE LH

For side air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Front side air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front side air bag module is installed on the side of front seatback with fixed nuts.

### DTC Logic

INFOID:000000001069877

### DTC DETECTION LOGIC

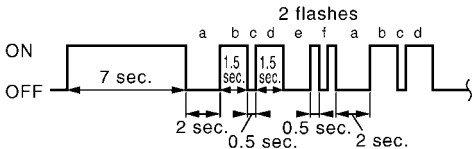
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name     | DTC detecting condition                                    | Possible cause                                                                                                                                                                                                                                             |
|---------|----------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1136   | SIDE MODULE LH [GND-SHORT] | Front LH side air bag module circuit is shorted to ground. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace front LH side air bag module.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front LH side air bag module>                                                                                                                                                                           |                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                            | Repair order                                                                                                                                                                                                                                                       |
| <p>a through f are repeated.</p> <p>f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the front LH side air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

JM/HIA0042GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-132](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-132](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069878

## B1136 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

## B1137 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

### B1137 SIDE MODULE LH

#### Description

INFOID:000000001069879

#### DTC B1137 [SHORT] SIDE MODULE LH

For side air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

#### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

#### STRUCTURE

Front side air bag module mainly consists of air bag and inflator which inflates air bag.

#### INSTALLATION

Front side air bag module is installed on the side of front seatback with fixed nuts.

#### DTC Logic

INFOID:000000001069880

#### DTC DETECTION LOGIC

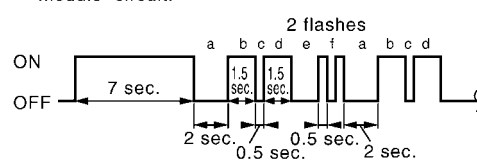
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name | DTC detecting condition                                         | Possible cause                                                                                                                                                                              |
|---------|------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1137   | SIDE MODULE LH [SHORT] | Front LH side air bag module circuit are shorted to each other. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front LH side air bag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Front LH side air bag module>                                                                            |                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                             | Repair order                                                                                                                                                                                        |
| a through f are repeated.<br>f: Two flashes indicate malfunctioning front LH side air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front LH side air bag module.<br>4. Replace the diagnosis sensor unit (ACU). |
|                        | JMHI A0042GB                                                                                                                                                                                        |

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONSUULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-135](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp lilluminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-135](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1137 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- **Before servicing, turn ignition switch OFF, disconnect both battery terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use an unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

## B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000001069882

### DTC B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000001069883

### DTC DETECTION LOGIC

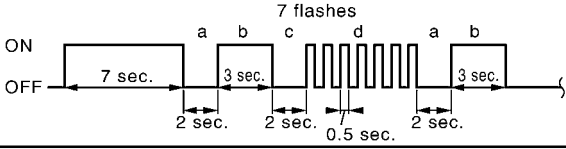
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|----------------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1138<br>B1139<br>B1140<br>B1141<br>B1142<br>B1143 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                              |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                        | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. | 1. Replace the diagnosis sensor unit (ACU). |
|                   |                                             |

JM-HIA0034GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069884

## B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1145 CURTAIN MODULE RH

### Description

INFOID:000000001069885

### DTC B1145 [OPEN] CURTAIN MODULE RH

For curtain air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000001069886

### DTC DETECTION LOGIC

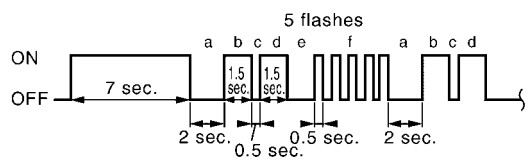
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name   | DTC detecting condition                    | Possible cause                                                                                                                                                                           |
|---------|--------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1145   | CURTAIN MODULE RH [OPEN] | RH curtain air bag module circuit is open. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace RH curtain air bag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <RH side curtain air bag module>                                                                             |                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                | Repair order                                                                                                                            |
| a through f are repeated.<br>f: Five flashes indicate malfunctioning RH side curtain air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the related harness. |
|                           |                                                                                                                                         |

PHIA1240E

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1145 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-141](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-141](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069887

## B1145 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1146 CURTAIN MODULE RH

### Description

INFOID:000000001069888

### DTC B1146 [VB-SHORT] CURTAIN MODULE RH

For curtain air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000001069889

### DTC DETECTION LOGIC

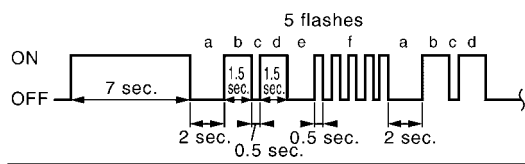
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name       | DTC detecting condition                                                         | Possible cause                                                                                                                                                                                                                                               |
|---------|------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1146   | CURTAIN MODULE RH [VB-SHORT] | RH side curtain air bag module circuit is shorted to some power supply circuit. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace RH side curtain air bag module.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <RH side curtain air bag module>                                                                                                                                                                         |                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                            | Repair order                                                                                                                                                                                                                                                         |
| <p>a through f are repeated.<br/>f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the RH side curtain air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

JM/HIA0043GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1146 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-144](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-144](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069890

## B1146 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

# B1147 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1147 CURTAIN MODULE RH

### Description

INFOID:000000001069891

### DTC B1147 [GND-SHORT] CURTAIN MODULE RH

For curtain air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000001069892

### DTC DETECTION LOGIC

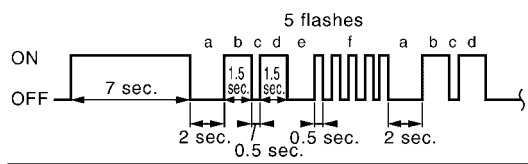
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name        | DTC detecting condition                                 | Possible cause                                                                                                                                                                           |
|---------|-------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1147   | CURTAIN MODULE RH [GND-SHORT] | RH curtain air bag module circuit is shorted to ground. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace RH curtain air bag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <RH side curtain air bag module>                                                                             |                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                | Repair order                                                                                                                                                                                          |
| a through f are repeated.<br>f: Five flashes indicate malfunctioning RH side curtain air bag module circuit. | 1. Visually check the wiring harness connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace the RH side curtain air bag module.<br>4. Replace the diagnosis sensor unit (ACU). |
|                           |                                                                                                                                                                                                       |

JMHI A0043GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1147 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-147](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-147](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069893

## B1147 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1148 CURTAIN MODULE RH

### Description

INFOID:000000001069894

### DTC B1148 [SHORT] CURTAIN MODULE RH

For curtain air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000001069895

### DTC DETECTION LOGIC

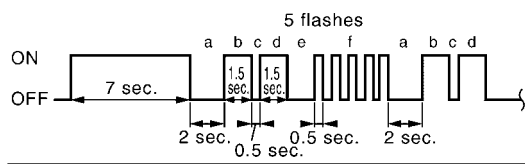
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name    | DTC detecting condition                                      | Possible cause                                                                                                                                                                                                                                          |
|---------|---------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1148   | CURTAIN MODULE RH [SHORT] | RH curtain air bag module circuit are shorted to each other. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace RH curtain air bag module.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <RH side curtain air bag module>                                                                                                                                                                         |                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                            | Repair order                                                                                                                                                                                                                                                         |
| <p>a through f are repeated.<br/>f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the RH side curtain air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

JM/HIA0043GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1148 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-150](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-150](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069896

## B1148 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

## B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

### B1150 CURTAIN MODULE LH

#### Description

INFOID:000000001069897

#### DTC B1150 [OPEN] CURTAIN MODULE LH

For curtain air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

#### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

#### STRUCTURE

Curtain air bag module mainly consists of air bag and inflator which inflates air bag.

#### INSTALLATION

Curtain air bag module is installed on the roof side with fixed bolts.

#### DTC Logic

INFOID:000000001069898

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name   | DTC detecting condition                    | Possible cause                                                                                                                                                                           |
|---------|--------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1150   | CURTAIN MODULE LH [OPEN] | LH curtain air bag module circuit is open. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace LH curtain air bag module.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <LH side curtain air bag module>                                                                                                                                                                                                                                                               | Repair order                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Flash pattern</p> <p>a through f are repeated.<br/>f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p> <p>ON<br/>OFF</p> <p>7 sec.<br/>2 sec.<br/>0.5 sec.</p> <p>a b c d e f<br/>1.5 sec. 1.5 sec. 1.5 sec. 1.5 sec. 1.5 sec. 1.5 sec.</p> <p>6 flashes</p> | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the LH side curtain air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

JMHI A0044GB

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1150 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-153](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-153](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069899

## B1150 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1151 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1151 CURTAIN MODULE LH

### Description

INFOID:000000001069900

### DTC B1151 [VB-SHORT] CURTAIN MODULE LH

For curtain air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000001069901

### DTC DETECTION LOGIC

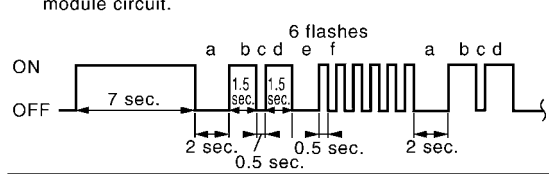
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name       | DTC detecting condition                                                    | Possible cause                                                                                                                                                                                                                                          |
|---------|------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1151   | CURTAIN MODULE LH [VB-SHORT] | LH curtain air bag module circuit is shorted to some power supply circuit. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace LH curtain air bag module.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <LH side curtain air bag module>                                                                                                                                                                        |                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                           | Repair order                                                                                                                                                                                                                                                         |
| <p>a through f are repeated.<br/>f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the LH side curtain air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

JMHI A0044GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1151 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-156](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-156](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069902

## B1151 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

## B1152 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

### B1152 CURTAIN MODULE LH

#### Description

INFOID:000000001069903

#### DTC B1152 [GND-SHORT] CURTAIN MODULE LH

For curtain air bag, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

#### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

#### STRUCTURE

Curtain air bag module mainly consists of air bag and inflator which inflates air bag.

#### INSTALLATION

Curtain air bag module is installed on the roof side with fixed bolts.

#### DTC Logic

INFOID:000000001069904

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name        | DTC detecting condition                                 | Possible cause                                                                                                                                                                                                                                         |
|---------|-------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1152   | CURTAIN MODULE LH [GND-SHORT] | LH curtain air bag module circuit is shorted to ground. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace LH curtain airbag module.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <LH side curtain air bag module>                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                                                                                                                         | Repair order                                                                                                                                                                                                                                                         |
| <p>a through f are repeated.<br/>f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p> <p>ON<br/>OFF</p> <p>7 sec.<br/>1.5 sec.<br/>1.5 sec.<br/>1.5 sec.<br/>1.5 sec.<br/>1.5 sec.<br/>2 sec.<br/>0.5 sec.<br/>0.5 sec.<br/>2 sec.</p> <p>6 flashes<br/>a b c d e f</p> | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the LH side curtain air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

JMHI A0044GB

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONSLT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1152 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-159](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-159](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069905

## B1152 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

## A

## B

## C

INFOID:0000000001069906

## D

5

—

1

## 25

## 3

34

INFOID:0000000001069907

## 1

22

Turn ignition switch ON.

