AIRBAG SYSTEM (DIAGNOSTICS)

12. Diagnostic Chart with Diagnostic Trouble Code (DTC)

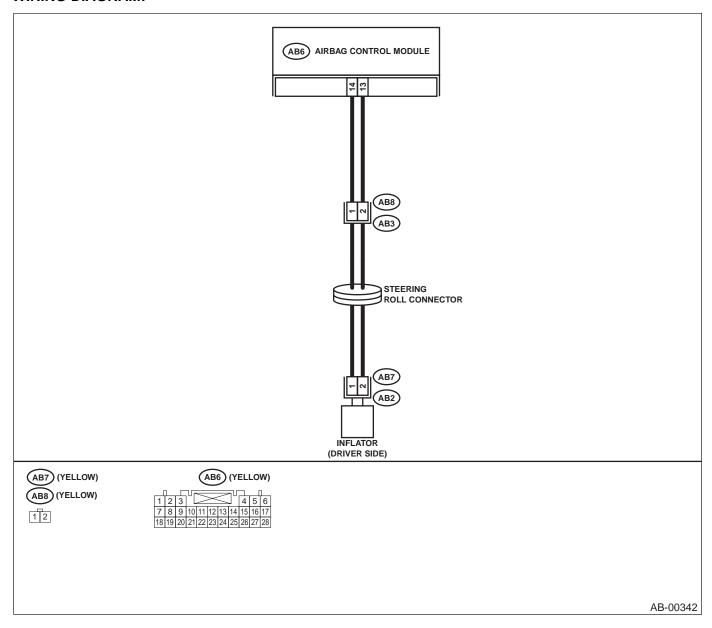
A: DTC 11

DIAGNOSIS:

- Airbag main harness circuit is open, shorted or shorted to ground.
- Airbag module harness (Driver) circuit is open, shorted or shorted to ground.
- Roll connector circuit is open, shorted or shorted to ground.
- Driver's airbag module is faulty.
- · Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll controller, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.



Step	Value	Yes	No
 CHECK DRIVER'S AIRBAG MODULE. Turn the ignition switch OFF, disconnect battery ground cable, and wait more than 20 seconds. Remove the driver's airbag module. <ref. ab-13,="" airbag="" driver's="" module.="" to=""></ref.> Connect the connector (1F) in test harness F to connector (AB7). Connect airbag resistor to connector (3F) in test harness F. Connect the battery ground cable and turn the ignition switch ON. Does the airbag warning light operate properly? 	Operates properly.	Replace the driver's airbag module. <ref. to<br="">AB-13, Driver's Airbag Module.></ref.>	Go to step 2.
	Operates properly.	Replace the roll connector. <ref. ab-20,="" connector.="" roll="" to=""></ref.>	Go to step 3.
3 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the ground cable, and wait more than 20 seconds. 2) Disconnect the airbag resistor from the connector (3F) in test harness F. 3) Remove the glove box, <ref. ab-14,="" ab-<ref.="" airbag="" module.="" passenger's="" to="">, REMOVAL, Passenger's Airbag Module.> and disconnect connectors (AB10) and (AB9). 4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I2. <ref. ab-18,="" airbag="" control="" module.="" to=""> 5) Measure the resistance between connector (2I) in test harness F. Connector & terminal (2I) No. 1 — (3F) No. 4: (2I) No. 4 — (3F) No. 3: Is the measured value less than the specified value?</ref.></ref.>	10 Ω	Go to step 4.	Replace airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>

	Step	Value	Yes	No
Me test C	ECK AIRBAG MAIN HARNESS. asure the resistance of the connector (2I) in tharness I2. connector & terminal (2I) No. 1 — No. 4: (2I) No. 4 — Chassis ground: (2I) No. 1 — Chassis ground: es the measured value exceed the specified ue?	1 ΜΩ	<ref. ab-18,<="" th="" to=""><th>Replace airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.></th></ref.>	Replace airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>

MEMO:

AIRBAG SYSTEM (DIAGNOSTICS)

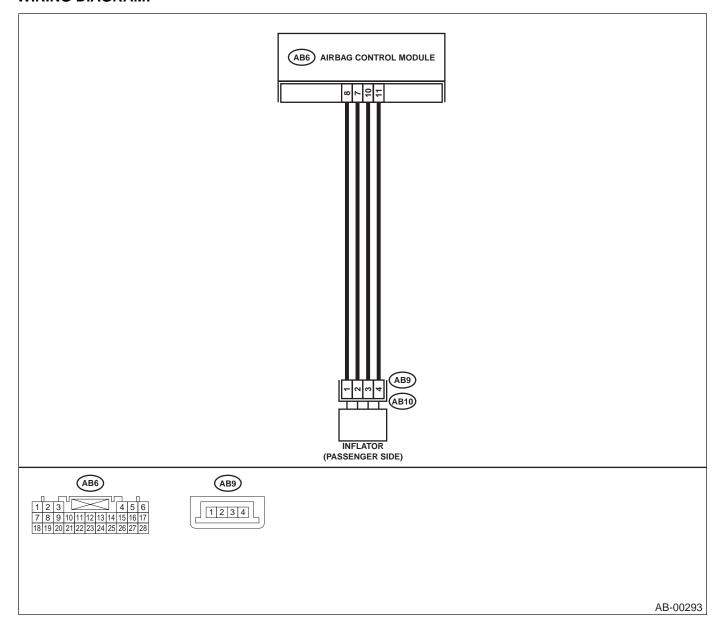
B: DTC 12

DIAGNOSIS:

- Airbag main harness circuit is open, shorted or shorted to ground.
- Airbag module harness (Passenger) circuit is open, shorted or shorted to ground.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.



		T was		
	Step	Value	Yes	No
1	 CHECK PASSENGER'S AIRBAG MODULE. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Pull out the two stopper pins and lower the glove box. Disconnect the connector (AB10) from (AB9). Connect the connector (1K) in test harness K to connector (AB9). Connect two airbag resistors to connectors (3K) and (4K) in test harness K. Connect the battery ground cable and turn the ignition switch ON. Does the airbag warning light operate properly? 	Operates properly.	Replace the pas- senger airbag module. <ref. to<br="">AB-14, Passen- ger's Airbag Mod- ule.></ref.>	Go to step 2.
2	 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect two airbag resistors from the connectors (3K) and (4K) in test harness K. 3) Remove lower cover and disconnect the connector (AB3) from (AB8). 4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I2. <ref. ab-18,="" airbag="" control="" module.="" to=""></ref.> 5) Measure the resistance between connector (2I) in test harness I2 and the connector (3K) in test harness K. Connector & terminal (2I) No. 2 — (3K) No. 4: (2I) No. 5 — (3K) No. 3: Is the measured value less than the specified value? 	10 Ω	Go to step 3.	Replace airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>
3	CHECK AIRBAG MAIN HARNESS. Measure the resistance of the connector (2I) in test harness I2. Connector & terminal (2I) No. 2 — No. 5: (2I) No. 2 — Chassis ground: (2I) No. 5 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Replace airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>	Replace airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

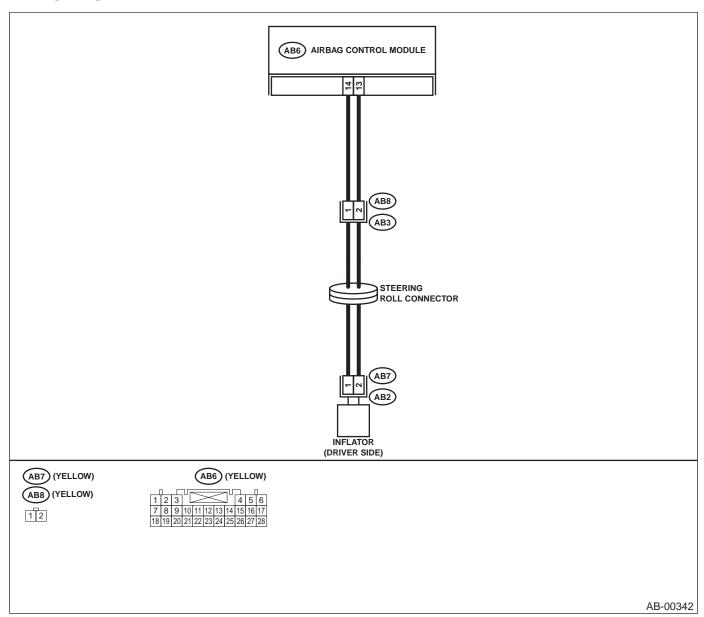
C: DTC 15

DIAGNOSIS:

- Airbag main harness circuit (Driver) is shorted to the power supply.
- · Airbag module harness (Driver) is shorted to the power supply.
- Roll connector is shorted to the power supply.
- Driver's airbag module is faulty.
- · Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.



