

Step	Action	Yes	No
9	1) Check DTC using SUZUKI scan tool, referring to “DTC Check”. <i>Is “NO CODES” displayed on SUZUKI scan tool?</i>	Substitute a known-good SDM and recheck.	Check and repair according to flow corresponding to that DTC.
10	1) Check DTC using monitor coupler, referring to “DTC Check”. <i>Is flashing pattern no. 12 indicated on “AIR BAG” warning lamp?</i>	Substitute a known-good SDM and recheck.	Check and repair according to flow corresponding to that DTC.

DTCs Description

S3RH0A8204005



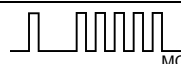

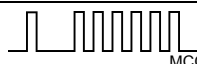

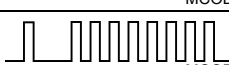



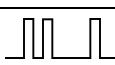









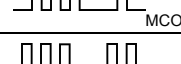
⚠ WARNING

To avoid deployment when troubleshooting the air bag system, do not use electrical test equipment such as a battery powered or AC powered voltmeter, ohmmeter, etc., or any type of electrical equipment other than that specified in this manual. Do not use a non-powered probe type tester. Instructions in this manual must be followed carefully, otherwise personal injury may result.






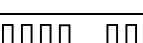

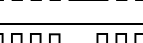

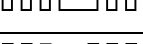



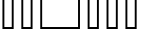







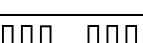

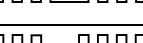

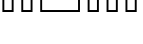







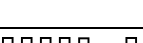

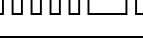
The “Air Bag Diagnostic System Check” must always be the starting point of any air bag system diagnosis. The “Air Bag Diagnostic System Check” for proper “AIR BAG” warning lamp operation and checks for air bag diagnostic trouble codes (DTCs) using on-board diagnosis function or SUZUKI scan tool.






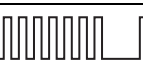


















DTC Table

S3RH0A8204006

DTC	“AIR BAG” Warning Lamp Flashing Pattern		Diagnosis		
	No.	MODE			
—	12	 MCODE00012-0-01	Normal		—
B1015 	15	 MCODE00015-0-01	Passenger air bag circuit	Resistance high	Diagnose trouble according to diagnostic flow table corresponding to each code No.
B1016 	16	 MCODE00016-0-01		Resistance low	
B1018 	18	 MCODE00018-0-01		Short to ground	
B1019 	19	 MCODE00019-0-01		Short to power circuit	
B1021 	21	 MCODE00021-0-01	Driver air bag circuit	Resistance high	
B1022 	22	 MCODE00022-0-01		Resistance low	
B1024 	24	 MCODE00024-0-01		Short to ground	
B1025 	25	 MCODE00025-0-01		Short to power circuit	
B1031 	31	 MCODE00031-0-01	Power source voltage	Too high	
B1032 	32	 MCODE00032-0-01		Too low	

8B-15 Air Bag System:

DTC	“AIR BAG” Warning Lamp Flashing Pattern		Diagnosis		
	No.	MODE			
B1041 	41	 MCODE00041-0-01	Driver pretensioner circuit	Resistance high	Diagnose trouble according to diagnostic flow table corresponding to each code No.
B1042 	42	 MCODE00042-0-01		Resistance low	
B1043 	43	 MCODE00043-0-01		Short to ground	
B1044 	44	 MCODE00044-0-01		Short to power circuit	
B1045 	45	 MCODE00045-0-01	Passenger pretensioner circuit	Resistance high	
B1046 	46	 MCODE00046-0-01		Resistance low	
B1047 	47	 MCODE00047-0-01		Short to ground	
B1048 	48	 MCODE00048-0-01		Short to power circuit	
B1051 	51	 MCODE00051-0-01	SDM	Frontal crash detected	
B1056 	56	 MCODE00056-0-01		Sideward crash (driver side) detected	
B1057 	57	 MCODE00057-0-01		Sideward crash (passenger side) detected	
B1058 	58	 MCODE00058-0-01		Frontal crash detected (pretensioner activation command outputted)	
B1061 	61	 MCODE00061-0-01	“AIR BAG” warning lamp circuit	Circuit failure	
B1063 	63	 MCODE00063-0-01	Side sensor circuit (driver side)	Short to ground	
B1064 	64	 MCODE00064-0-01		Short to power circuit or open	
B1065 	65	 MCODE00065-0-01	Side sensor circuit (passenger side)	Short to ground	
B1066 	66	 MCODE00066-0-01		Short to power circuit or open	
B1071 	71	 MCODE00071-0-01	SDM	Internal fault	

DTC	“AIR BAG” Warning Lamp Flashing Pattern		Diagnosis		
	No.	MODE			
B1072 	72	 MCODE00072-0-01	Side sensor (driver side)	Internal fault	Diagnose trouble according to diagnostic flow table corresponding to each code No.
B1073 	73	 MCODE00073-0-01	Side sensor circuit (driver side)	Correspondence abnormality	
B1074 	74	 MCODE00074-0-01	Side sensor (passenger side)	Internal fault	
B1075 	75	 MCODE00075-0-01	Side sensor circuit (passenger side)	Correspondence abnormality	
B1081 	81	 MCODE00081-0-01	Side air bag circuit (driver side)	Resistance high	
B1082 	82	 MCODE00082-0-01		Resistance low	
B1083 	83	 MCODE00083-0-01		Short to ground	
B1084 	84	 MCODE00084-0-01		Short to power circuit	
B1085 	85	 MCODE00085-0-01	Side air bag circuit (passenger side)	Resistance high	
B1086 	86	 MCODE00086-0-01		Resistance low	
B1087 	87	 MCODE00087-0-01		Short to ground	
B1088 	88	 MCODE00088-0-01		Short to power circuit	

NOTE

- When 2 or more codes are indicated by “AIR BAG” warning lamp flashing pattern and SUZUKI scan tool, the lowest numbered code will appear first.
- Current DTC and history DTC can be identified by lighting and flashing of “AIR BAG” warning lamp as follows. However, if a multiple number of DTC's are set an even one of them is a current DTC, “AIR BAG” warning lamp remains on after ignition switch is turned ON. Therefore, it is not possible to identify any of them as to whether it is a current one or a history one. (But use of SUZUKI scan tool will make identification possible.)

	Current DTC is set. (Abnormality exists at present.)	History DTC is set only. (Faulty condition occurred once in the past but normal condition is restored at present.)
“AIR BAG” warning lamp after ignition switch ON	Flashing 6 times and turns on.	Flashing 6 times and turns off.
“AIR BAG” warning lamp when grounding diagnosis switch	Current DTC is displayed.	History DTC is displayed.