>> GO TO 2.

## 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1153 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-162](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-162](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069908

## B1153 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

## B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

### Description

INFOID:0000000001070023

### DTC B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:0000000001070024

### DTC DETECTION LOGIC

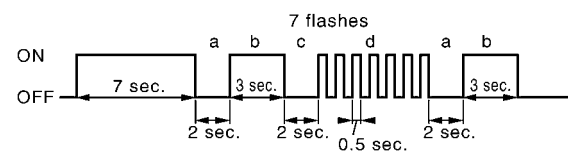
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|----------------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1170<br>B1171<br>B1172<br>B1173<br>B1174<br>B1175 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                              |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                        | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. | 1. Replace the diagnosis sensor unit (ACU). |
|                   |                                             |

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### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

# B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001070025

## B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1177 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

## B1177 PRE-TEN2 FRONT RH

### Description

INFOID:000000001070026

### DTC B1177 [OPEN] PRE-TEN2 FRONT RH

For seat belt pre-tensioner2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner2 is installed on the under side of center pillar with fixed bolt.

### DTC Logic

INFOID:000000001070027

### DTC DETECTION LOGIC

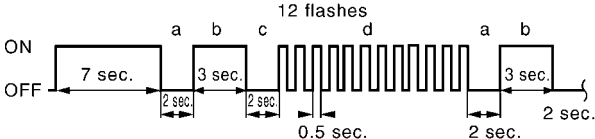
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name   | DTC detecting condition                            | Possible cause                                                                                                                                                                                   |
|---------|--------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1177   | PRE-TEN2 FRONT RH [OPEN] | Front RH seat belt pre-tensioner2 circuit is open. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front RH seat belt pre-tensioner2.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front RH seat belt pre-tensioner 2>                                                                                |                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                       | Repair order                                                                                                                                                                                               |
| a through d are repeated.<br>d: Twelve flashes indicates malfunctioning front RH seat belt pre-tensioner 2 circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front RH seat belt pre-tensioner 2.<br>4. Replace the diagnosis sensor unit (ACU). |
|                                  |                                                                                                                                                                                                            |

JM/HIA0223GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

## B1177 PRE-TEN2 FRONT RH

### < COMPONENT DIAGNOSIS >

---

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-168](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-168](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001070028

## B1177 PRE-TEN2 FRONT RH

### < COMPONENT DIAGNOSIS >

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER2

Is "SEAT BELT PRE-TENSIONER2" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner2.

NO >> Replace diagnosis sensor unit (ACU).

## B1178 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

### B1178 PRE-TEN2 FRONT RH

#### Description

INFOID:000000001070029

#### DTC B1178 [VB-SHORT] PRE-TEN2 FRONT RH

For seat belt pre-tensioner2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

#### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

#### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

#### INSTALLATION

Seat belt pre-tensioner2 is installed on the under side of center pillar with fixed bolt.

#### DTC Logic

INFOID:000000001070030

#### DTC DETECTION LOGIC

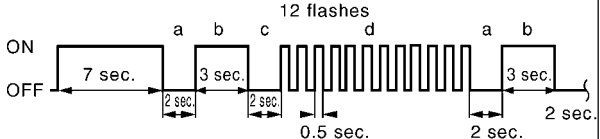
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name       | DTC detecting condition                                                            | Possible cause                                                                                                                                                                                                                                                  |
|---------|------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1178   | PRE-TEN2 FRONT RH [VB-SHORT] | Front RH seat belt pre-tensioner2 circuit is shorted to some power supply circuit. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace front RH seat belt pre-tensioner2.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Front RH seat belt pre-tensioner 2>                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                                   | Repair order                                                                                                                                                                                                                                                              |
| <p>a through d are repeated.<br/>d: Twelve flashes indicates malfunctioning front RH seat belt pre-tensioner 2 circuit.</p>  | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connections.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the front RH seat belt pre-tensioner 2.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

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#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONCONSULT-III

## B1178 PRE-TEN2 FRONT RH

### < COMPONENT DIAGNOSIS >

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE

If DTC is detected. Refer to [SRC-171](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-171](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1178 PRE-TEN2 FRONT RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER2

---

Is "SEAT BELT PRE-TENSIONER2" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner2.

NO >> Replace diagnosis sensor unit (ACU).

# B1179 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

## B1179 PRE-TEN2 FRONT RH

### Description

INFOID:0000000001070032

### DTC B1179 [GND-SHORT] PRE-TEN2 FRONT RH

For seat belt pre-tensioner2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner2 is installed on the under side of center pillar with fixed bolt.

### DTC Logic

INFOID:0000000001070033

### DTC DETECTION LOGIC

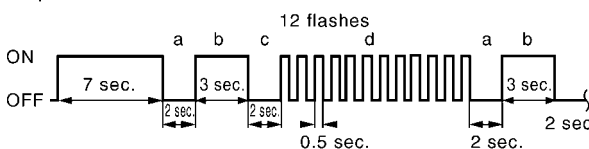
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name        | DTC detecting condition                                         | Possible cause                                                                                                                                                                                   |
|---------|-------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1179   | PRE-TEN2 FRONT RH [GND-SHORT] | Front RH seat belt pre-tensioner2 circuit is shorted to ground. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front RH seat belt pre-tensioner2.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front RH seat belt pre-tensioner 2>                                                                                |                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                       | Repair order                                                                                                                                                                                               |
| a through d are repeated.<br>d: Twelve flashes indicates malfunctioning front RH seat belt pre-tensioner 2 circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front RH seat belt pre-tensioner 2.<br>4. Replace the diagnosis sensor unit (ACU). |
|                                  |                                                                                                                                                                                                            |

JM/HIA0223GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

## B1179 PRE-TEN2 FRONT RH

### < COMPONENT DIAGNOSIS >

---

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-174](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-174](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001070034

## B1179 PRE-TEN2 FRONT RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER2

---

Is "SEAT BELT PRE-TENSIONER2" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner2.

NO >> Replace diagnosis sensor unit (ACU).

## B1180 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

### B1180 PRE-TEN2 FRONT RH

#### Description

INFOID:0000000001070035

#### DTC B1180 [SHORT] PRE-TEN2 FRONT RH

For seat belt pre-tensioner2, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

#### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

#### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

#### INSTALLATION

Seat belt pre-tensioner2 is installed on the under side of center pillar with fixed bolt.

#### DTC Logic

INFOID:0000000001070036

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

| DTC No. | Trouble diagnosis name    | DTC detecting condition                                              | Possible cause                                                                                                                                                                                                                                                  |
|---------|---------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1180   | PRE-TEN2 FRONT RH [SHORT] | Front RH seat belt pre-tensioner2 circuit are shorted to each other. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace front RH seat belt pre-tensioner2.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Front RH seat belt pre-tensioner 2>                                                                                        |                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                               | Repair order                                                                                                                                                                                                                                                              |
| <p>a through d are repeated.<br/>d: Twelve flashes indicates malfunctioning front RH seat belt pre-tensioner 2 circuit.</p> | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connections.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the front RH seat belt pre-tensioner 2.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

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#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONSUULT-III

## B1180 PRE-TEN2 FRONT RH

### < COMPONENT DIAGNOSIS >

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE.

If DTC is detected. Refer to [SRC-177](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-177](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

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

SRC

## B1180 PRE-TEN2 FRONT RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER2

---

Is "SEAT BELT PRE-TENSIONER2" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner2.

NO >> Replace diagnosis sensor unit (ACU).

# B1182 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

## B1182 PRE-TEN2 FRONT LH

### Description

INFOID:000000001070038

### DTC B1182 [OPEN] PRE-TEN2 FRONT LH

For seat belt pre-tensioner2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner2 is installed on the under side of center pillar with fixed bolt.

### DTC Logic

INFOID:000000001070039

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name   | DTC detecting condition                            | Possible cause                                                                                                                                                                                   |
|---------|--------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1182   | PRE-TEN2 FRONT LH [OPEN] | Front LH seat belt pre-tensioner2 circuit is open. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front LH seat belt pre-tensioner2.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front LH seat belt pre-tensioner 2>                                                                                 |                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                        | Repair order                                                                                                                                                                                               |
| a through d are repeated.<br>d: Thirteen flashes indicate malfunctioning front LH seat belt pre-tensioner 2 circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front LH seat belt pre-tensioner 2.<br>4. Replace the diagnosis sensor unit (ACU). |
|                                                                                                                      |                                                                                                                                                                                                            |

JM/HIA0222GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSLT-III

## B1182 PRE-TEN2 FRONT LH

### < COMPONENT DIAGNOSIS >

---

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-180](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-180](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001070040

## B1182 PRE-TEN2 FRONT LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER2

---

Is "SEAT BELT PRE-TENSIONER2" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner2.

NO >> Replace diagnosis sensor unit (ACU).

## < COMPONENT DIAGNOSIS >

### Description

INFOID:0000000001070041

For seat belt pre-tensioner2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

Seat belt pre-tensioner<sup>2</sup> is installed on the under side of center pillar with fixed bolt.

INFOID:00000000001070042

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

| DTC No. | Trouble diagnosis name       | DTC detecting condition                                                            | Possible cause                                                                                                                                                                                                                                                       |
|---------|------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1183   | PRE-TEN2 FRONT LH [VB-SHORT] | Front LH seat belt pre-tensioner2 circuit is shorted to some power supply circuit. | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front LH seat belt pre-tensioner2.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol> |

## Warning Lamp Flash Code Chart

| <Front LH seat belt pre-tensioner 2>                                                                                            |                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                   | Repair order                                                                                                                                                                                                                                                                   |
| <p>a through d are repeated.</p> <p>d: Thirteen flashes indicate malfunctioning front LH seat belt pre-tensioner 2 circuit.</p> | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt pre-tensioner 2.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol> |

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## 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

## 2. CONSULT-III

## B1183 PRE-TEN2 FRONT LH

### < COMPONENT DIAGNOSIS >

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE.

If DTC is detected. Refer to [SRC-183](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-183](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1183 PRE-TEN2 FRONT LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER2

---

Is "SEAT BELT PRE-TENSIONER2" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner2.

NO >> Replace diagnosis sensor unit (ACU).

# B1184 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

## B1184 PRE-TEN2 FRONT LH

### Description

INFOID:000000001070044

### DTC B1184 [GND-SHORT] PRE-TEN2 FRONT LH

For seat belt pre-tensioner2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Seat belt pre-tensioner2 is installed on the under side of center pillar with fixed bolt.