Step	Value	Yes	No
 CHECK DRIVER'S AIRBAG MODULE. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Remove the driver's airbag module. <ref. ab-13,="" airbag="" driver's="" module.="" to=""></ref.> Connect the connector (AB7) to connector (1F) in test harness F. Connect the airbag resistor to connector (3F) in test harness F. Connect the battery ground cable and turn the ignition switch ON. Does the airbag warning light operate properly? 	Operates properly.	Replace the driver's airbag module. <ref. to<br="">AB-13, Driver's Airbag Module.></ref.>	Go to step 2.
 CHECK ROLL CONNECTOR. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect the test harness from the connector (AB7). Remove the lower cover panel and disconnect the connector (AB3) from (AB8). Connect the connector (1F) in test harness F to connector (AB8). Connect the airbag resistor to connector (3F) in test harness F. Connect the battery ground cable and turn the ignition switch ON. Does the airbag warning light operate properly? 	Operates properly.	Replace the roll connector. <ref. to AB-20, Roll Connector.></ref. 	Go to step 3.
3 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the airbag resistor from the connector (3F) in test harness F. 3) Pull out the two stopper pins and lower the glove box, and disconnect connectors (AB10) and (AB9). 4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I2. <ref. ab-18,="" airbag="" control="" module.="" to=""> 5) Connect the battery ground cable and turn the ignition switch ON. (Engine OFF) 6) Measure the voltage between connector (2I) in test harness I2 and the chassis ground. Connector & terminal (2I) No. 4 (+) — Chassis ground (-): (2I) No. 1 (+) — Chassis ground (-): Is the measured value less than the specified value?</ref.>	1 V	Replace the airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>	Replace airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

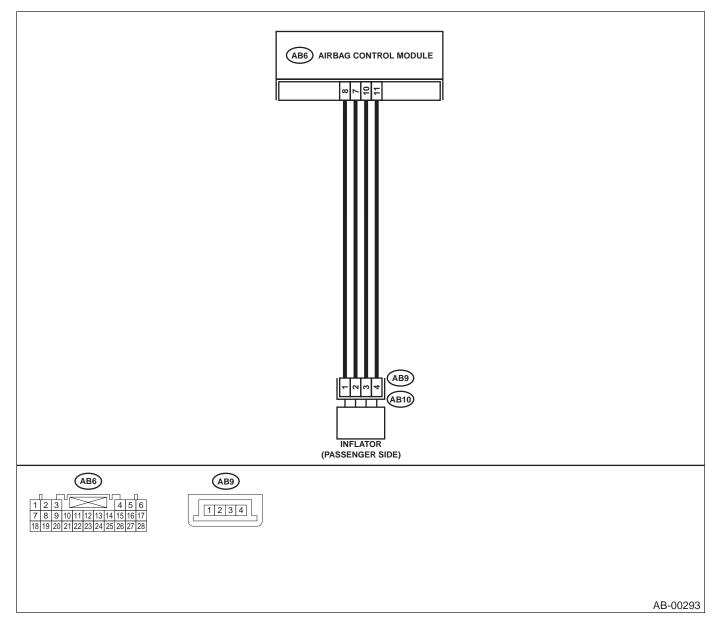
D: DTC 16

DIAGNOSIS:

- Airbag main harness circuit (Passenger) is shorted to the power supply.
- Airbag module harness (Passenger) is shorted to the power supply.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.



	Stan	Value	Ves	N-
	Step	Value	Yes	No
1) Turn the in the batter than 20 s 2) Pull out the glove box 3) Disconne (AB9) 4) Connect to K to connect to (3K) and solutions of the ignitions the batter than 20 series to the batter than 20 series the solutions that the ignition than 20 series to the batter than 20 series than 20 series than 20 series to the ignition than 20 series than 20 serie	ne two stopper pins and lower the	Operates properly.	Replace the passenger airbag module. <ref. ab-14,="" airbag="" module.="" passenger's="" to=""></ref.>	Go to step 2.
2 CHECK AIRI 1) Turn the i the batter than 20 s 2) Disconne connector 3) Remove t the conne 4) Disconne airbag co connector AB-18, Ai 5) Measure (2I) in tes ground. Connector (2I) No. (2I) No.	ct two airbag resistors from the rs (3K) and (4K) in test harness K. the lower cover and disconnect ector (AB3) from (AB8). ct the connector (AB6) from the ntrol module, and connect the r (1I) in test harness I2. <ref. control="" irbag="" module.="" to=""> the voltage between connector tharness I2 and the chassis **Exerminal** 2 — Chassis ground: 5 — Chassis ground: asured value less than the speci-</ref.>	1 V	control module. <ref. ab-18,<="" td="" to=""><td>Replace airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.></td></ref.>	Replace airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>

E: DTC 21 **DIAGNOSIS:**

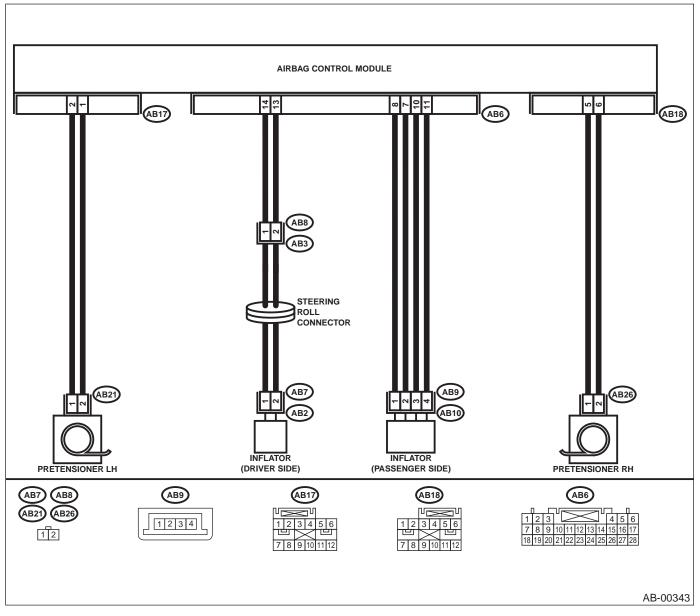
• Airbag control module is faulty.

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.

1 CHECK IF DTC 21 IS INDICATED. Read Diagnostic Trouble Code. <ref. ab-<="" th="" to=""><th>s not indicated. Perform cle</th><th>ear Replace the airbag</th></ref.>	s not indicated. Perform cle	ear Replace the airbag
20, Read Diagnostic Trouble Code (DTC).> Is airbag warning light trouble code 21 indicated?	memory. < AB-22, Cle Memory Mo	Ref. to control module. ar <ref. ab-18,<="" th="" to=""></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

F: DTC 22 WIRING DIAGRAM:



This code is indicated when the front airbag and the pretensioner are in operation. Once this code is indicated, memory is not erasable; therefore change the following parts.

- Airbag control module. <Ref. to AB-18, Airbag Control Module.>
- Driver's airbag module. <Ref. to AB-13, Driver's Airbag Module.>
- Passenger's airbag module. <Ref. to AB-14, Passenger's Airbag Module.>
- Front sub-sensor of both sides. <Ref. to AB-21, Front Sub Sensor.>
- Front seat belt outer with pretensioner of both sides. <Ref. to SB-7, Front Seat Belt.>

G: DTC 23

DIAGNOSIS:

(AB6), (AB17) and (AB18) are not connected properly to airbag control module.

Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.

	Step	Value	Yes	No
1	 CHECK POOR CONTACT IN CONNECTORS (AB6), (AB17) and (AB18). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connectors (AB6), (AB17) and (AB18) from the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""> Check if rust or damage appear on the harness connector and the control module connector.</ref.> 	Rust or damage on the harness connector and the control module are not found.	Go to step 2.	Replace the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""> Replace airbag main har- ness. <ref. 16,="" ab-="" har-="" main="" ness.="" to=""> Replace side airbag har- ness. <ref. 17,="" ab-="" airbag="" harness.="" side="" to=""></ref.></ref.></ref.>
2	 CHECK POOR CONTACT IN CONNECTORS (AB6), (AB17) and (AB18). 1) Ensure that connectors are firmly reconnected. 2) Connect the battery ground cable and turn the ignition switch ON. Does the air bag warning light operate properly? 	Operates properly.	Finish the diagnosis.	Replace the airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

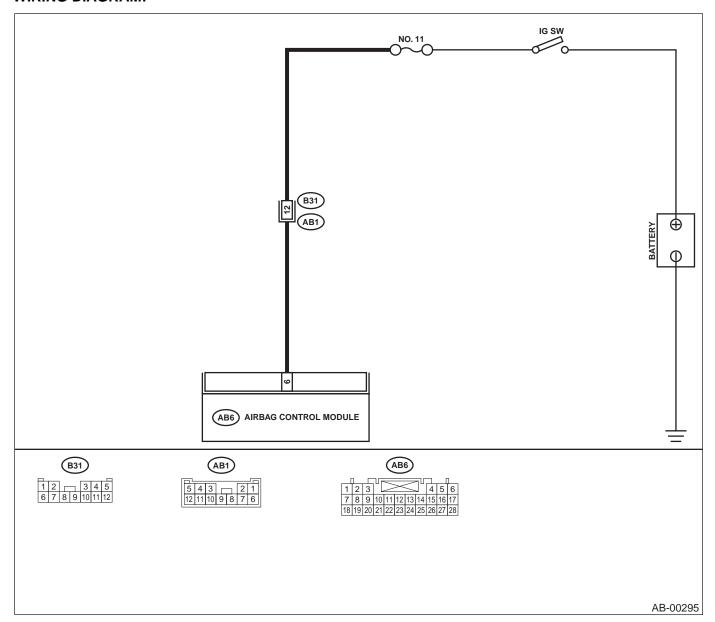
H: DTC 24

DIAGNOSIS:

- Airbag control module is faulty.
- Airbag main harness circuit is open.
- Fuse No, 11 (in joint box) is blown.
- Body harness circuit is open.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.



	Step	Value	Yes	No
1	 CHECK FUSE No. 11 (IN JOINT BOX). 1) Confirm that the ignition switch is turned OFF. 2) Remove fuse No. 11 (in joint box) and perform visual inspection. Is fuse No.11 blown? 	Fuse No. 11 is not blown.	Go to step 2.	Replace fuse No. 11. If fuse No. 11 blows again, repair the body harness.
2	 CHECK AIRBAG CONTROL MODULE. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect the connector (AB6) from the airbag control module. < Ref. to AB-18, Airbag Control Module.> Connect the connector (11) in test harness I2 to connector (AB6). Connect the battery ground cable and turn the ignition switch ON. Measure the voltage between connector (21) in test harness I2 and chassis ground. Connector & terminal (21) No. 3 (+) — Chassis ground (-): Does the measured value exceed the specified value? 	10 V	Replace the airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>	Go to step 3.
3	 CHECK BODY MAIN HARNESS. 1) While checking control module, turn the ignition switch OFF and disconnect the battery ground cable. Wait more than 20 seconds before operation. 2) Disconnect the airbag connector (AB1) from the body harness (B31). 3) Measure the voltage between the connector (B31) and the chassis ground. Connector & terminal (B31) No. 12 (+) — Chassis ground (-): Does the measured value exceed the specified value? 		Replace airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>	Repair the body harness.

