

TROUBLE DIAGNOSIS

AHS000DQ

Trouble Diagnosis without CONSULT-II DIAGNOSTIC PROCEDURE 6

Inspecting SRS Malfunctioning Parts by Using "AIR BAG" Warning Lamp — Diagnosis Mode

NOTE:

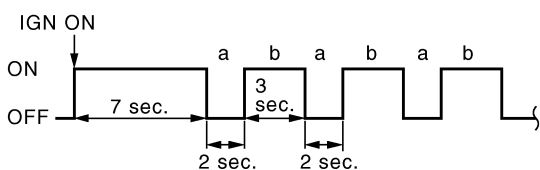
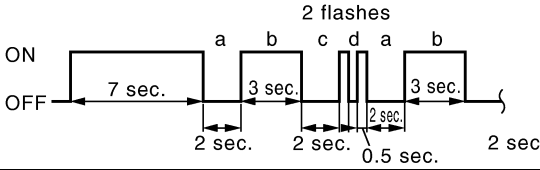
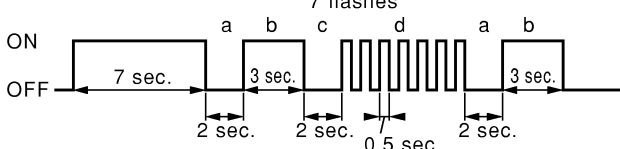
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. Turn ignition switch ON.
2. After "AIR BAG" warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.
3. Wait more than 3 seconds.
4. Repeat the steps 1 to 3 twice. (Perform three times in all.)
5. Turn ignition switch ON.

SRS is now in Diagnosis mode.

"AIR BAG" warning lamp operates in Diagnosis mode as follows:

WARNING LAMP FLASH CODE CHART

<Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.>	
Flash pattern a through b are repeated. 	Repair order 1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)
PHIA0532E	
<Driver air bag module>	
Flash pattern a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit. 	Repair order 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the spiral cable. 4. Replace the related harness.
PHIA1233E	
<Diagnosis sensor unit>	
Flash pattern a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. 	Repair order 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the diagnosis sensor unit. 4. Replace the related harness.
SHIA0028E	

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SRS

TROUBLE DIAGNOSIS

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

PHIA1234E

<Crash zone sensor>	
Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Six flashes indicate malfunctioning crash zone sensor circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the diagnosis sensor unit. 5. Replace the related harness.

SHIA0083E

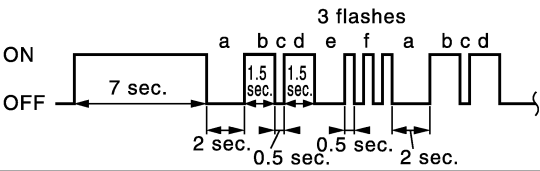
<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has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

PHIA1235E

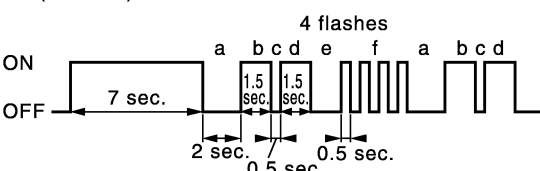
<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has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

PHIA1236E

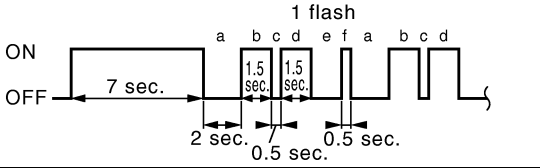
TROUBLE DIAGNOSIS

<RH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag (Satellite) sensor. 4. Replace the diagnosis sensor unit. 5. Replace the related harness.

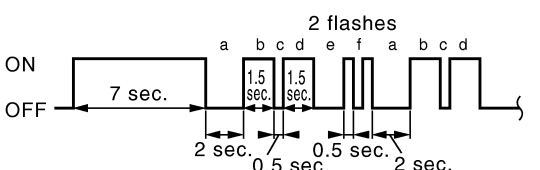
SHIA0032E

<LH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag (Satellite) sensor. 4. Replace the diagnosis sensor unit. 5. Replace the related harness.