### DTC Logic

INFOID:000000001070045

### DTC DETECTION LOGIC

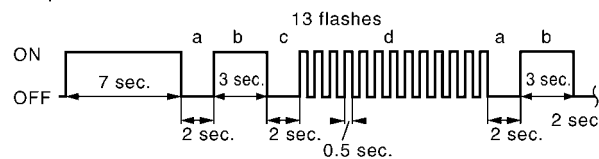
With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name        | DTC detecting condition                                         | Possible cause                                                                                                                                                                                   |
|---------|-------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1184   | PRE-TEN2 FRONT LH [GND-SHORT] | Front LH seat belt pre-tensioner2 circuit is shorted to ground. | 1. Visually check the wiring harness-connection.<br>2. Replace the harness if it has visible damage.<br>3. Replace front LH seat belt pre-tensioner2.<br>4. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Front LH seat belt pre-tensioner 2>                                                                                 |                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                        | Repair order                                                                                                                                                                                               |
| a through d are repeated.<br>d: Thirteen flashes indicate malfunctioning front LH seat belt pre-tensioner 2 circuit. | 1. Visually check the wiring harness connections.<br>2. Replace the harness if it has visible damage.<br>3. Replace the front LH seat belt pre-tensioner 2.<br>4. Replace the diagnosis sensor unit (ACU). |
|                                   |                                                                                                                                                                                                            |

JM/HIA0222GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONCONSULT-III

## B1184 PRE-TEN2 FRONT LH

### < COMPONENT DIAGNOSIS >

---

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-186](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-186](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001070046

## B1184 PRE-TEN2 FRONT LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER2

---

Is "SEAT BELT PRE-TENSIONER2" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner2.

NO >> Replace diagnosis sensor unit (ACU).

## B1185 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

### B1185 PRE-TEN2 FRONT LH

#### Description

INFOID:000000001070047

#### DTC B1185 [SHORT] PRE-TEN2 FRONT LH

For seat belt pre-tensioner2, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

#### OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

#### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

#### INSTALLATION

Seat belt pre-tensioner2 is installed on the under side of center pillar with fixed bolt.

#### DTC Logic

INFOID:000000001070048

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

| DTC No. | Trouble diagnosis name    | DTC detecting condition                                              | Possible cause                                                                                                                                                                                                                                                  |
|---------|---------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1185   | PRE-TEN2 FRONT LH [SHORT] | Front LH seat belt pre-tensioner2 circuit are shorted to each other. | <ol style="list-style-type: none"><li>1. Visually check the wiring harness-connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace front LH seat belt pre-tensioner2.</li><li>4. Replace diagnosis sensor unit (ACU).</li></ol> |

Without CONSULT-III

#### Warning Lamp Flash Code Chart

| <Front LH seat belt pre-tensioner 2>                                                                                                                                                                                             |                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                                                    | Repair order                                                                                                                                                                                                                                                              |
| <p>a through d are repeated.<br/>d: Thirteen flashes indicate malfunctioning front LH seat belt pre-tensioner 2 circuit.</p> <p>ON<br/>OFF</p> <p>7 sec.<br/>3 sec.<br/>2 sec.<br/>2 sec.<br/>0.5 sec.<br/>3 sec.<br/>2 sec.</p> | <ol style="list-style-type: none"><li>1. Visually check the wiring harness connections.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the front LH seat belt pre-tensioner 2.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol> |

JMHI/A0222GB

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONCONSULT-III

## B1185 PRE-TEN2 FRONT LH

### < COMPONENT DIAGNOSIS >

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE.

If DTC is detected. Refer to [SRC-189](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-189](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

## B1185 PRE-TEN2 FRONT LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER2

---

Is "SEAT BELT PRE-TENSIONER2" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner2.

NO >> Replace diagnosis sensor unit (ACU).

# B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

## < COMPONENT DIAGNOSIS >

## B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

### Description

INFOID:0000000001069909

### DTC B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester "CONSULT-III".

### OPERATION

It detects a shock that exceeds specified level and watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors of both for frontal collision and for side collision and spare battery function in case of main battery damage in collision.

### INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:0000000001069910

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                | Possible cause                          |
|----------------------------------------------------|------------------------|----------------------------------------|-----------------------------------------|
| B1202<br>B1203<br>B1204<br>B1205<br>B1206<br>B1207 | DIAGNOSIS SENSOR UNIT  | Diagnosis sensor unit is out of order. | 1. Replace diagnosis sensor unit (ACU). |

Without CONSULT-III

### Warning Lamp Flash Code Chart

| <Diagnosis sensor unit>                                                                              |                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Flash pattern                                                                                        | Repair order                                |
| a through d are repeated.<br>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. | 1. Replace the diagnosis sensor unit (ACU). |
|                                                                                                      |                                             |

JM-HIA0034GB

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

## B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-21](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-21](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001069911

## B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

## B1209 FRONTAL COLLISION DETECTION

### Description

INFOID:000000001069912

### DTC B1209 FRONTAL COLLISION DETECTION

If the components that are not activated in frontal collision are reused, they should be checked for damage by CONSULT-III or air bag warning lamp. Repair or replace malfunctioning components.

### OPERATION

The air bag and seat belt pre-tensioners for driver and front seat passenger are operated by the decision of the diagnosis sensor unit out signal transmitted because of the frontal collision.

### STRUCTURE

It consists of crash zone sensor, diagnosis sensor unit (ACU), air bags and seat belt pre-tensioners for drivers and front passenger.

### INSTALLATION

Refer to [SR-14, "Removal and Installation"](#), [SR-16, "Removal and Installation"](#), [SR-4, "Removal and Installation"](#), [SR-8, "Removal and Installation"](#), [SR-18, "Removal and Installation"](#).

### DTC Logic

INFOID:000000001069913

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name      | DTC detecting condition                            | Possible cause                                                                                                              |
|---------|-----------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| B1209   | FRONTAL COLLISION DETECTION | Seat belt pretensioner, front air bag is deployed. | <ul style="list-style-type: none"><li>Go to <a href="#">SRC-194, "Diagnosis Procedure (Component diagnosis)"</a>.</li></ul> |

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2. CONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

#### 3. DTC CODE

If DTC is detected. Refer to [SRC-194](#)

>> END

### Diagnosis Procedure (Component diagnosis)

INFOID:000000001069914

# B1209 FRONTAL COLLISION DETECTION

## < COMPONENT DIAGNOSIS >

With CONSULT-III

### CAUTION:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK FOR FRONT "AIR BAG" (DRIVER SIDE OR PASSENGER SIDE)

Is the "AIR BAG" module deployed?

YES >> Replace front air bag module.

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

### 2.CHECK FOR "SEAT BELT" PRE-TENSIONER

Is the "SEAT BELT" pre-tensioner activated?

YES >> Replace seat belt pre-tensioner.

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

### 3.CHECK FOR "AIR BAG" DIAGNOSIS SENSOR UNIT

Is the "AIR BAG" module and/or "SEAT BELT" pre-tensioner activated?

YES >> Replace diagnosis sensor unit (ACU).

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

### 4.CHECK FOR STEERING WHEEL

Is the steering wheel normal, without any damage?

YES >> Replace, if there are any visible signs of damage. (dents, tears or deformation)

NO >> Replace steering wheel.

### 5.CHECK FOR SPIRAL CABLE

Is the spiral cable normal, without excessive heavy operation force, abnormal noise or damage?

YES >> The spiral cable used again.

NO >> Replace spiral cable.

### 6.CHECK FOR WIRING HARNESS

Is the wiring harness normal, without any damage?

YES >> Replace, if there are any visible signs of damage. (dents, tears or deformation)

NO >> Replace wiring harness or harness connector.

### 7.CHECK FOR INSTRUMENT PANEL

Is the "PASSENGER AIR BAG" module activated?

YES >> Replace instrument panel.

NO >> Replace, if there are any visible signs of damage. (dents, tears or deformation)

# B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

## B1210 SIDE COLLISION DETECTION

### Description

INFOID:000000001069915

#### DTC B1210 SIDE COLLISION DETECTION

If the components that are not activated in side collision are reused, they should be checked for damage by CONSULT-III or air bag warning lamp. Repair or replace the malfunctioning parts.

#### OPERATION

The side air bag and curtain air bag are operated by the decision of the diagnosis sensor unit (ACU) signal of the side collision.

#### STRUCTURE

It consists of satellite sensor, diagnosis sensor unit (ACU), side air bag and curtain air bag.

#### INSTALLATION

Refer to [SR-15. "Removal and Installation"](#), [SR-16. "Removal and Installation"](#), [SR-12. "Removal and Installation"](#). [SR-10. "Removal and Installation"](#).

### DTC Logic

INFOID:000000001069916

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

| DTC No. | Trouble diagnosis name   | DTC detecting condition            | Possible cause                                                                                                              |
|---------|--------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| B1210   | SIDE COLLISION DETECTION | Side, curtain air bag is deployed. | <ul style="list-style-type: none"><li>Go to <a href="#">SRC-196. "Diagnosis Procedure (Component diagnosis)"</a>.</li></ul> |

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONCONSULT-III

Check the "SELF-DIAG" RESULT with CONSULT-III.

>> GO TO 3.

##### 3.DTC CODE

If DTC is detected. Refer to [SRC-196](#)

>> END

#### Diagnosis Procedure (Component diagnosis)

INFOID:000000001069917

With CONSULT-III

## B1210 SIDE COLLISION DETECTION

### < COMPONENT DIAGNOSIS >

#### CAUTION:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor)
- Do not use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### 1.CHECK FOR "SIDE AIR BAG"

##### Is the "SIDE AIR BAG" module deployed?

YES >> Replace side air bag module."

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 2.CHECK FOR "CURTAIN AIR BAG".

##### Is the "CURTAIN AIR BAG" module activated?

YES >> Replace curtain air bag module.

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 3.CHECK FOR SATELLITE SENSOR

##### Is the "SIDE AIR BAG" module and/or "CURTAIN AIR BAG" module activated?

YES >> Replace satellite sensor.

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 4.CHECK FOR DIAGNOSIS SENSOR UNIT

##### Is the "SIDE AIR BAG" module and/or "CURTAIN AIR BAG" module activated?

YES >> Replace diagnosis sensor unit (ACU).

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 5.CHECK FOR "SEAT BELT" PRE-TENSIONER

##### Is the seat belt able to extend smoothly any visible signs of damage?

YES >> Replace, if there are any malfunction signs checking with CONSULT-III.

NO >> Replace seat belt" pre-tensioner.