AIRBAG SYSTEM (DIAGNOSTICS)

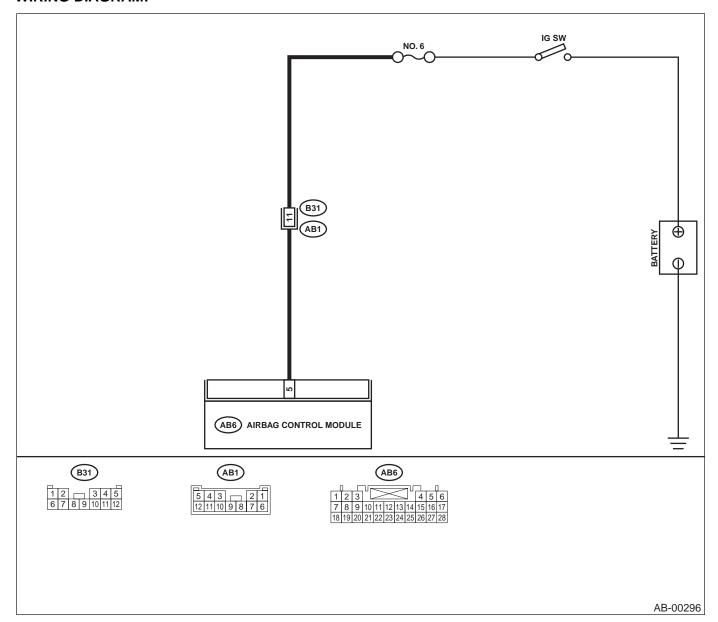
I: DTC 25

DIAGNOSIS:

- Airbag control module is faulty.
- Airbag main harness circuit is open.
- Fuse No. 6 (in joint box) is blown.
- Body harness circuit is open.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.



	Step	Value	Yes	No
1	 CHECK FUSE NO. 6 (IN JOINT BOX). 1) Confirm that the ignition switch is turned OFF. 2) Remove No. 6 fuse (in joint box) and perform visual inspection. Is fuse No. 6 blown? 	Fuse No. 6 is not blown.	Go to step 2.	Replace fuse No. 6. If fuse No. 6 is blown again, repair the body harness.
2	 CHECK AIRBAG CONTROL MODULE. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect the connector (AB6) from airbag control module. < Ref. to AB-18, Airbag Control Module.> Connect the connector (1I) in test harness I2 to connector (AB6). Connect the battery ground cable, and turn the ignition switch ON. Measure the voltage between the connector (2I) in test harness I2 and the chassis ground. Connector & terminal (2I) No. 6 (+) — Chassis ground (-): Does the measured value exceed the specified value? 	10 V	Replace the airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>	Go to step 3.
3	 CHECK AIRBAG MAIN HARNESS. While checking control module, turn the ignition switch OFF and disconnect the battery ground cable. Wait more than 20 seconds before operation. Disconnect the airbag connector (AB1) from the body harness (B31). Measure the voltage between the connector (B31) and the chassis ground. Connector & terminal (B31) No. 11 (+) — Chassis ground (-): Does the measured value exceed the specified value? 	10 V	Replace the airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>	Repair the body harness.

AIRBAG SYSTEM (DIAGNOSTICS)

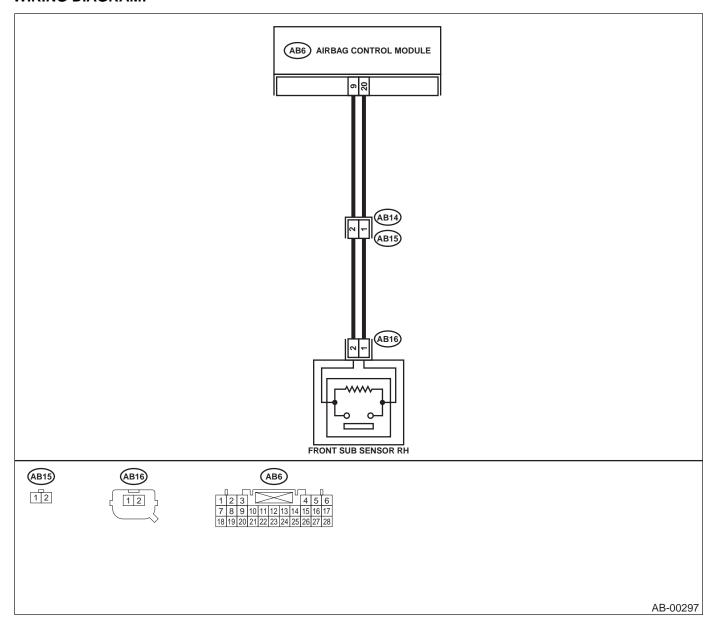
J: DTC 31

DIAGNOSIS:

- Front sub-sensor harness (RH) circuit is shorted.
- Front sub-sensor harness (RH) circuit is open.
- Front sub-sensor (RH) is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.



	Step	Value	Yes	No
1	CHECK FRONT SUB-SENSOR (RH) AND	750 Ω — 1 KΩ	Go to step 2.	Go to step 3.
	FRONT SUB-SENSOR HARNESS (RH).		•	·
	1) Turn the ignition switch OFF, disconnect			
	the battery ground cable, and wait more			
	than 20 seconds.			
	Disconnect the connector (AB6) from the airbag control module, and connect the			
	connector (1I) in test harness I2. <ref. td="" to<=""><td></td><td></td><td></td></ref.>			
	AB-18, Airbag Control Module.>			
	3) Measure the resistance of the connector			
	(3I) in test harness I2.			
	Connector & terminal			
	(3I) No. 2 — No. 4:			
	Is the measured value within the specified			
	range?		<u> </u>	
2	CHECK FRONT SUB-SENSOR (RH) AND	1 ΜΩ	Replace the airbag	Go to step 3.
	FRONT SUB-SENSOR HARNESS (RH). Measure the resistance between connector		control module. <ref. ab-18,<="" td="" to=""><td></td></ref.>	
	(3I) in test harness I2 and the chassis ground.		Airbag Control	
	Connector & terminal		Module.>	
	(3I) No. 2 — Chassis ground:			
	(3I) No. 4 — Chassis ground:			
	Does the measured value exceed the specified			
	value?			
3	CHECK AIRBAG MAIN HARNESS AND	10 Ω	Go to step 4.	Go to step 5.
	FRONT SUB-SENSOR HARNESS (RH).			
	 Disconnect connector (AB16) from the front sub-sensor. <ref. ab-21,="" front<="" li="" to=""> </ref.>			
	Sub Sensor.>			
	2) Connect connector (IH) in test harness H to			
	connector (AB16).			
	3) Measure the resistance between connector			
	(3I) in test harness I2 and connector (3H) in			
	test harness H.			
	Connector & terminal (3I) No. 2 — (3H) No. 5:			
	(31) No. 4 — (3H) No. 6:			
	Is the measured value less than the speci-			
	fied value?			
4	CHECK AIRBAG MAIN HARNESS AND	1 ΜΩ	Go to step 9.	Go to step 5.
	FRONT SUB-SENSOR HARNESS (RH).		, -	
	Measure the resistance between connector			
	(3I) in test harness I2 and the chassis ground.			
	Connector & terminal			
	(3I) No. 2 — Chassis ground: (3I) No. 4 — Chassis ground:			
	Does the measured value exceed the specified value?			
	value:			

	Step	Value	Yes	No
5	CHECK AIRBAG MAIN HARNESS	10 Ω	Go to step 6.	Replace airbag
	1) Remove the instrument panel. <ref. el-<="" td="" to=""><td></td><td>'</td><td>main harness.</td></ref.>		'	main harness.
	37, Instrument Panel Assembly.>			<ref. ab-16,<="" td="" to=""></ref.>
	2) Disconnect connector (AB15) from (AB14),			Main Harness.>
	and connect connector (2F) in test harness			
	F to connector (AB14).			
	3) Measure the resistance between connector			
	(3I) in test harness I2 and connector (3F) in			
	test harness F.			
	Connector & terminal			
	(3I) No. 2 — (3F) No. 6:			
	(3I) No. 4 — (3F) No. 5:			
	Is the measured value less than the speci-			
	fied value?			
6	CHECK AIRBAG MAIN HARNESS	1 ΜΩ	Go to step 7.	Replace airbag
	Measure the resistance between connector			main harness.
	(3I) in test harness I2 and the chassis ground.			<ref. ab-16,<="" td="" to=""></ref.>
	Connector & terminal			Main Harness.>
	(3I) No. 2 — Chassis ground:			
	(3I) No. 4 — Chassis ground:			
	Does the measured value exceed the specified			
	value?			
7	CHECK FRONT SUB-SENSOR HARNESS	10 Ω	Go to step 8.	Replace the front
[(RH).		00 to 0top 01	sub-sensor har-
	1) Connect connector (1F) in test harness F to			ness (RH) <ref. td="" to<=""></ref.>
	the connector (AB15).			AB-22, Front Sub
	2) Measure the resistance between connector			Sensor Harness.>
	(3H) in test harness H and connector (3F)			
	in the test harness F.			
	Connector & terminal			
	(3F) No. 3 — (3H) No. 5:			
	(3F) No. 4 — (3H) No. 6:			
	Is the measured value less than the speci-			
	fied value?			
8	CHECK FRONT SUB-SENSOR HARNESS	1 MΩ	Go to stop 0	Donland the front
ľ		1 IVI\$2	Go to step 9.	Replace the front sub-sensor har-
	(RH).			
	Measure the resistance between connector			ness (RH) <ref. td="" to<=""></ref.>
	(3F) in test harness F and the chassis ground.			AB-22, Front Sub
	Connector & terminal			Sensor Harness.>
	(3F) No. 3 — Chassis ground:			
	(3F) No. 4 — Chassis ground:			
	Does the measured value exceed the specified			
	value?			
9	CHECK FRONT SUB-SENSOR (RH).	750 Ω — 1 KΩ	Go to step 10.	Replace the front
	1) Connect connector (2H) in test harness H			sub-sensor (RH)
	to front sub-sensor (RH).			<ref. ab-21,<="" td="" to=""></ref.>
	2) Measure the resistance of the connector			Front Sub Sen-
	(3H) in test harness H.			sor.>
	Connector & terminal			
	(3H) No. 3 — No. 4:			
I	Is the measured value within the specified			
	is the measured value within the specified			