SHIA0033E

<Front RH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the related harness.

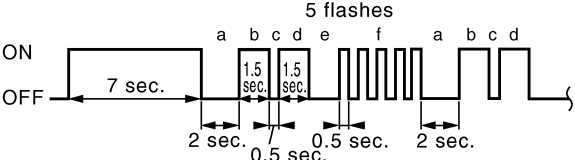
PHIA1237E

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the related harness.

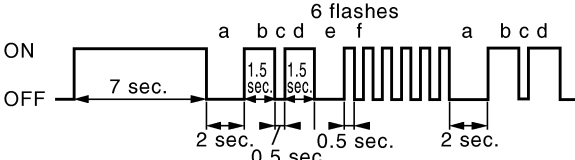
PHIA1238E

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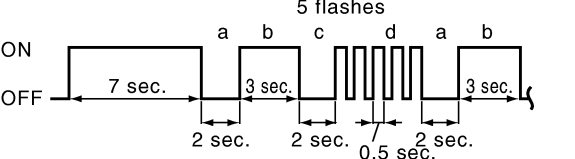
TROUBLE DIAGNOSIS

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the related harness.

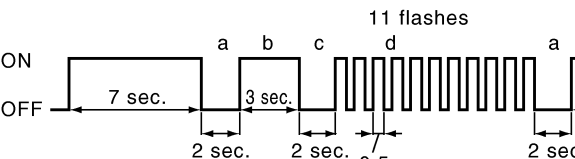
PHIA1240E

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the related harness.

PHIA1241E

<Occupant classification system>	
Flash pattern	Repair order
<p>a through d are repeated. d: Five flashes indicate malfunctioning OCS control unit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger seat cushion and occupant classification system control unit as an assembly. 4. Replace the diagnosis sensor unit.

PHIA1242E

<Front passenger air bag off indicator>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger air bag off indicator unit. 4. Replace the diagnosis sensor unit. 5. Replace the related harness.

PHIA1243E

TROUBLE DIAGNOSIS

Trouble Diagnosis: "AIR BAG" Warning Lamp Does Not Turn OFF DIAGNOSTIC PROCEDURE 7

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1. CHECK THE DEPLOYMENT OF AIR BAG MODULE

Is air bag module deployed?

YES or NO

YES >> Refer to [SRS-51, "COLLISION DIAGNOSIS"](#).

NO >> GO TO 2.

2. CHECK THE AIR BAG FUSE

Check 10A fuse [No.13, located in fuse block (J/B)].

Refer to [PG-3, "POWER SUPPLY ROUTING CIRCUIT"](#).

OK or NG

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

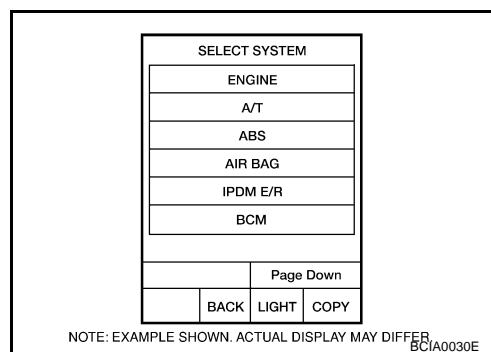
Connect CONSULT-II and touch "START".

- Is "AIR BAG" displayed on CONSULT-II?

YES or NO

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 connection between warning lamp and diagnosis sensor unit OK?

OK or NG

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.

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Trouble Diagnosis: "AIR BAG" Warning Lamp Does Not Turn ON DIAGNOSTIC PROCEDURE 8

AHS000DS

1. CHECK METER FUSE

Check 10A fuse [No.14, located in fuse block (J/B)].
Refer to [PG-3, "POWER SUPPLY ROUTING CIRCUIT"](#) .

OK or NG

OK >> GO TO 3.
NG >> GO TO 2.

2. CHECK METER FUSE AGAIN

Replace 10A fuse [No.14, located in fuse block (J/B)] and turn ignition switch ON.

Does the meter fuse blow again?

YES >> Repair or replace the related harness.
NO >> **INSPECTION END**

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 or NO

YES >> Replace diagnosis sensor unit.
NO >> Replace combination meter assembly.