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## ECU DIAGNOSIS

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:000000001069918

DTC No. Index (With CONSULT-III)

("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

#### NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

| Diagnostic item                                                                  | Explanation                                                                                                                                                                                                                                                                                                                                            | Repair order<br>"Recheck SRS at each replacement"                                                                                                                                                                                               |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NO DTC IS DETECTED.                                                              | When malfunction is indicated by the "AIR BAG" warning lamp in User mode. <ul style="list-style-type: none"> <li>Low battery voltage (Less than 9 V)</li> <li>Self-diagnosis result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair.</li> <li>Intermittent malfunction has been detected in the past.</li> </ul> | <ul style="list-style-type: none"> <li>Go to <a href="#">SRC-10, "Diagnosis Description"</a>.</li> </ul>                                                                                                                                        |
|                                                                                  | <ul style="list-style-type: none"> <li>No malfunction is detected.</li> </ul>                                                                                                                                                                                                                                                                          | —                                                                                                                                                                                                                                               |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT) [B1001-B1015]                               | <ul style="list-style-type: none"> <li>Diagnosis sensor is out of order.</li> </ul>                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>Replace diagnosis sensor unit (ACU).</li> </ul>                                                                                                                                                          |
| PASS A/B INDCTR CKT [B1023]                                                      | <ul style="list-style-type: none"> <li>Front passenger air bag cut-off indicator circuit is open, or shorted each other or to ground.</li> </ul>                                                                                                                                                                                                       | <ol style="list-style-type: none"> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace cut-off indicator unit.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>   |
| PASS A/B DEACT SW [B1024]                                                        | <ul style="list-style-type: none"> <li>Front passenger air bag deactivation switch unit is malfunctioning.</li> </ul>                                                                                                                                                                                                                                  | <ol style="list-style-type: none"> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace deactivation switch unit.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol> |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT) [B1026-B1031]                               | <ul style="list-style-type: none"> <li>Diagnosis sensor is out of order.</li> </ul>                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>Replace diagnosis sensor unit (ACU).</li> </ul>                                                                                                                                                          |
| CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034]<br>CRASH ZONE SEN [COMM FAIL] [B1035] | <ul style="list-style-type: none"> <li>Crash zone sensor is out of order.</li> </ul>                                                                                                                                                                                                                                                                   | <ol style="list-style-type: none"> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace crash zone sensor.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>        |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT) [B1042-B1047]                               | <ul style="list-style-type: none"> <li>Diagnosis sensor is out of order.</li> </ul>                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>Replace diagnosis sensor unit (ACU).</li> </ul>                                                                                                                                                          |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

| Diagnostic item                                       | Explanation                                                                                            | Repair order<br>"Recheck SRS at each replacement"                                                                                                                                                                                                                                          |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRIVER AIRBAG MODULE<br>[OPEN]<br>[B1054]             | • Driver air bag module circuit is open. (including the spiral cable.)                                 | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace driver air bag module.</li> <li>4. Replace spiral cable.</li> <li>5. Replace diagnosis sensor unit (ACU).</li> </ol> |
| DRIVER AIRBAG MODULE<br>[VB-SHORT]<br>[B1055]         | • Driver air bag module circuit is shorted to some power supply circuit. (including the spiral cable.) |                                                                                                                                                                                                                                                                                            |
| DRIVER AIRBAG MODULE<br>[GND-SHORT]<br>[B1056]        | • Driver air bag module circuit is shorted to ground. (including the spiral cable.)                    |                                                                                                                                                                                                                                                                                            |
| DRIVER AIRBAG MODULE<br>[SHORT]<br>[B1057]            | • Driver air bag module circuit is shorted to each other. (including spiral cable.)                    |                                                                                                                                                                                                                                                                                            |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT)<br>[B1058-B1063] | • Diagnosis sensor is out of order.                                                                    | • Replace diagnosis sensor unit (ACU).                                                                                                                                                                                                                                                     |
| ASSIST A/B MODULE<br>[OPEN]<br>[B1070]                | • Front passenger air bag module circuit is open.                                                      | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front passenger air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>                          |
| ASSIST A/B MODULE<br>[VB-SHORT]<br>[B1071]            | • Front passenger air bag module circuit is shorted to some power supply circuit.                      |                                                                                                                                                                                                                                                                                            |
| ASSIST A/B MODULE<br>[GND-SHORT]<br>[B1072]           | • Front passenger air bag module circuit is shorted to ground.                                         |                                                                                                                                                                                                                                                                                            |
| ASSIST A/B MODULE<br>[SHORT]<br>[B1073]               | • Front passenger air bag module circuit is shorted to each other.                                     |                                                                                                                                                                                                                                                                                            |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT)<br>[B1074-B1079] | • Diagnosis sensor is out of order.                                                                    | • Replace diagnosis sensor unit (ACU).                                                                                                                                                                                                                                                     |
| PRE-TEN FRONT RH<br>[OPEN]<br>[B1081]                 | • Front RH pre-tensioner circuit is open.                                                              | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front RH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>                                     |
| PRE-TEN FRONT RH<br>[VB-SHORT]<br>[B1082]             | • Front RH pre-tensioner circuit is shorted to some power supply circuit.                              |                                                                                                                                                                                                                                                                                            |
| PRE-TEN FRONT RH<br>[GND-SHORT]<br>[B1083]            | • Front RH pre-tensioner circuit is shorted to ground.                                                 |                                                                                                                                                                                                                                                                                            |
| PRE-TEN FRONT RH<br>[SHORT]<br>[B1084]                | • Front RH pre-tensioner circuit is shorted to each other.                                             |                                                                                                                                                                                                                                                                                            |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

| Diagnostic item                                                                                       | Explanation                                                                     | Repair order<br>"Recheck SRS at each replacement"                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRE-TEN FRONT LH<br>[OPEN]<br>[B1086]                                                                 | • Front LH pre-tensioner circuit is open.                                       | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front LH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>                |
| PRE-TEN FRONT LH<br>[VB-SHORT]<br>[B1087]                                                             | • Front LH pre-tensioner circuit is shorted to some power supply circuit.       |                                                                                                                                                                                                                                                                       |
| PRE-TEN FRONT LH<br>[GND-SHORT]<br>[B1088]                                                            | • Front LH pre-tensioner circuit is shorted to ground.                          |                                                                                                                                                                                                                                                                       |
| PRE-TEN FRONT LH<br>[SHORT]<br>[B1089]                                                                | • Front LH pre-tensioner circuit is shorted to each other.                      |                                                                                                                                                                                                                                                                       |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT)<br>[B1106-B1111]                                                 | • Diagnosis sensor is out of order.                                             | • Replace diagnosis sensor unit (ACU).                                                                                                                                                                                                                                |
| SATELLITE SENS RH<br>[UNIT FAIL]<br>[B1113]<br>[B1114]<br>SATELLITE SENS RH<br>[COMM FAIL]<br>[B1115] | • RH side air bag (satellite) sensor is out of order.                           | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace RH side air bag (Satellite) sensor.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol> |
| SATELLITE SENS LH<br>[UNIT FAIL]<br>[B1118]<br>[B1119]<br>SATELLITE SENS LH<br>[COMM FAIL]<br>[B1120] | • LH side air bag (satellite) sensor is out of order.                           | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace LH side air bag (Satellite) sensor.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol> |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT)<br>[B1122-B1127]                                                 | • Diagnosis sensor is out of order.                                             | • Replace diagnosis sensor unit (ACU).                                                                                                                                                                                                                                |
| SIDE MODULE RH<br>[OPEN]<br>[B1129]                                                                   | • Front RH side air bag module circuit is open.                                 | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front RH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>       |
| SIDE MODULE RH<br>[VB-SHORT]<br>[B1130]                                                               | • Front RH side air bag module circuit is shorted to some power supply circuit. |                                                                                                                                                                                                                                                                       |
| SIDE MODULE RH<br>[GND-SHORT]<br>[B1131]                                                              | • Front RH side air bag module circuit is shorted to ground.                    |                                                                                                                                                                                                                                                                       |
| SIDE MODULE RH<br>[SHORT]<br>[B1132]                                                                  | • Front RH side air bag module circuit is shorted to each other.                |                                                                                                                                                                                                                                                                       |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

| Diagnostic item                                       | Explanation                                                                        | Repair order<br>"Recheck SRS at each replacement"                                                                                                                                                                                                                     |
|-------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIDE MODULE LH<br>[OPEN]<br>[B1134]                   | • Front LH side air bag module circuit is open.                                    | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front LH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>       |
| SIDE MODULE LH<br>[VB-SHORT]<br>[B1135]               | • Front LH side air bag module circuit is shorted to some power supply circuit.    |                                                                                                                                                                                                                                                                       |
| SIDE MODULE LH<br>[GND-SHORT]<br>[B1136]              | • Front LH side air bag module circuit is shorted to ground.                       |                                                                                                                                                                                                                                                                       |
| SIDE MODULE LH<br>[SHORT]<br>[B1137]                  | • Front LH side air bag module circuit is shorted to each other.                   |                                                                                                                                                                                                                                                                       |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT)<br>[B1138-B1143] | • Diagnosis sensor is out of order.                                                | • Replace diagnosis sensor unit (ACU).                                                                                                                                                                                                                                |
| CURTAIN MODULE RH<br>[OPEN]<br>[B1145]                | • RH side curtain air bag module circuit is open.                                  | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace RH side curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>     |
| CURTAIN MODULE RH<br>[VB-SHORT]<br>[B1146]            | • RH side curtain air bag module circuit is shorted to some power supply circuit.  |                                                                                                                                                                                                                                                                       |
| CURTAIN MODULE RH<br>[GND-SHORT]<br>[B1147]           | • RH side curtain air bag module circuit is shorted to ground.                     |                                                                                                                                                                                                                                                                       |
| CURTAIN MODULE RH<br>[SHORT]<br>[B1148]               | • RH side curtain air bag module circuit is shorted to each other.                 |                                                                                                                                                                                                                                                                       |
| CURTAIN MODULE LH<br>[OPEN]<br>[B1150]                | • LH side curtain air bag module circuit is open.                                  | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace LH side curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>     |
| CURTAIN MODULE LH<br>[VB-SHORT]<br>[B1151]            | • LH side curtain air bag module circuit is shorted to some power supply circuits. |                                                                                                                                                                                                                                                                       |
| CURTAIN MODULE LH<br>[GND-SHORT]<br>[B1152]           | • LH side curtain air bag module circuit is shorted to ground.                     |                                                                                                                                                                                                                                                                       |
| CURTAIN MODULE LH<br>[SHORT]<br>[B1153]               | • LH side curtain air bag module circuit is shorted to each other.                 |                                                                                                                                                                                                                                                                       |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT)<br>[B1170-B1175] | • Diagnosis sensor is out of order.                                                | • Replace diagnosis sensor unit (ACU).                                                                                                                                                                                                                                |
| PRE-TEN2 FRONT RH*<br>[OPEN]<br>[B1177]               | • Front RH pre-tensioner2 circuit is open.                                         | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front RH seat belt pre-tensioner2.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol> |
| PRE-TEN2 FRONT RH*<br>[VB-SHORT]<br>[B1178]           | • Front RH pre-tensioner2 circuit is shorted to some power supply circuit.         |                                                                                                                                                                                                                                                                       |
| PRE-TEN2 FRONT RH*<br>[GND-SHORT]<br>[B1179]          | • Front RH pre-tensioner2 circuit is shorted to ground.                            |                                                                                                                                                                                                                                                                       |
| PRE-TEN2 FRONT RH*<br>[SHORT]<br>[B1180]              | • Front RH pre-tensioner2 circuit is shorted to each other.                        |                                                                                                                                                                                                                                                                       |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

| Diagnostic item                                       | Explanation                                                                | Repair order<br>"Recheck SRS at each replacement"                                                                                                                                                                                                                     |
|-------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRE-TEN2 FRONT LH<br>[OPEN]<br>[B1182]                | • Front LH pre-tensioner2 circuit is open.                                 | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front LH seat belt pre-tensioner2.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol> |
| PRE-TEN2 FRONT LH<br>[VB-SHORT]<br>[B1183]            | • Front LH pre-tensioner2 circuit is shorted to some power supply circuit. |                                                                                                                                                                                                                                                                       |
| PRE-TEN2 FRONT LH<br>[GND-SHORT]<br>[B1184]           | • Front LH pre-tensioner2 circuit is shorted to ground.                    |                                                                                                                                                                                                                                                                       |
| PRE-TEN2 FRONT LH<br>[SHORT]<br>[B1185]               | • Front LH pre-tensioner2 circuit is shorted to each other.                |                                                                                                                                                                                                                                                                       |
| DIAGNOSIS SENSOR UNIT (CONTROL UNIT)<br>[B1202-B1207] | • Diagnosis sensor is out of order.                                        | • Replace diagnosis sensor unit (ACU).                                                                                                                                                                                                                                |
| FRONTAL COLLISION DETECTION<br>[B1209]                | • Seat belt pre-tensioner and front air bag is deployed.                   | • Go to <a href="#">SRC-194</a> , " <a href="#">Diagnosis Procedure (Component diagnosis)</a> ".                                                                                                                                                                      |
| SIDE COLLISION DETECTION<br>[B1210]                   | • Side and curtain air bag is deployed.                                    | • Go to <a href="#">SRC-196</a> , " <a href="#">Diagnosis Procedure (Component diagnosis)</a> ".                                                                                                                                                                      |

\*: with RHD models.

## WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

### NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

| <Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.> |                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                       | Repair order                                                                                                                                       |
| <p>a through b are repeated.</p> <p>IGN ON</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p>                         | <ol style="list-style-type: none"> <li>1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)</li> </ol> |

PHIA0532E

| <Diagnosis sensor unit>                                                                                                                                                                                                                                   |                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                                                                                                                             | Repair order                                                                                  |
| <p>a through d are repeated.</p> <p>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p> <p>7 flashes</p> <p>0.5 sec.</p> <p>2 sec.</p> <p>3 sec.</p> | <ol style="list-style-type: none"> <li>1. Replace the diagnosis sensor unit (ACU).</li> </ol> |

JMHIA0034GB

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

|                                                                                                                          |                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <Front passenger air bag indicator CKT>                                                                                  |                                                                                                                                                                                                                                                                                                        |
| Flash pattern                                                                                                            | Repair order                                                                                                                                                                                                                                                                                           |
| <p>a through d are repeated.<br/>d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.</p>    | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front passenger air bag off indicator unit.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>                      |
| JMHI A0233GB                                                                                                             |                                                                                                                                                                                                                                                                                                        |
| <Front passenger air bag deactivation switch>                                                                            |                                                                                                                                                                                                                                                                                                        |
| Flash pattern                                                                                                            | Repair order                                                                                                                                                                                                                                                                                           |
| <p>a through d are repeated.<br/>d: Ten flashes indicate malfunctioning front passenger air bag deactivation switch.</p> | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front passenger air bag deactivation switch.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>                     |
| JMHI A0228GB                                                                                                             |                                                                                                                                                                                                                                                                                                        |
| <Crash zone sensor>                                                                                                      |                                                                                                                                                                                                                                                                                                        |
| Flash pattern                                                                                                            | Repair order                                                                                                                                                                                                                                                                                           |
| <p>a through d are repeated.<br/>d: Six flashes indicate malfunctioning crash zone sensor circuit.</p>                   | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the crash zone sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>                                                 |
| JMHI A0036GB                                                                                                             |                                                                                                                                                                                                                                                                                                        |
| <Driver air bag module>                                                                                                  |                                                                                                                                                                                                                                                                                                        |
| Flash pattern                                                                                                            | Repair order                                                                                                                                                                                                                                                                                           |
| <p>a through d are repeated.<br/>d: Two flashes indicate malfunctioning driver air bag module circuit.</p>               | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the diagnosis sensor unit (ACU).</li> </ol> |
| JMHI A0033GB                                                                                                             |                                                                                                                                                                                                                                                                                                        |
| <Front passenger air bag module>                                                                                         |                                                                                                                                                                                                                                                                                                        |
| Flash pattern                                                                                                            | Repair order                                                                                                                                                                                                                                                                                           |
| <p>a through d are repeated.<br/>d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>    | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front passenger air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>                              |
| JMHI A0035GB                                                                                                             |                                                                                                                                                                                                                                                                                                        |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

|                                                                                                                           |                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <Front RH seat belt pre-tensioner>                                                                                        |                                                                                                                                                                                                                                                                         |
| Flash pattern                                                                                                             | Repair order                                                                                                                                                                                                                                                            |
| <p>a through d are repeated.<br/>d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>      | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>          |
| JMHI A0037GB                                                                                                              |                                                                                                                                                                                                                                                                         |
| <Front LH seat belt pre-tensioner>                                                                                        |                                                                                                                                                                                                                                                                         |
| Flash pattern                                                                                                             | Repair order                                                                                                                                                                                                                                                            |
| <p>a through d are repeated.<br/>d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>   | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>          |
| JMHI A0038GB                                                                                                              |                                                                                                                                                                                                                                                                         |
| <RH side air bag (Satellite) sensor>                                                                                      |                                                                                                                                                                                                                                                                         |
| Flash pattern                                                                                                             | Repair order                                                                                                                                                                                                                                                            |
| <p>a through f are repeated.<br/>f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.</p> | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol> |
| JMHI A0039GB                                                                                                              |                                                                                                                                                                                                                                                                         |
| <LH side air bag (Satellite) sensor>                                                                                      |                                                                                                                                                                                                                                                                         |
| Flash pattern                                                                                                             | Repair order                                                                                                                                                                                                                                                            |
| <p>a through f are repeated.<br/>f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.</p>          | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol> |
| JMHI A0040GB                                                                                                              |                                                                                                                                                                                                                                                                         |
| <Front RH side air bag module>                                                                                            |                                                                                                                                                                                                                                                                         |
| Flash pattern                                                                                                             | Repair order                                                                                                                                                                                                                                                            |
| <p>a through f are repeated.<br/>f: One flash indicates malfunctioning front RH side air bag module circuit.</p>          | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol> |
| JMHI A0041GB                                                                                                              |                                                                                                                                                                                                                                                                         |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

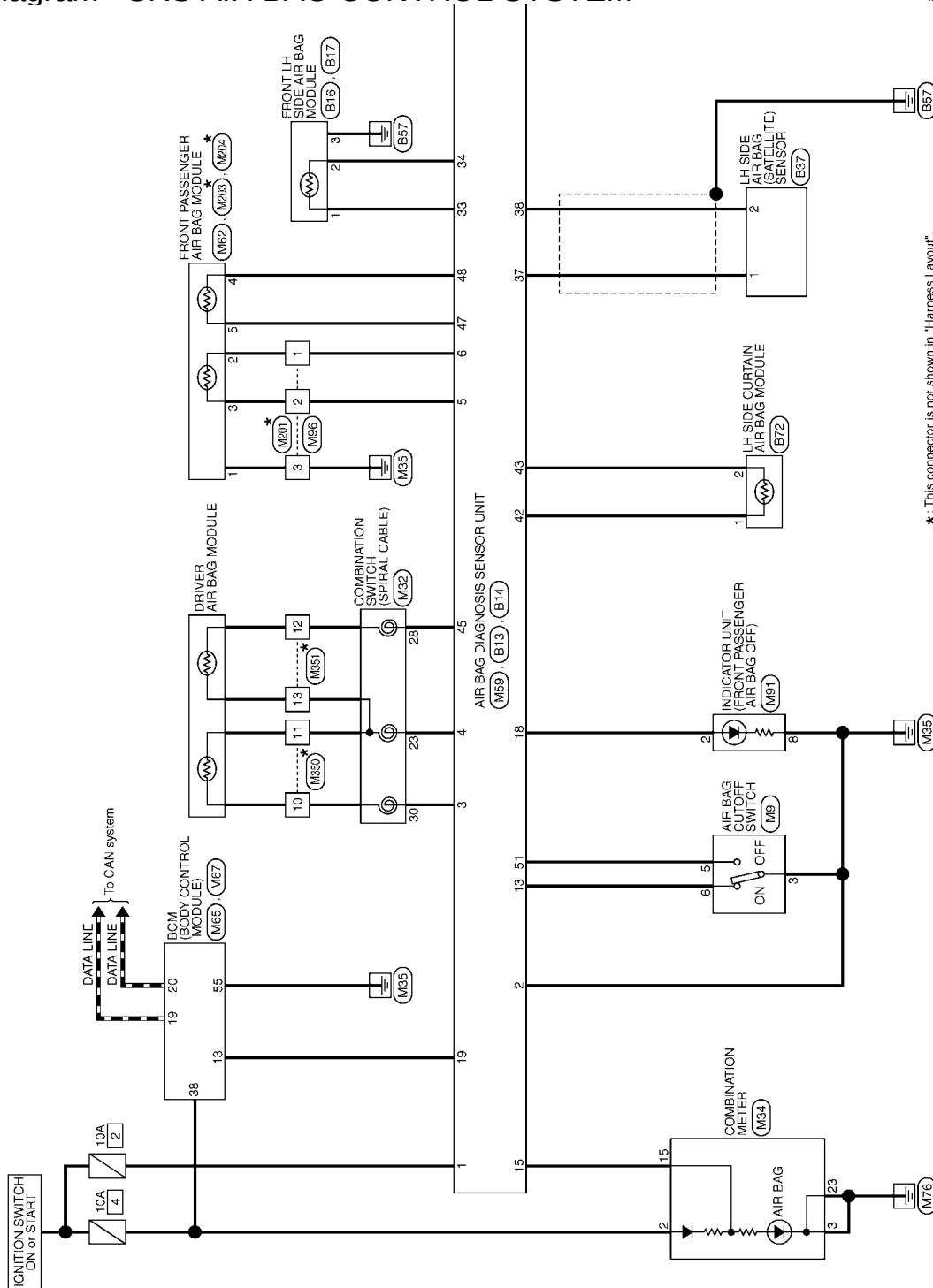
|                                                                                                                              |                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <Front LH side air bag module>                                                                                               |                                                                                                                                                                                                                                                                                |
| Flash pattern                                                                                                                | Repair order                                                                                                                                                                                                                                                                   |
| <p>a through f are repeated.<br/>f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>            | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>        |
| <RH side curtain air bag module>                                                                                             |                                                                                                                                                                                                                                                                                |
| Flash pattern                                                                                                                | Repair order                                                                                                                                                                                                                                                                   |
| <p>a through f are repeated.<br/>f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>         | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>      |
| <LH side curtain air bag module>                                                                                             |                                                                                                                                                                                                                                                                                |
| Flash pattern                                                                                                                | Repair order                                                                                                                                                                                                                                                                   |
| <p>a through f are repeated.<br/>f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>          | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>      |
| <Front RH seat belt pre-tensioner 2>                                                                                         |                                                                                                                                                                                                                                                                                |
| Flash pattern                                                                                                                | Repair order                                                                                                                                                                                                                                                                   |
| <p>a through d are repeated.<br/>d: Twelve flashes indicate malfunctioning front RH seat belt pre-tensioner 2 circuit.</p>   | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt pre-tensioner 2.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol> |
| <Front LH seat belt pre-tensioner 2>                                                                                         |                                                                                                                                                                                                                                                                                |
| Flash pattern                                                                                                                | Repair order                                                                                                                                                                                                                                                                   |
| <p>a through d are repeated.<br/>d: Thirteen flashes indicate malfunctioning front LH seat belt pre-tensioner 2 circuit.</p> | <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt pre-tensioner 2.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol> |