	Step	Value	Yes	No
10	CHECK FRONT SUB-SENSOR (RH). Measure the resistance between connector (3H) in test harness H and the chassis ground. Connector & terminal (3H) No. 3 — Chassis ground: (3H) No. 4 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Finish the diagnosis.	Replace the front sub-sensor (RH) <ref. ab-21,<br="" to="">Front Sub Sen- sor.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

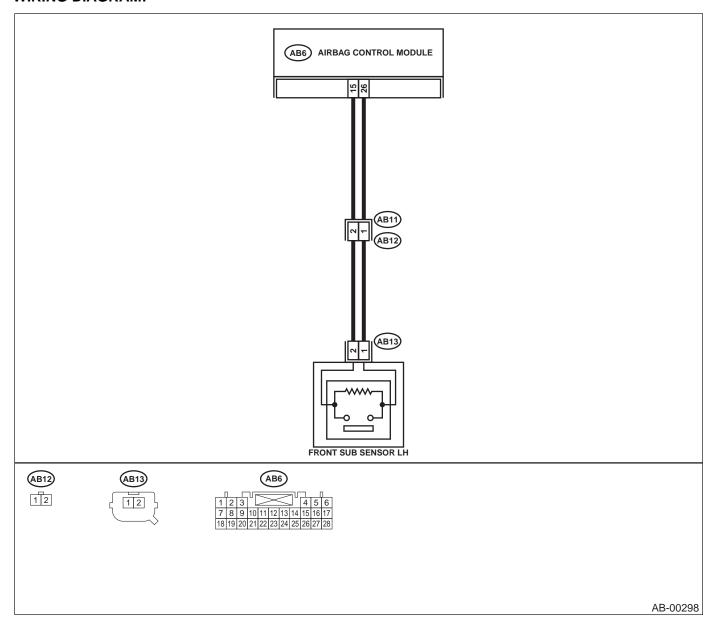
K: DTC 32

DIAGNOSIS:

- Front sub-sensor harness (LH) circuit is shorted.
- Front sub-sensor harness (LH) circuit is open.
- Front sub-sensor (LH) is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.



Step	Value	Yes	No
 CHECK FRONT SUB-SENSOR (LH) AND FRONT SUB-SENSOR HARNESS (RH). Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect connector (AB6) from the airbag control module, and connect connector (1I) in the test harness I2 to connector (AB6). <ref. ab-18,="" airbag="" control="" module.="" to=""></ref.> Measure the resistance of the connector (3I) in the test harness I2. Connector & terminal (3I) No. 1 — No. 3: Is the measured value within the specified range? 	750 Ω — 1 ΚΩ	Go to step 2.	Go to step 3.
2 CHECK FRONT SUB-SENSOR (LH) AND FRONT SUB-SENSOR HARNESS (RH). Measure the resistance between connector (3I) in test harness I2 and the chassis ground. Connector & terminal (3I) No. 1 — Chassis ground: (3I) No. 3 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Replace the air- bag control mod- ule. <ref. ab-<br="" to="">18, Airbag Control Module.></ref.>	Go to step 3.
3 CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (LH). 1) Disconnect the connector (AB13) from the front sub-sensor. <ref. ab-21,="" front="" sensor.="" sub="" to=""> 2) Connect connector (1H) in test harness H to connector (AB13). 3) Measure the resistance between connector (3I) in test harness I2 and connector (3H) in test harness H. Connector & terminal (3I) No. 3 — (3H) No. 5: (3I) No. 1 — (3H) No. 6: Is the measured value less than the specified value?</ref.>	10 Ω	Go to step 4.	Go to step 5.
4 CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (LH). Measure the resistance between connector (3I) in test harness I2 and the chassis ground. Connector & terminal (3I) No. 3 — Chassis ground: (3I) No. 1 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Go to step 9.	Go to step 5.

	Step	Value	Yes	No
5	CHECK AIRBAG MAIN HARNESS.	10 Ω	Go to step 6.	Replace the airbag
	1) Remove the instrument panel. <ref. el-<="" td="" to=""><td></td><td>'</td><td>main harness.</td></ref.>		'	main harness.
	37, Instrument Panel Assembly.>			<ref. ab-16,<="" td="" to=""></ref.>
	2) Disconnect connector (AB11) from (AB12),			Main Harness.>
	and connect connector (2F) in test harness			
	F to (AB11).			
	3) Measure the resistance between connector			
	(3I) in test harness I2 and connector (3F) in			
	test harness F.			
	Connector & terminal			
	(31) No. 3 — (3F) No. 6:			
	(3I) No. 1 — (3F) No. 5:			
	Is the measured value less than the speci-			
	fied value?			
6	CHECK AIRBAG MAIN HARNESS.	1 ΜΩ	Go to step 7.	Replace the airbag
	Measure the resistance between connector			main harness.
	(3I) in the test harness I2 and the chassis			<ref. ab-16,<="" td="" to=""></ref.>
	ground.			Main Harness.>
	Connector & terminal			
	(3I) No. 3 — Chassis ground:			
	(3I) No. 1 — Chassis ground:			
	Does the measured value exceed the specified			
	value?			
7	CHECK FRONT SUB-SENSOR HARNESS	10 Ω	Go to step 8.	Replace the front
	(LH).			sub-sensor har-
	1) Connect connector (1F) in test harness F to			ness (LH). <ref. td="" to<=""></ref.>
	connector (AB12).			AB-16, Main Har-
	2) Measure the resistance between connector			ness.>
	(3H) in test harness H and connector (3F)			
	in test harness F.			
	Connector & terminal			
	(3F) No. 3 — (3H) No. 5:			
	(3F) No. 4 — (3H) No. 6:			
	Is the measured value less than the speci-			
	fied value?	L MO	0 1 1	D 1 11 11
8	CHECK FRONT SUB-SENSOR HARNESS	1 ΜΩ	Go to step 9.	Replace the front
	(LH).			sub-sensor har-
	Measure the resistance between connector			ness (LH). <ref. td="" to<=""></ref.>
	(3F) in test harness F and the chassis ground. Connector & terminal			AB-16, Main Har- ness.>
	(3F) No. 3 — Chassis ground:			11000./
	(3F) No. 4 — Chassis ground:			
	Does the measured value exceed the specified			
	value?			
9	CHECK FRONT SUB-SENSOR (LH).	750 Ω — 1 ΚΩ	Go to step 10.	Replace the front
ا ا	Connect connector (2H) in test harness H	10022 11/22	CO 10 310p 10.	sub-sensor (LH).
	to front sub-sensor (LH).			<ref. ab-21,<="" td="" to=""></ref.>
	Measure the resistance of the connector			Front Sub Sen-
	(3H) in test harness H.			sor.>
	Connector & terminal			
	(3H) No. 3 — No. 4:			
	Is the measured value within the specified			
	range?			
	.ango.			

	Step	Value	Yes	No
10	CHECK FRONT SUB-SENSOR (LH). Measure the resistance between connector (3H) in test harness H and the chassis ground. Connector & terminal (3H) No. 3 — Chassis ground: (3H) No. 4 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Finish the diagnosis.	Replace the front sub-sensor (LH). <ref. ab-21,<br="" to="">Front Sub Sen- sor.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

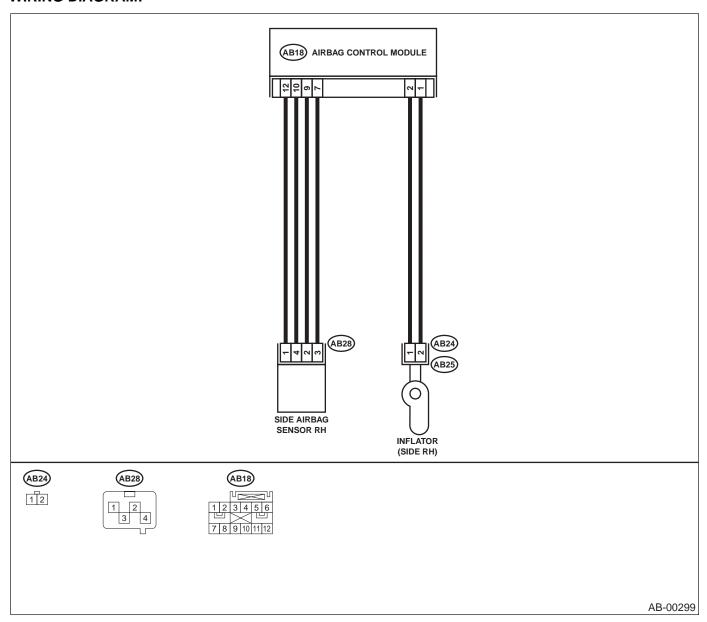
L: DTC 41

DIAGNOSIS:

- Side airbag harness (RH) is faulty.
- Side airbag module (RH) is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.



	Stan	Value	Voc	No
	Step	Value	Yes	No
1	 CHECK SIDE AIRBAG MODULE. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect the connector (AB26) from the seat belt pretensioner (RH). <ref. belt.="" front="" sb-7,="" seat="" to=""></ref.> Disconnect connector (AB25) from (AB24), and connect connector (1F) in test harness F to (AB24). Connect air bag resistor to connector (3F) in test harness F. Connect the battery ground cable, and turn the ignition switch ON. Does the airbag warning light operate properly? 	Operates properly.	Replace front seat with side airbag module (RH). <ref. sb-7,<br="" to="">Front Seat Belt.></ref.>	Go to step 2.
2	 CHECK SIDE AIRBAG HARNESS (RH). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect airbag resistor from test harness. 3) Disconnect the connector (AB18) from air bag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""></ref.> 4) Connect connector (1I) in test harness I2 to connector (AB18). 5) Measure the resistance between connector (3I) in test harness I2 and connector (3F) in test harness F. Connector & terminal (3I) No. 7 — (3F) No. 4: (3I) No. 9 — (3F) No. 3: Is the measured value less than the specified value? 	10 Ω	Go to step 3.	Replace side air- bag harness. <ref. ab-17,<br="" to="">Side Airbag Har- ness.></ref.>
3	CHECK SIDE AIRBAG HARNESS (RH). Measure the resistance of the connector (3F) in test harness F. Connector & terminal (3F) No. 3 — No. 4: Does the measured value exceed the specified value?	1 ΜΩ	Go to step 4.	Replace side air- bag harness. <ref. ab-17,<br="" to="">Side Airbag Har- ness.></ref.>
4	CHECK SIDE AIRBAG HARNESS (RH). Measure the resistance between connector (3F) in test harness F and the chassis ground. Connector & terminal (3F) No. 3 — Chassis ground: (3F) No. 4 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Replace the airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>	Replace side air- bag harness. <ref. ab-17,<br="" to="">Side Airbag Har- ness.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

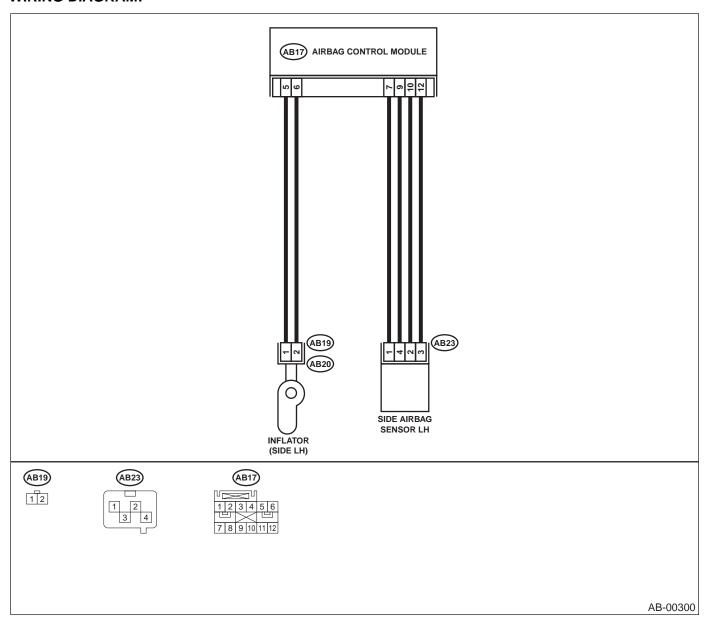
M: DTC 42

DIAGNOSIS:

- Side airbag harness (LH) is faulty.
- Side airbag module (LH) is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.



	Step	Value	Yes	No
4				
1	 CHECK SIDE AIRBAG MODULE. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect the connector (AB21) from the seat belt pretensioner (LH). <ref. belt.="" front="" sb-7,="" seat="" to=""></ref.> Disconnect connector (AB20) from (AB19), and connect connector (1F) in test harness F to (AB19). Connect airbag resistor to connector (3F) in test harness F. Connect the battery ground cable, and turn the ignition switch ON. Does the air bag warning light operate properly? 	Operates properly.	Replace front seat with side airbag module (LH). <ref. sb-7,<br="" to="">Front Seat Belt.></ref.>	Go to step 2.
2	CHECK SIDE AIRBAG HARNESS (LH). 1) Turn ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect airbag resistor from the test harness. 3) Disconnect the connector (AB17) from the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""> 4) Connect connector (1I) in test harness I2 to connector (AB17). 5) Measure the resistance between connector (3I) in test harness I2 and connector (3F) in test harness F. Connector & terminal (3I) No. 10 — (3F) No. 3: (3I) No. 12 — (3F) No. 4: Is the measured value less than the specified value?</ref.>	10 Ω	Go to step 3.	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>
3	CHECK SIDE AIRBAG HARNESS (LH). Measure the resistance of the connector (3F) in test harness F. Connector & terminal (3F) No. 3 — No. 4: Does the measured value exceed the specified value?	1 ΜΩ	Go to step 4.	Replace side air- bag harness. <ref. ab-17,<br="" to="">Side Airbag Har- ness.></ref.>
4	CHECK SIDE AIRBAG HARNESS (LH). Measure the resistance between connector (3F) in test harness F and the chassis ground. Connector & terminal (3F) No. 3 — Chassis ground: (3F) No. 4 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Replace the airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>	Replace side airbag harness. <ref. ab-17,<br="" to="">Side Airbag Harness.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

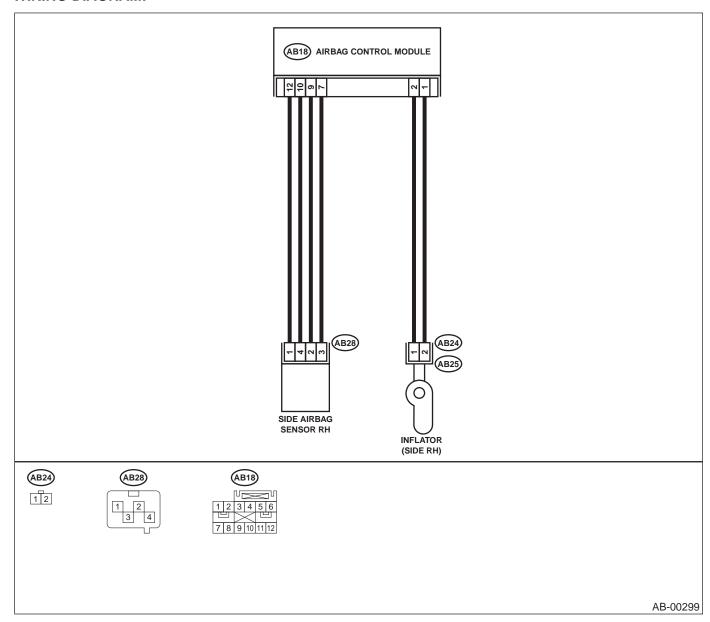
N: DTC 45

DIAGNOSIS:

- Side airbag harness (RH) is shorted to power supply.
- Airbag control module is faulty.

CAUTION

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.



	Step	Value	Yes	No
1) Tur the tha 2) Dis sea Fro 3) Dis (AE har 4) Cor test 5) Cor the	K SIDE AIRBAG MODULE. In the ignition switch OFF, disconnect battery ground cable, and wait more in 20 seconds. Inconnect the connector (AB26) from the lat belt pretensioner (RH). <ref. and="" se-7,="" seat.="" to=""> Inconnect the connector (AB25) from B24), and connect connector (1F) in test larges F to (AB24). Innect airbag resistor to connector (3F) in the harness F. Innect the battery ground cable, and turn ignition switch ON. In the ignition switch operate prop-</ref.>	Operates properly.	Replace front seat with side airbag module (RH). <ref. se-7,<br="" to="">Front Seat.></ref.>	Go to step 2.
2 CHEC 1) Tur the tha 2) Dis har 3) Dis airt bag 4) Cor cor 5) Cor the 6) Me (3I) gro Con (3 (3) Is ti	K SIDE AIRBAG HARNESS (RH). In the ignition switch OFF, disconnect battery ground cable, and wait more in 20 seconds. In connect airbag resistor from the test mess. Inconnect the connector (AB18) from the bag control module. < Ref. to AB-18, Airg Control Module. > Innect connector (11) in test harness I2 to innect the battery ground cable, and turn ignition switch ON. In asure the voltage between connector in test harness I2 and the chassis aund. In the connector (11) in test harness I2 in test harness I2 and the chassis aund. In the connector (12) in test harness I2 and the chassis aund. In the connector (13) in test harness I2 and the chassis aund. In the connector (14) in test harness I2 and the chassis aund. In the connector (15) in test harness I2 and the chassis aund. In the connector (15) in test harness I2 and the chassis aund. In the connector (15) in test harness I2 and the chassis aund. In the connector (15) in test harness I2 and the chassis aund. In the connector (16) in test harness I2 to the connector (17) in test harness I2 to the connector (18) in test harness I2 to the	1 V	Replace the airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

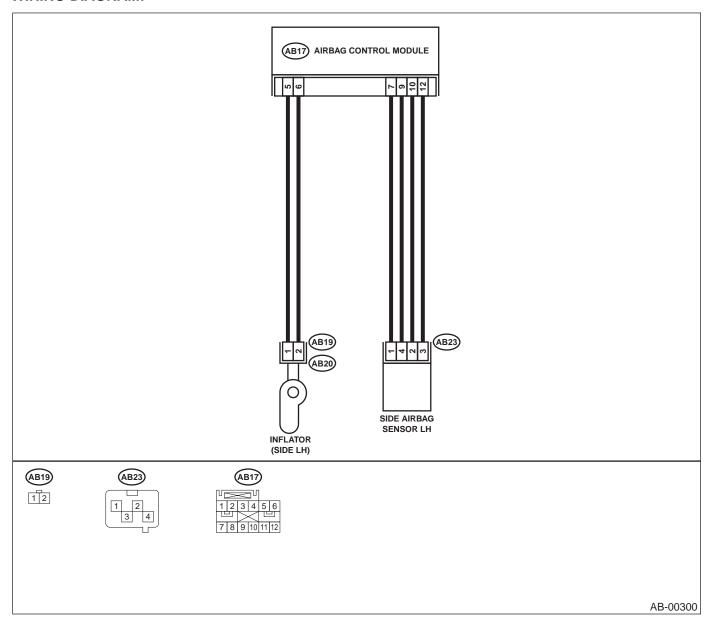
O: DTC 46

DIAGNOSIS:

- Side airbag harness (LH) is shorted to power supply.
- · Airbag control module is faulty.