## < ECU DIAGNOSIS >

## Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

INFOID:0000000001069919

## SRS AIR BAG CONTROL SYSTEM (LHD MODELS)



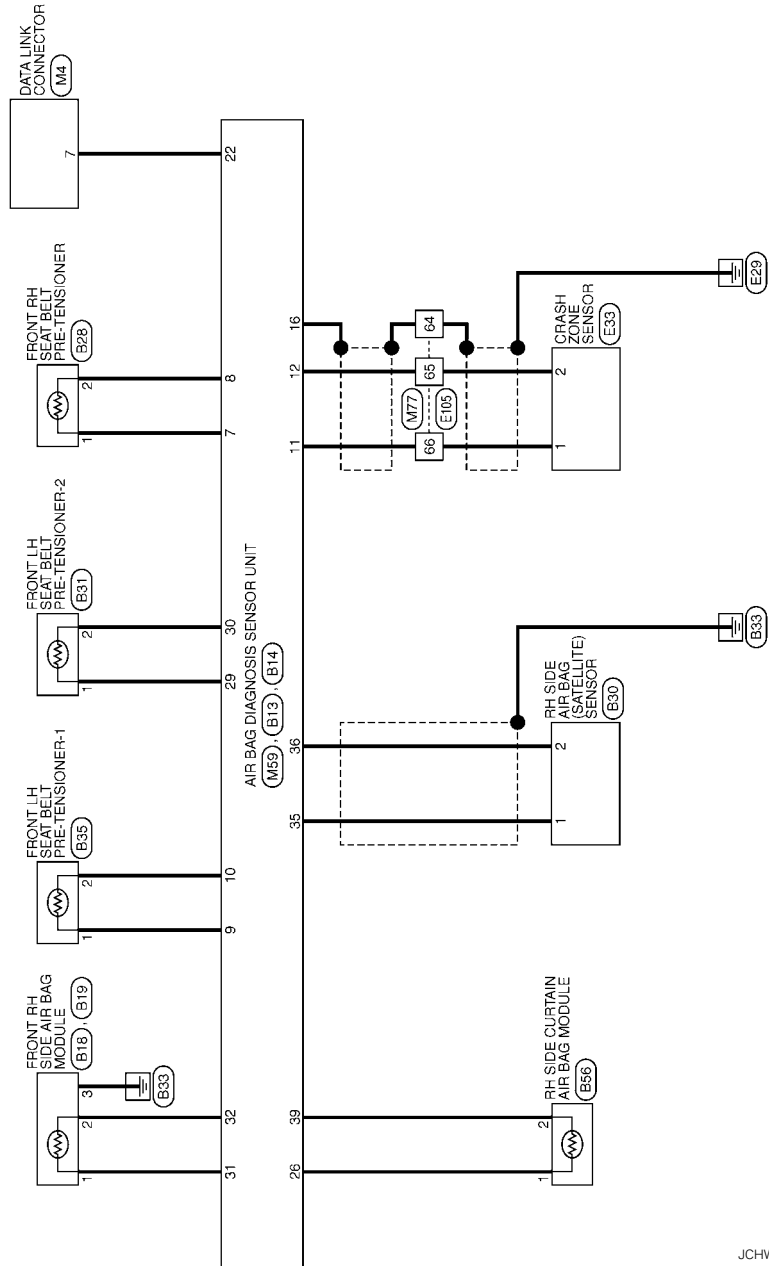
**\***: This connector is not shown in "Harness Layout".

2006/12/08

JCHWA0034GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >



JCHWA0035GB

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

SRC

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM (LHD MODELS)

|                |                               |
|----------------|-------------------------------|
| Connector No.  | B13                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | TK12FY-1V-EX                  |



|                |                               |
|----------------|-------------------------------|
| Connector No.  | B14                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | TK12FY-2V-EX                  |



|                |                              |
|----------------|------------------------------|
| Connector No.  | B16                          |
| Connector Name | FRONT LH SIDE AIR BAG MODULE |
| Connector Type | TK02FY-EX-1V                 |



|                |                              |
|----------------|------------------------------|
| Connector No.  | B17                          |
| Connector Name | FRONT LH SIDE AIR BAG MODULE |
| Connector Type | CINCH-1680EYIM               |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7            | R             | RH P/TI+                    |
| 8            | W             | RH P/TI-                    |
| 26           | L             | CURTAIN RH+                 |
| 31           | R/W           | RHS A/B+                    |
| 32           | L/Y           | RHS A/B-                    |
| 33           | W             | RH SAT SENS+                |
| 36           | B             | RH SAT SENS-                |
| 39           | BR            | CURTAIN RH+                 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 9            | R             | LH P/TI+                    |
| 10           | W             | LH P/TI-                    |
| 29           | R             | LH P/T2+                    |
| 30           | W             | LH P/T2-                    |
| 33           | R/W           | LHS A/B+                    |
| 34           | L/Y           | LHS A/B-                    |
| 37           | W             | LH SAT SENS+                |
| 38           | B             | LH SAT SENS-                |
| 42           | L             | CURTAIN LH-                 |
| 43           | BR            | CURTAIN LH-                 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R/W           | -                           |
| 2            | L/Y           | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | B/W           | -                           |

|                |                              |
|----------------|------------------------------|
| Connector No.  | B18                          |
| Connector Name | FRONT RH SIDE AIR BAG MODULE |
| Connector Type | TK02FY-EX-1V                 |



|                |                              |
|----------------|------------------------------|
| Connector No.  | B19                          |
| Connector Name | FRONT RH SIDE AIR BAG MODULE |
| Connector Type | CINCH-1680EYIM               |



|                |                                  |
|----------------|----------------------------------|
| Connector No.  | B28                              |
| Connector Name | FRONT RH SEAT BELT PRE-TENSIONER |
| Connector Type | ACA02FY-2V                       |



|                |                                    |
|----------------|------------------------------------|
| Connector No.  | B30                                |
| Connector Name | RH SIDE AIR BAG (SATELLITE) SENSOR |
| Connector Type | HK02FY-1V-EX                       |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R/W           | -                           |
| 2            | L/Y           | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | B/W           | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | -                           |
| 2            | W             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | B             | -                           |

JCHWA0036GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM (LHD MODELS)

|                |                                       |
|----------------|---------------------------------------|
| Connector No.  | B31                                   |
| Connector Name | FRONT LH SEAT BELT<br>PRE-TENSIONER-2 |
| Connector Type | ACA02FOR                              |



|                |                                       |
|----------------|---------------------------------------|
| Connector No.  | B35                                   |
| Connector Name | FRONT LH SEAT BELT<br>PRE-TENSIONER-1 |
| Connector Type | ACA02FY-2V                            |



|                |                                       |
|----------------|---------------------------------------|
| Connector No.  | B37                                   |
| Connector Name | LH SIDE AIR BAG (SATELLITE)<br>SENSOR |
| Connector Type | HK02FY-1V-EX                          |



|                |                                |
|----------------|--------------------------------|
| Connector No.  | B56                            |
| Connector Name | RH SIDE CURTAIN AIR BAG MODULE |
| Connector Type | FCI 61206310                   |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | -                           |
| 2            | W             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | -                           |
| 2            | W             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | B             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             | -                           |
| 2            | BR            | -                           |

|                |                                |
|----------------|--------------------------------|
| Connector No.  | B72                            |
| Connector Name | LH SIDE CURTAIN AIR BAG MODULE |
| Connector Type | FCI 61206310                   |



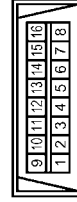
|                |                   |
|----------------|-------------------|
| Connector No.  | E33               |
| Connector Name | CRASH ZONE SENSOR |
| Connector Type | HK02FY-1V-EX      |



|                |                 |
|----------------|-----------------|
| Connector No.  | E105            |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH60MY-NS16-TM4 |



|                |                     |
|----------------|---------------------|
| Connector No.  | M4                  |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FN              |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             | -                           |
| 2            | BR            | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | B             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 84           | SHIELD        | -                           |
| 85           | B             | -                           |
| 86           | W             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7            | O             | -                           |

JCHWA0037GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM (LHD MODELS)

|                |                       |
|----------------|-----------------------|
| Connector No.  | M9                    |
| Connector Name | AIR BAG CUTOFF SWITCH |
| Connector Type | GINOH-499212211       |



|   |   |   |
|---|---|---|
| 3 | 2 | 1 |
| 6 | 5 | 4 |

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | M32                               |
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK68FY-EX-1V                      |



|    |    |    |
|----|----|----|
| 28 | 23 | 30 |
|----|----|----|

|                |                   |
|----------------|-------------------|
| Connector No.  | M34               |
| Connector Name | COMBINATION METER |
| Connector Type | SAB40FW           |



|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 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] |
|--------------|---------------|-----------------------------|
| 3            | B             | -                           |
| 5            | R             | -                           |
| 6            | G             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 23           | Y/L           | -                           |
| 28           | Y/R           | -                           |
| 30           | Y             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | GR            | IGN                         |
| 3            | B             | GND                         |
| 15           | W             | AIR BAG                     |
| 23           | B             | GND                         |

|                |                               |
|----------------|-------------------------------|
| Connector No.  | M59                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | TK28FY-EX-SC                  |



|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 20 | 21 | 17 | 24 | 49 | 1  |
| 22 | 11 | 46 | 43 | 47 | 45 |
| 16 | 12 | 19 | 13 | 14 | 51 |
| 23 | 60 | 18 | 52 | 2  |    |

|    |     |                   |
|----|-----|-------------------|
| 18 | LG  | CUTOFF LED        |
| 19 | R   | UNLOCK            |
| 22 | O   | K-LINE            |
| 45 | Y/R | DR2+              |
| 47 | B/R | AS2+ (LHD models) |
| 49 | L   | AS2- (LHD models) |
| 51 | R   | OFFIDE-ACTIVATE   |

|                |                                |
|----------------|--------------------------------|
| Connector No.  | M62                            |
| Connector Name | FRONT PASSENGER AIR BAG MODULE |
| Connector Type | FCI 01206320                   |



|   |   |
|---|---|
| 5 | 4 |
|---|---|

|                |                           |
|----------------|---------------------------|
| Connector No.  | M65                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | AA640FB                   |