CAUTION

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.



Step	Value	Yes	No
 CHECK SIDE AIRBAG MODULE. Turn the ignition switch OFF, disco the battery ground cable, and wait than 20 seconds. Disconnect connector (AB21) from seat belt pretensioner (LH). <ref. front="" seat.=""></ref.> Disconnect connector (AB20) from and connect connector (1F) in test F to (AB19). Connect airbag resistor to connector test harness F. Connect the battery ground cable a the ignition switch ON. Does air bag warning light operate erly? 	the to SE-7, (AB19), harness or (3F) in	Replace front seat with side airbag module (LH). <ref. se-7,<br="" to="">Front Seat.></ref.>	Go to step 2.
 CHECK SIDE AIRBAG HARNESS (LI 1) Turn the ignition switch OFF, discon the battery ground cable, and wait than 20 seconds. 2) Disconnect airbag resistor from the harness. 3) Disconnect the connector (AB17) frairbag control module. < Ref. to ABbag Control Module.> 4) Connect connector (1I) in test harned connector (AB17). 5) Connect the battery ground cable, at the ignition switch ON. 6) Measure the voltage between connector (3I) in test harness I2 and the chast ground. Connector & terminal (3I) No. 10 (+) — Chassis ground Is the measured value less than the fied value? 	nnect more test rom the -18, Air- ess I2 to and turn ector sis d (-): d (-):	Replace the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""></ref.>	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

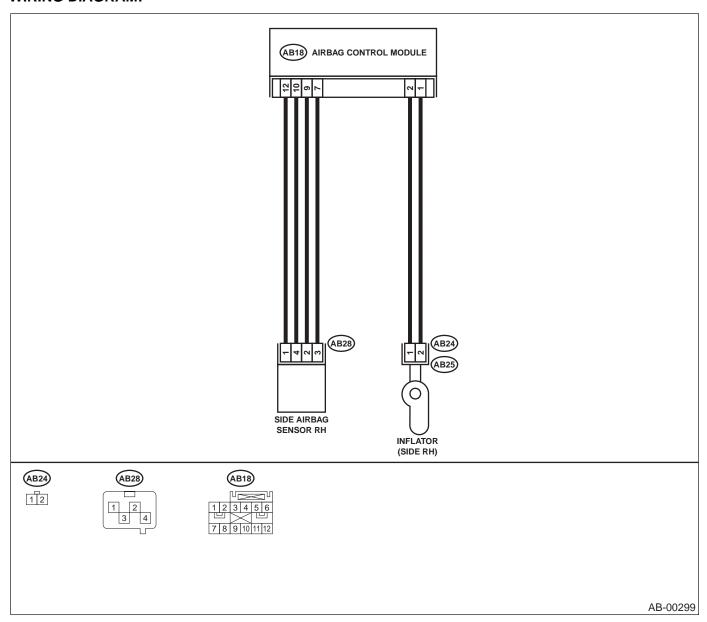
P: DTC 51

DIAGNOSIS:

- Side airbag sensor (RH) is faulty.
- Side airbag harness (RH) is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.



	Step	Value	Yes	No
1	 CHECK SIDE AIRBAG HARNESS (RH). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect connector (AB26) from the seat belt pretensioner (RH). <ref. belt.="" front="" sb-7,="" seat="" to=""></ref.> 3) Disconnect connector (AB25) from (AB24). 4) Disconnect connector (AB18) from the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""></ref.> 5) Connect connector (11) in test harness I2 to the connector (AB18). 6) Disconnect connector (AB28) from the side airbag sensor (RH), and connect connector (AB28). 7) Measure the resistance between connector (3I) in test harness G to connector (3G) in test harness G. Connector & terminal (3I) No. 17 — (3G) No. 2: (3I) No. 18 — (3G) No. 4: (3I) No. 19 — (3G) No. 5: Is the measured value less than the specified value? 	10 Ω	Go to step 2.	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>
2	CHECK SIDE AIRBAG HARNESS (RH). Measure the resistance between connector (3I) in test harness I2 and the chassis ground. Connector & terminal (3I) No. 17 — Chassis ground: (3I) No. 18 — Chassis ground: (3I) No. 19 — Chassis ground: (3I) No. 20 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Replace side airbag sensor (RH). <ref. ab-19,="" airbag="" sensor.="" side="" to=""> When sensor replacement is not OK, replace the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""></ref.></ref.>	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

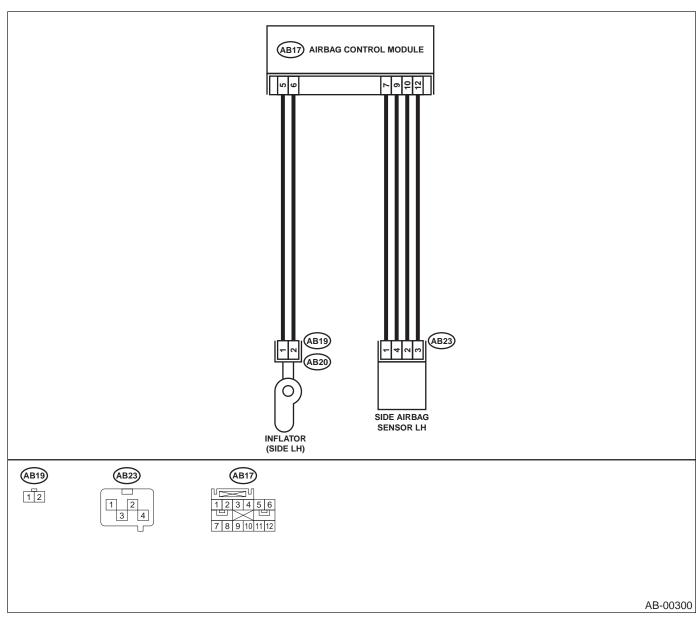
Q: DTC 52

DIAGNOSIS:

- Side airbag sensor (LH) is faulty.
- Side airbag harness (LH) is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.



AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Value	Yes	No
1	CHECK SIDE AIRBAG HARNESS (LH). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB21) from the seat belt pretensioner (LH). <ref. belt.="" front="" sb-7,="" seat="" to=""> 3) Disconnect connector (AB20) from (AB19). 4) Disconnect connector (AB17) from the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""> 5) Connect connector (1I) in test harness I2 to connector (AB17). 6) Disconnect connector (AB23) from the side airbag sensor (LH), and connect connector (AB23). 7) Measure the resistance between connector (AB23). 7) Measure the resistance between connector (3I) in test harness I2 and connector (3G) in test harness G. Connector & terminal (3I) No. 5 — (3G) No. 5: (3I) No. 14 — (3G) No. 1: (3I) No. 15 — (3G) No. 2: Is the measured value less than the specified value?</ref.></ref.>	10 Ω	Go to step 2.	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>
2	CHECK SIDE AIRBAG HARNESS (RH). Measure the resistance between connector (3I) in test harness I2 and the chassis ground. Connector & terminal (3I) No. 5 — Chassis ground: (3I) No. 14 — Chassis ground: (3I) No. 15 — Chassis ground: (3I) No. 16 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Replace side airbag sensor (LH). <ref. ab-19,="" airbag="" sensor.="" side="" to=""> When sensor replacement is not OK, replace the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""></ref.></ref.>	Replace side air- bag harness. <ref. ab-17,<br="" to="">Side Airbag Har- ness.></ref.>

R: DTC 53 DIAGNOSIS:

• Side airbag sensor (RH) is faulty.

When Code 53 is displayed, the circuit within the side airbag sensor (RH) is faulty. Replace the side airbag sensor (RH).

<Ref. to AB-19, Side Airbag Sensor.>

S: DTC 54 DIAGNOSIS:

• Side airbag sensor (LH) is faulty.

When Code 53 is displayed, the circuit within the side airbag sensor (LH) is faulty. Replace the side airbag sensor (LH).

<Ref. to AB-19, Side Airbag Sensor.>

T: DTC 55

This code is displayed when the side airbag is deployed.

When this code is displayed, the memory cannot be erased. Replace the following parts.

- Airbag control module. <Ref. to AB-18, Airbag Control Module.>
- Front seat with side airbag module. (Operating side) <Ref. to SE-7, Front Seat.>
- Side airbag sensor. (Operating side) <Ref. to AB-19, Side Airbag Sensor.>

AIRBAG SYSTEM (DIAGNOSTICS)

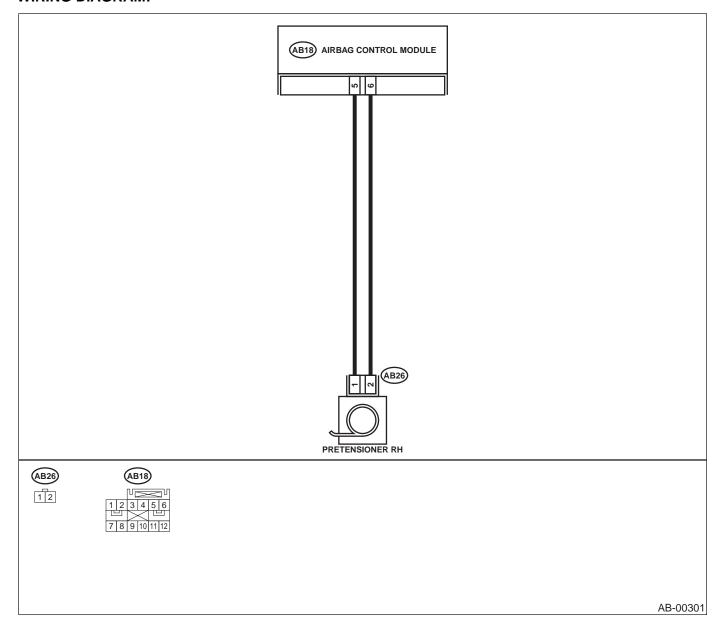
U: DTC 61

DIAGNOSIS:

- Seat belt pretensioner (RH) circuit is open, shorted or shorted to ground.
- Airbag control module is faulty.
- Pretensioner is faulty.
- Pretensioner harness is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.



Step	Value	Yes	No
 CHECK SEAT BELT PRETENSIONER. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect the connector (AB26) from the seat belt pretensioner (RH). <ref. belt.="" front="" sb-7,="" seat="" to=""></ref.> Connect the connector (1F) in test harness F to (AB26). 	Operates properly.	Replace seat belt pretensioner (RH). <ref. sb-7,<br="" to="">Front Seat Belt.></ref.>	Go to step 2.
4) Connect the airbag resistor to connector (3F) in test harness F. 5) Connect the battery ground cable and turn the ignition switch ON. Does the airbag warning light operate properly?	40.0	Co to eton 2	Poplago sido sir
 CHECK SIDE AIRBAG HARNESS (RH). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the airbag resistor from the test harness. 3) Disconnect the connector (AB25) from (AB24). 4) Disconnect the connectors (AB17) and (AB18) from the airbag control module. < Ref. to AB-18, Airbag Control Module.> 5) Connect the connector (1I) in test harness I2 to connector (AB18). 6) Measure the resistance between connector (3I) in test harness I2 and connector (3F) in test harness F. Connector & terminal (3I) No. 8 — (3F) No. 4: (3I) No. 6 — (3F) No. 3: Is the measured value less than the specified value? 	10 Ω	Go to step 3.	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>
3 CHECK SIDE AIRBAG HARNESS (RH). Measure the resistance of the connector (3I) in test harness I2. Connector & terminal (3I) No. 6 — No. 8: Does the measured value exceed the specified value?	1 ΜΩ	Go to step 4.	Replace side air- bag harness. <ref. ab-17,<br="" to="">Side Airbag Har- ness.></ref.>
4 CHECK SIDE AIRBAG HARNESS (RH). Measure the resistance between connector (3I) in test harness I2 and the chassis ground. Connector & terminal (3I) No. 6 — Chassis ground: (3I) No. 8 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Replace the airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>	Replace side air- bag harness. <ref. ab-17,<br="" to="">Side Airbag Har- ness.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

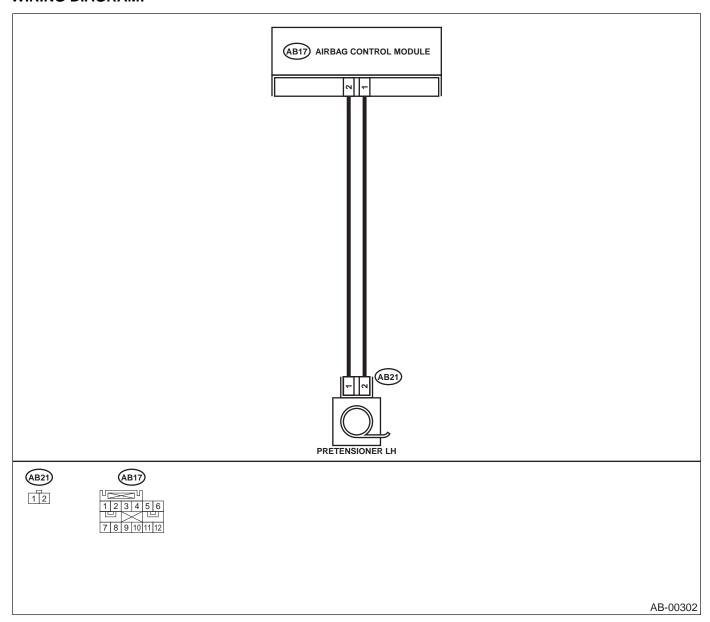
V: DTC 62

DIAGNOSIS:

- Seat belt pretensioner (LH) circuit is open, shorted or shorted to ground.
- Airbag control module is faulty.
- Pretensioner is faulty.
- Pretensioner harness is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.



	Step	Value	Yes	No
1				_
1	 CHECK SEAT BELT PRETENSIONER. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect the connector (AB21) from the seatbelt pretensioner (LH). <ref. belt.="" front="" sb-7,="" seat="" to=""></ref.> Connect the connector (1F) in test harness F to (AB21). Connect the airbag resistor to the connector (3F) in test harness F. Connect the battery ground cable and turn the ignition switch ON. Does the airbag warning light operate properly? 	Operates properly.	Replace seat belt pretensioner (LH). <ref. sb-7,<br="" to="">Front Seat Belt.></ref.>	Go to step 2.
2	 CHECK SIDE AIRBAG HARNESS (LH). Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect the airbag resistor from the test harness. Disconnect the connector (AB20) from (AB19). Disconnect the connectors (AB17) and (AB18) from the airbag control module. < Ref. to AB-18, Airbag Control Module.> Connect the connector (1I) in test harness I2 to the connector (AB17). Measure the resistance between connector (3I) in test harness I2 and the connector (3F) in test harness F. Connector & terminal (3I) No. 11 — (3F) No. 4: (3I) No. 13 — (3F) No. 3: Is the measured value less than the specified value? 	10 Ω	Go to step 3.	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>
3	CHECK SIDE AIRBAG HARNESS (LH). Measure the resistance of the connector (3I) in test harness I2. Connector & terminal (3I) No. 11 — No. 13: Does the measured value exceed the specified value?	1 ΜΩ	Go to step 4.	Replace side air- bag harness. <ref. ab-17,<br="" to="">Side Airbag Har- ness.></ref.>
4	CHECK SIDE AIRBAG HARNESS (LH). Measure the resistance between the connector (3I) in test harness I2 and the chassis ground. Connector & terminal (3I) No. 11 — Chassis ground: (3I) No. 13 — Chassis ground: Does the measured value exceed the specified value?	1 ΜΩ	Replace the airbag control module. <ref. ab-18,<br="" to="">Airbag Control Module.></ref.>	Replace side air- bag harness. <ref. ab-17,<br="" to="">Side Airbag Har- ness.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

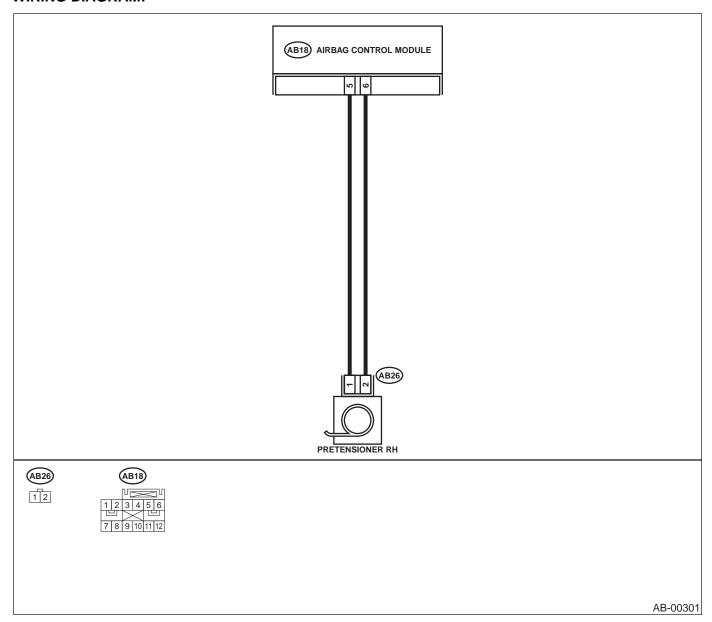
W: DTC 65

DIAGNOSIS:

- Seat belt pretensioner (RH) circuit is shorted to the power supply.
- · Pretensioner is faulty.
- Pretensioner harness is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.