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

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | BR            | IGN                         |
| 2            | B             | GND                         |
| 3            | Y             | DR1+                        |
| 4            | Y/L           | DR-                         |
| 5            | Y             | ASI+                        |
| 6            | Y/B           | ASI-                        |
| 11           | W             | ECZS+                       |
| 12           | B             | ECZS-                       |
| 13           | G             | AS CUTOFF SW 1              |
| 15           | W             | WARNING LAMP                |
| 16           | SHIELD        | EARTH (FOR ECZS)            |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 4            | Y/L           | -                           |
| 5            | Y             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 13           | R             | SHOCK DETECT SIG            |
| 19           | L             | CAN-H                       |
| 20           | P             | CAN-L                       |
| 38           | W/L           | IGN SW                      |

JCHWA0038GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM (LHD MODELS)

|                |                           |
|----------------|---------------------------|
| Connector No.  | M87                       |
| Connector Name | BOM (BODY CONTROL MODULE) |
| Connector Type | FCI 211PC083S0017         |



|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH60FY-NS16-TM4 |



|                |                |
|----------------|----------------|
| Connector No.  | M81            |
| Connector Name | INDICATOR UNIT |
| Connector Type | TH48FW-IV      |



|                |              |
|----------------|--------------|
| Connector No.  | M86          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TK04FY       |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 55           | B             | GN(DPOWER)                  |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 64           | SHIELD        | -                           |
| 65           | B             | -                           |
| 66           | W             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | BR            | -                           |
| 8            | B             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | Y/B           | -                           |
| 2            | Y             | -                           |
| 3            | B             | -                           |

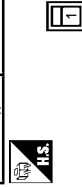
|                |              |
|----------------|--------------|
| Connector No.  | M201         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TK04MY-BD    |



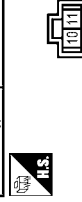
|                |                                |
|----------------|--------------------------------|
| Connector No.  | M203                           |
| Connector Name | FRONT PASSENGER AIR BAG MODULE |
| Connector Type | AMPHENOL CA253912105           |



|                |                                |
|----------------|--------------------------------|
| Connector No.  | M204                           |
| Connector Name | FRONT PASSENGER AIR BAG MODULE |
| Connector Type | RENUALT 7703297083             |



|                |                       |
|----------------|-----------------------|
| Connector No.  | M250                  |
| Connector Name | DRIVER AIR BAG MODULE |
| Connector Type | AGA02FY-2V            |



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

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | BR            | -                           |
| 3            | Y             | -                           |

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

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10           | -             | -                           |
| 11           | -             | -                           |

JCHWA0039GB

SRS AIR BAG CONTROL SYSTEM (LHD MODELS)

|                |                       |
|----------------|-----------------------|
| Connector No.  | M351                  |
| Connector Name | DRIVER AIR BAG MODULE |
| Connector Type | ACA02FOR              |



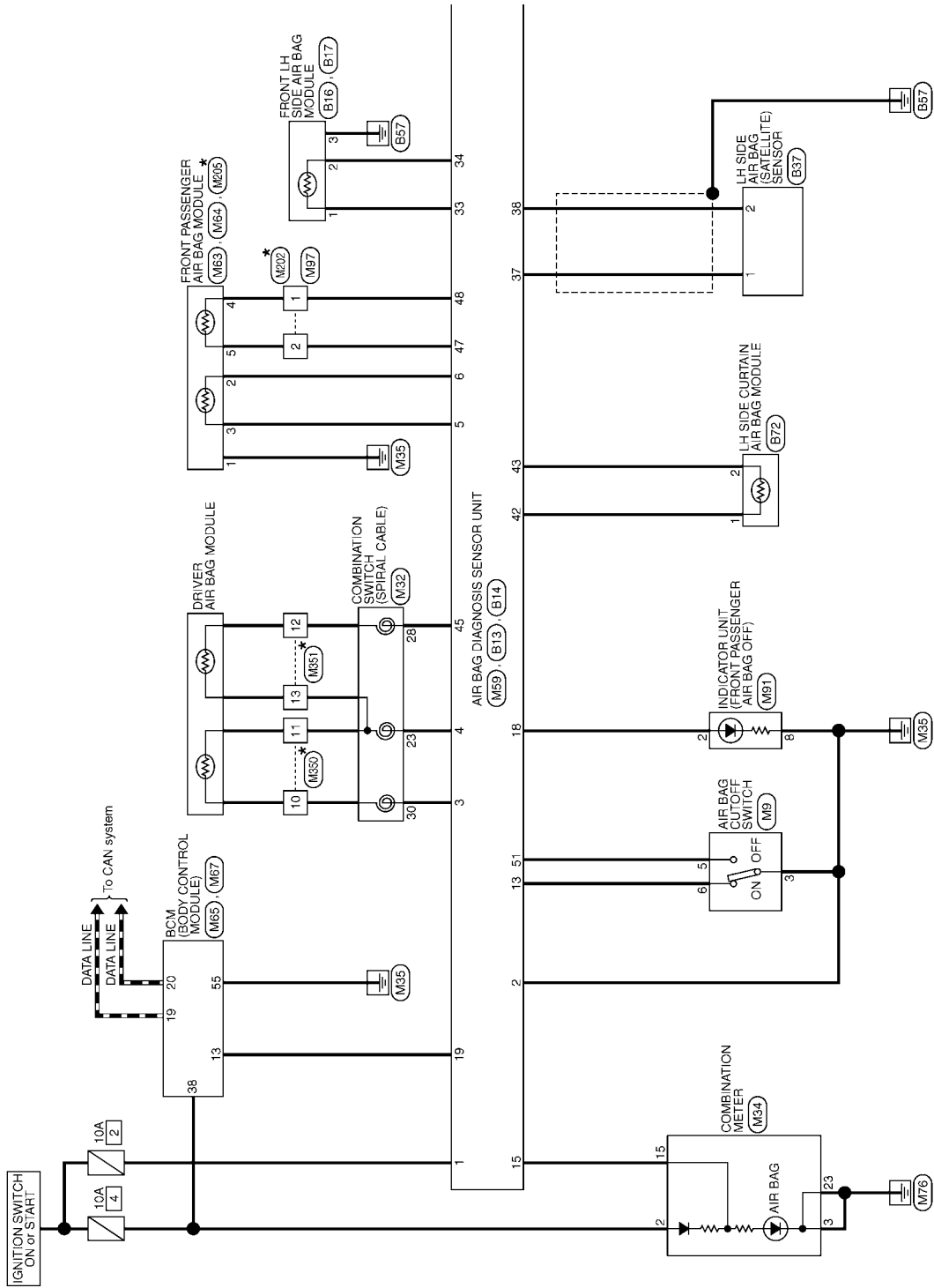
| Terminal No. | Color of Wire | Signal Name (Specification) |
|--------------|---------------|-----------------------------|
| 12           | -             | -                           |
| 13           | -             | -                           |

JCHWA0040GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM (RHD MODELS)



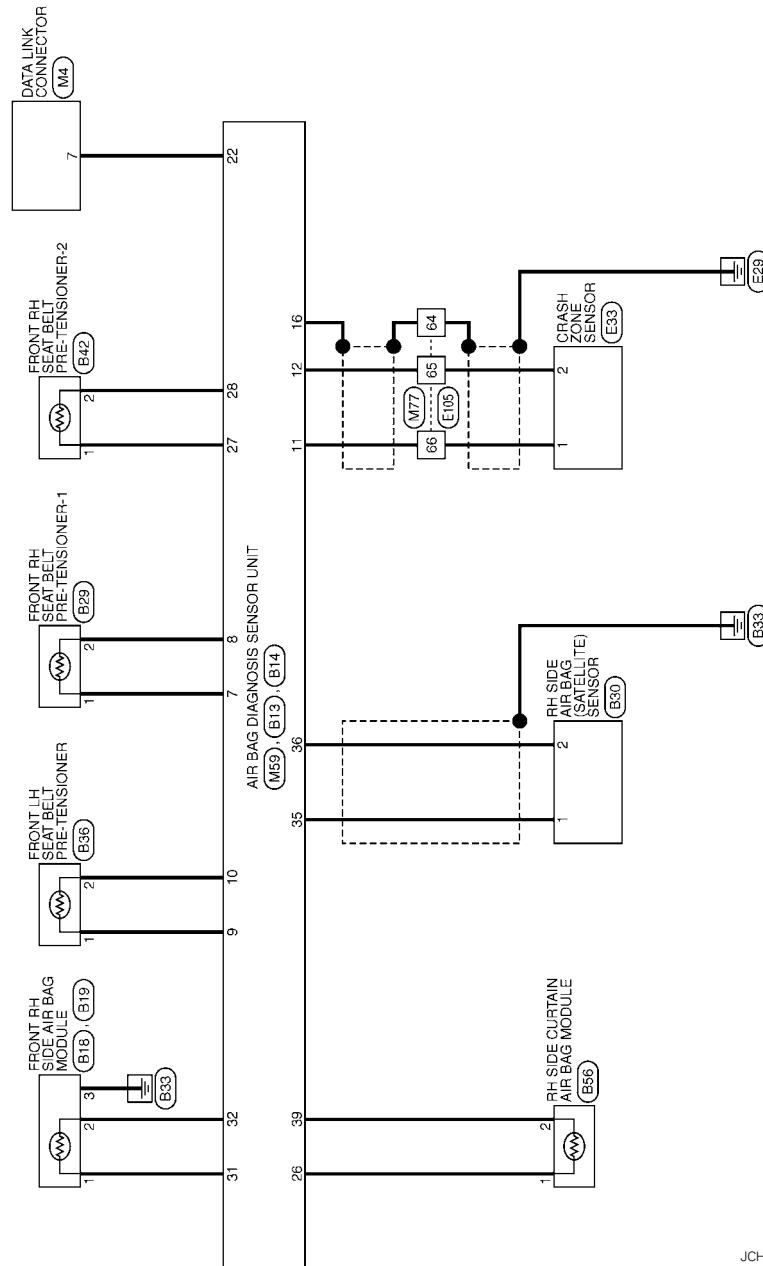
★: This connector is not shown in "Harness Layout".

2006/12/08

JCHWA0041GB

## < ECU DIAGNOSIS >

## < ECU DIAGNOSIS >



JCHWA0042GB

# DIAGNOSIS SENSOR UNIT

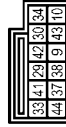
< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM (RHD MODELS)

|                |                               |
|----------------|-------------------------------|
| Connector No.  | B13                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | TK12FY-1V-EX                  |



|                |                               |
|----------------|-------------------------------|
| Connector No.  | B14                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | TK12FY-2V-EX                  |



|                |                              |
|----------------|------------------------------|
| Connector No.  | B16                          |
| Connector Name | FRONT LH SIDE AIR BAG MODULE |
| Connector Type | TK02FY-EX-1V                 |



|                |                              |
|----------------|------------------------------|
| Connector No.  | B17                          |
| Connector Name | FRONT LH SIDE AIR BAG MODULE |
| Connector Type | CINCH-1680EYIM               |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7            | R             | RH P/TI+                    |
| 8            | W             | RH P/TI-                    |
| 26           | L             | CURTAIN RH+                 |
| 27           | R             | RH P/T2+                    |
| 28           | W             | RH P/T2-                    |
| 31           | R/W           | RHS A/B+                    |
| 32           | L/Y           | RHS A/B-                    |
| 35           | W             | RH SAT SENS+                |
| 36           | B             | RH SAT SENS-                |
| 39           | BR            | CURTAIN RH-                 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 9            | R             | LH P/TI+                    |
| 10           | W             | LH P/TI-                    |
| 33           | R/W           | LHS A/B+                    |
| 34           | L/Y           | LHS A/B-                    |
| 37           | W             | LH SAT SENS+                |
| 38           | B             | LH SAT SENS-                |
| 42           | L             | CURTAIN LH+                 |
| 43           | BR            | CURTAIN LH-                 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R/W           | -                           |
| 2            | L/Y           | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | B/W           | -                           |

|                |                              |
|----------------|------------------------------|
| Connector No.  | B18                          |
| Connector Name | FRONT RH SIDE AIR BAG MODULE |
| Connector Type | TK02FY-EX-1V                 |



|                |                              |
|----------------|------------------------------|
| Connector No.  | B19                          |
| Connector Name | FRONT RH SIDE AIR BAG MODULE |
| Connector Type | CINCH-1680EYIM               |



|                |                                    |
|----------------|------------------------------------|
| Connector No.  | B29                                |
| Connector Name | FRONT RH SEAT BELT PRE-TENSIONER-1 |
| Connector Type | ACA02FY-2V                         |



|                |                                    |
|----------------|------------------------------------|
| Connector No.  | B30                                |
| Connector Name | RH SIDE AIR BAG (SATELLITE) SENSOR |
| Connector Type | HK02FY-1V-EX                       |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R/W           | -                           |
| 2            | L/Y           | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | B/W           | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | -                           |
| 2            | W             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | B             | -                           |

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## SRS AIR BAG CONTROL SYSTEM (RHD MODELS)

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | B38                              |
| Connector Name | FRONT LH SEAT BELT PRE-TENSIONER |
| Connector Type | ACA02FY-2V                       |



|                |                                    |
|----------------|------------------------------------|
| Connector No.  | B37                                |
| Connector Name | LH SIDE AIR BAG (SATELLITE) SENSOR |
| Connector Type | HK02FY-1V-EX                       |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | -                           |
| 2            | W             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | B             | -                           |

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | B42                                |
| Connector Name | FRONT RH SEAT BELT PRE-TENSIONER-2 |
| Connector Type | ACA02FOR                           |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | -                           |
| 2            | W             | -                           |

|                |                                |
|----------------|--------------------------------|
| Connector No.  | B56                            |
| Connector Name | RH SIDE CURTAIN AIR BAG MODULE |
| Connector Type | FCI 8120B310                   |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             | -                           |
| 2            | BR            | -                           |

|                |                                |
|----------------|--------------------------------|
| Connector No.  | B72                            |
| Connector Name | LH SIDE CURTAIN AIR BAG MODULE |
| Connector Type | FCI 8120B310                   |



|                |                   |
|----------------|-------------------|
| Connector No.  | E33               |
| Connector Name | CRASH ZONE SENSOR |
| Connector Type | HK02FY-1V-EX      |



|                |                 |
|----------------|-----------------|
| Connector No.  | E105            |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH60MY-NS16-TM4 |



|                |                     |
|----------------|---------------------|
| Connector No.  | M4                  |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FN              |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             | -                           |
| 2            | BR            | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | B             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 84           | SHIELD        | -                           |
| 85           | B             | -                           |
| 86           | W             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7            | O             | -                           |

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM (RHD MODELS)

|                |                       |
|----------------|-----------------------|
| Connector No.  | M49                   |
| Connector Name | AIR BAG CUTOFF SWITCH |
| Connector Type | GINOH-489212211       |



|   |   |   |
|---|---|---|
| 3 | 2 | 1 |
| 6 | 5 | 4 |

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | M52                               |
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK08FY-EX-1V                      |



|    |    |    |
|----|----|----|
| 28 | 23 | 30 |
|----|----|----|

|                |                   |
|----------------|-------------------|
| Connector No.  | M64               |
| Connector Name | COMBINATION METER |
| Connector Type | SAB6FW            |



|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 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] |
|--------------|---------------|-----------------------------|
| 3            | B             | -                           |
| 5            | R             | -                           |
| 6            | G             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 23           | Y/L           | -                           |
| 28           | Y/R           | -                           |
| 30           | Y             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | GR            | IGN                         |
| 3            | B             | GND                         |
| 15           | W             | AIRBAG                      |
| 23           | B             | GND                         |

|                |                               |
|----------------|-------------------------------|
| Connector No.  | M58                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | TK28FY-EX-SG                  |



|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 20 | 21 | 17 | 24 | 49 | 1  |
| 22 | 11 | 46 | 43 | 47 | 45 |
| 16 | 12 | 19 | 13 | 14 | 51 |
| 23 | 60 | 19 | 52 | 2  |    |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 18           | LG            | CUTOFF LED                  |
| 19           | R             | UNLOCK                      |
| 22           | O             | K-LINE                      |
| 45           | Y/R           | DR2+                        |
| 47           | Y             | ASZ-[RHD models]            |
| 46           | Y/L           | ASZ-[RHD models]            |
| 51           | R             | OFFIDE-ACTIVATE             |

|                |                                |
|----------------|--------------------------------|
| Connector No.  | M63                            |
| Connector Name | FRONT PASSENGER AIR BAG MODULE |
| Connector Type | AMPHENOL CA22912105            |



|    |    |
|----|----|
| 13 | 12 |
|----|----|

|                |                                |
|----------------|--------------------------------|
| Connector No.  | M64                            |
| Connector Name | FRONT PASSENGER AIR BAG MODULE |
| Connector Type | RENUALT 7703297093             |



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

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | BR            | IGN                         |
| 2            | B             | GND                         |
| 3            | Y             | DR1+                        |
| 4            | Y/L           | DR-                         |
| 5            | Y             | ASI+                        |
| 6            | Y/B           | ASI-                        |
| 11           | W             | EQZS-                       |
| 12           | B             | EQZS+                       |
| 13           | G             | AS CUTOFF SW 1              |
| 15           | W             | WARNING LAMP                |
| 16           | SHIELD        | EARTH (FOR EQZS)            |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | Y/B           | -                           |
| 3            | Y             | -                           |

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

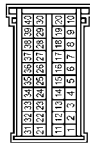
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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM (RHD MODELS)

|                |                           |
|----------------|---------------------------|
| Connector No.  | M85                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | AA840FB                   |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 13           | R             | SHOCK DETECT SIG            |
| 19           | L             | CAN-H                       |
| 20           | P             | CAN-L                       |
| 38           | W/L           | IGN SW                      |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M87                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FCI 21PC083S0017          |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 55           | B             | GND(POWER)                  |

|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-NS1B-TM4 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 64           | SHIELD        | -                           |
| 65           | B             | -                           |
| 66           | W             | -                           |

|                |                |
|----------------|----------------|
| Connector No.  | M91            |
| Connector Name | INDICATOR UNIT |
| Connector Type | TH80FW-TV      |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | BR            | -                           |
| 8            | B             | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | M37          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TK02FY-EX    |



|                |              |
|----------------|--------------|
| Connector No.  | M202         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TK02MY-EX    |



|                |                                |
|----------------|--------------------------------|
| Connector No.  | M205                           |
| Connector Name | FRONT PASSENGER AIR BAG MODULE |
| Connector Type | FCI 01206320                   |



|                |                       |
|----------------|-----------------------|
| Connector No.  | M350                  |
| Connector Name | DRIVER AIR BAG MODULE |
| Connector Type | ACA02FY-2V            |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             | -                           |
| 2            | B/R           | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | Y/L           | -                           |
| 2            | Y             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 4            | Y/L           | -                           |
| 5            | Y             | -                           |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10           | -             | -                           |
| 11           | -             | -                           |

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SRS AIR BAG CONTROL SYSTEM (RHD MODELS)

|                |                       |
|----------------|-----------------------|
| Connector No.  | M251                  |
| Connector Name | DRIVER AIR BAG MODULE |
| Connector Type | ACA02FOR              |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 12           | -             | -                           |
| 13           | -             | -                           |

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O  
P

SRC

## SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

### SYMPTOM DIAGNOSIS

#### SRS AIR BAG SYSTEM

##### Symptom Table

INFOID:000000001069920

"SRS AIR BAG" Warning Lamp Does Not Turn OFF

#### 1.CHECK THE DEPLOYMENT OF AIR BAG MODULE

Is "AIR BAG" module deployed?

- YES >> Refer to [SRC-194, "Diagnosis Procedure \(Component diagnosis\)"](#).  
NO >> GO TO 2.

#### 2.CHECK THE AIR BAG FUSE

Refer to [PG-71, "Fuse"](#).

Check 10A fuse [No.2, located in fuse block (J/B)].

- OK >> GO TO 4.  
NG >> GO TO 3.

#### 3.CHECK AIR BAG FUSE AGAIN

Replace "AIR BAG" fuse and turn ignition switch ON.

Does the "AIR BAG" fuse blow again?

- YES >> Repair or replace main harness.  
NO >> **INSPECTION END**

#### 4.CHECK DIAGNOSIS SENSOR UNIT

Is "AIR BAG" displayed on CONSULT-III?

- YES >> GO TO 5.  
NO >> Visually check the wiring harness connection of diagnosis sensor unit. If the harness connection check result is OK, replace diagnosis sensor unit.

#### 5.CHECK HARNESS CONNECTION

Is harness connections between warning lamp and diagnosis sensor unit?

- OK >> Replace diagnosis sensor unit.  
NG >> Connect "AIR BAG" warning lamp and diagnosis sensor unit connector properly. If "AIR BAG" warning lamp still does not go off, replace harness.

"SRS AIR BAG" Warning Lamp Does Not Turn ON

#### 1.CHECK METER FUSE

Refer to [PG-71, "Fuse"](#).

Check 10A fuse [No.4, located in fuse block (J/B)].

- OK >> GO TO 3.  
NG >> GO TO 2.

#### 2.CHECK METER FUSE AGAIN

Replace meter fuse and turn ignition switch ON.

Does the meter fuse blow again?

- YES >> Repair or replace the related harness.  
NO >> **INSPECTION END**

## SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

### 3.CHECK HARNESS CONNECTION BETWEEN DIAGNOSIS SENSOR UNIT AND COMBINATION METER

Disconnect diagnosis sensor unit connector and turn ignition switch ON.

Does AIR BAG warning lamp turn ON?

YES >> Replace diagnosis sensor unit.

NO >> Replace combination meter assembly.

A  
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SRC

## PRECAUTIONS

< PRECAUTION >

### PRECAUTION

#### PRECAUTIONS

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

INFOID:000000001069922

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 and SB section of this Service Manual.

##### **WARNING:**

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

##### Service

INFOID:000000001069923

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 minutes.  
For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "⇐" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper function after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.