	Step	Value	Yes	No
1) Tu th th th 2) Di se Fr 3) Co F 4) Co (3	CK SEAT BELT PRETENSIONER. urn the ignition switch OFF, disconnect e battery ground cable, and wait more an 20 seconds. isconnect the connector (AB26) from the eat belt pretensioner (RH). <ref. belt.="" ront="" sb-7,="" seat="" to=""> connect the connector (1F) in test harness to (AB26). connect the airbag resistor to connector F) in test harness F. connect the battery ground cable, and turn e ignition switch ON. coes the airbag warning light operate prop-</ref.>	Operates properly.	Replace seat belt pretensioner (RH). <ref. sb-7,<br="" to="">Front Seat Belt.></ref.>	Go to step 2.
2 CHEC 1) Tu th th 2) Di ha 3) Di (A 4) Di (A 4) Di (A 5) Co 12 6) Co th 7) M (3 gr Cor (Is	CK SIDE AIRBAG HARNESS (RH). Jurn the ignition switch OFF, disconnect to battery ground cable, and wait more an 20 seconds. Justician Sconnect the airbag resistor from the test arness. Justician Sconnect the connector (AB25) from AB24). Justician Sconnect the connectors (AB17) and AB18) from the airbag control module. Ref. to AB-18, Airbag Control Module. Justician Sconnect the connector (11) in test harness to the connector (AB18). Justician Sconnect the battery ground cable and turn to ignition switch ON. Justician Sconnector (11) in test harness is a proper to the connector (12) in test harness I2 and the chassis ound. June Language Sconnector (13) No. 6 (+) — Chassis ground (-): The measured value less than the specied value?	1 V	Replace the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""></ref.>	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

X: DTC 66

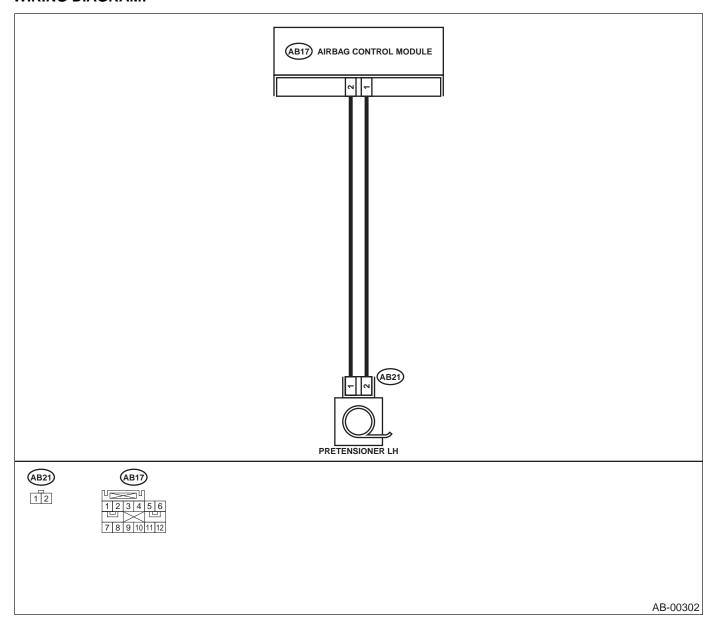
DIAGNOSIS:

- Seat belt pretensioner (LH) circuit is shorted to the power supply.
- · Pretensioner is faulty.
- Pretensioner harness is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module and the sensor, reconnect each part and confirm that the warning light operates properly.

 • When inspecting the side airbag harness, disconnect the side airbag module connector and seat
- belt pretensioner connector for the safety reasons.



	Step	Value	Yes	No
1	 CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB21) from the seat belt pretensioner (LH). <ref. belt.="" front="" sb-7,="" seat="" to=""></ref.> 3) Connect the connector (1F) in test harness F to (AB21). 4) Connect the airbag resistor to the connector (3F) in test harness F. 5) Connect the battery ground cable and turn the ignition switch ON. Does the airbag warning light operate properly? 	Operates properly.	Replace seat belt pre-tensioner (LH). <ref. sb-7,<br="" to="">Front Seat Belt.></ref.>	Go to step 2.
2	CHECK SIDE AIRBAG HARNESS (LH). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the airbag resistor from the test harness. 3) Disconnect the connector (AB20) from (AB19). 4) Disconnect the connectors (AB17) and (AB18) from the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""> 5) Connect the connector (11) in test harness 12 to the connector (AB17). 6) Connect the battery ground cable and turn the ignition switch ON. 7) Measure the voltage between connector (31) in test harness 12 and the chassis ground. Connector & terminal (31) No. 11 (+) — Chassis ground (-): (31) No. 13 (+) — Chassis ground (-): Is the measured value less than the specified value?</ref.>	1 V	Replace the airbag control module. <ref. ab-18,="" airbag="" control="" module.="" to=""></ref.>	Replace side airbag harness. <ref. ab-17,="" airbag="" harness.="" side="" to=""></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

Y: DTC 72

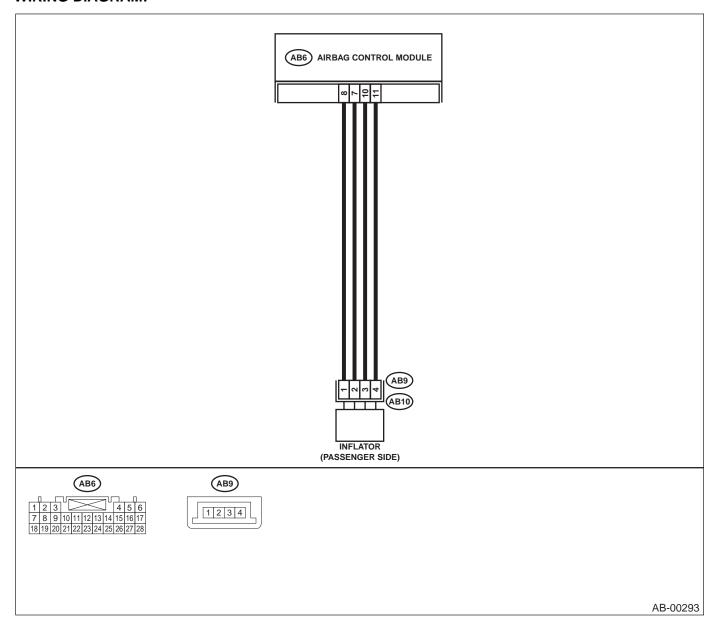
DIAGNOSIS:

- Airbag harness is open, shorted or shorted to ground.
- Airbag module harness (Passenger) circuit is open, shorted or shorted to ground.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.

 • When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's
- airbag module connectors for safety reasons.



			
Step	Value	Yes	No
 CHECK PASSENGER'S AIRBAG MODULE. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Pull out the two stopper pins and lower the glove box. Disconnect the connector passenger's airbag module from (AB9). Connect the connector (1K) in test harness K to connector (AB9). Connect two airbag resistors to connectors (3K) and (4K) in test harness K. Connect the battery ground cable and turn the ignition switch ON. Does the airbag warning light operate properly? 	Operates properly.	Replace the passenger's airbag module. <ref. ab-13,="" airbag="" module="" passenger's="" s802308.="" to=""></ref.>	Go to step 2.
CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect two airbag resistors from the connectors (3K) and (4K) in test harness K. 3) Remove the lower cover and disconnect the connector (AB3) from (AB8). 4) Disconnect the connector (AB6) from the air bag control module, and connect the connector (1I) in test harness I2. 5) Measure the resistance between connector (6I) in test harness I2 and the connector (4K) in test harness K. Connector & terminal (6I) No. 2 — (4K) No. 3: (6I) No. 4 — (4K) No. 4: Is the measured value less than specified value?	10 Ω	Go to step 3.	Replace the airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>
CHECK AIRBAG MAIN HARNESS. Measure the resistance of the connector (6I) in test harness I2. Connector & terminal (6I) No. 2 — No. 4: (6I) No. 2 — Chassis ground: (6I) No. 4 — Chassis ground: Is the measured value more than specified value?	1 ΜΩ	Replace the airbag control module. <ref. ab-15,<br="" to="">Airbag Control Module S802302.></ref.>	Replace the airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

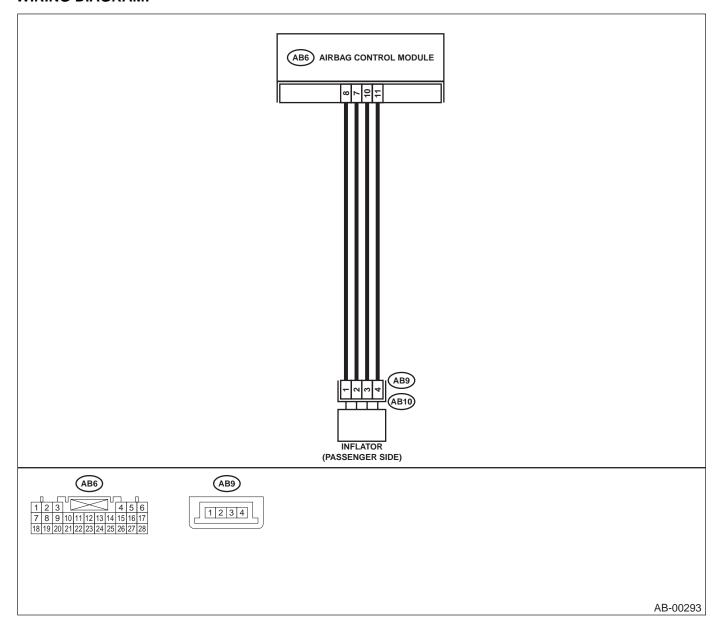
Z: DTC 76

DIAGNOSIS:

- Airbag main harness (Passenger) circuit is shorted to the power supply.
- Airbag module harness (Passenger) is shorted to the power supply.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.



	Step	Value	Yes	No
1	 CHECK PASSENGER'S AIRBAG MODULE. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Pull out the two stopper pins and lower the glove box. Disconnect the connector (AB9) from passenger's airbag module. Connect the connector (1K) in test harness K to connector (AB9). Connect two airbag resistors to connectors (3K) and (4K) in test harness K. Connect the battery ground cable and turn the ignition switch ON. Does the airbag warning light operate properly? 	Operates properly.	Replace the passenger's airbag module. <ref. ab-13,="" airbag="" module="" passenger's="" s802308.="" to=""></ref.>	Go to step 2.
2	 CHECK AIRBAG MAIN HARNESS. Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. Disconnect two airbag resistors from the connectors (3K) and (4K) in test harness K. Remove the lower cover and disconnect the connector (AB3) from (AB8). Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I2. Measure the voltage between connector (6I) in test harness I2 and the chassis ground. Connector & terminal (6I) No. 2 (+) — Chassis ground (-): Is the measured value less than specified value? 	1 V	Replace the airbag control module. <ref. ab-15,<br="" to="">Airbag Control Module S802302.></ref.>	Replace the airbag main harness. <ref. ab-16,<br="" to="">Main Harness.></ref.>

MEMO: