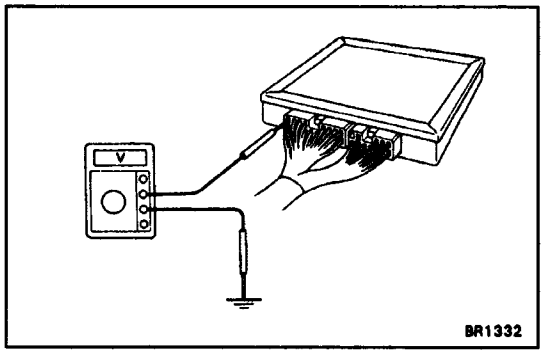


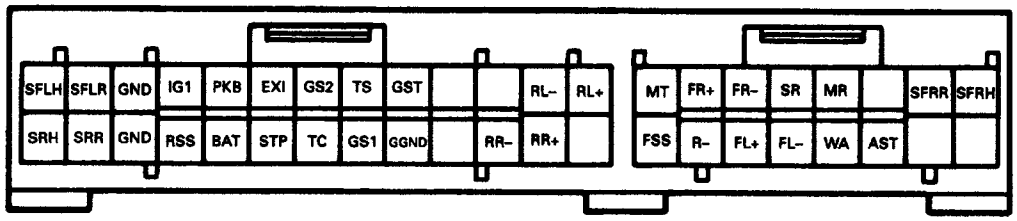
ANTI–LOCK BRAKE SYSTEM CIRCUIT

SYSTEM CIRCUIT INSPECTION

1. INSPECT SYSTEM CIRCUIT WITH CONNECTOR CONNECTED

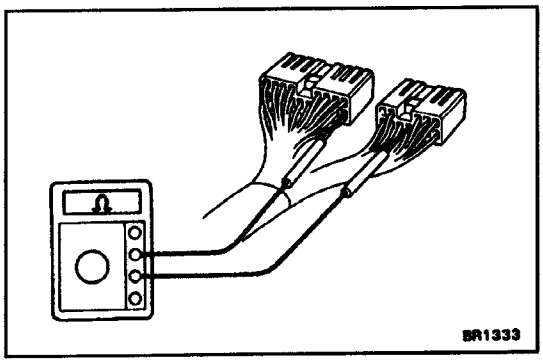
(a) Remove the ABS ECU.

(b) Using a voltmeter with high impedance (10 kΩ/V minimum), measure the voltage at each terminal and body ground.



Tester Connection	Check item	Condition	Specified Value	Trouble Part
SFRH	Voltage	IG switch 4N and "ABS" warning light goes o	10 – 14 V	Actuator
SFRR	Voltage	IG switch ON and "ABS" warning light goes o	10 – 14 V	
SR	Voltage	IG switch ON and "A6S" warning light goes on	About 0 V	ABS ECU
		IG switch ON and "ABS" warning light goes off	10 – 14 V	
FR–	Continuity	!G switch OFF	Continuity	
RL–	Continuity	IG switch OFF	Continuity	
TS	Voltage	IG switch ON and data link connector 1 Ts –E1 not connected	10 – 14 V	
		IG switch ON and data link connector 1 Ts–E1 connected	About 0 V	
GS2	Voltage	IG switch ON	4 – 6 V	Deceleration Sensor
EXI	Voltage	IG switch ON and 4WD indicator light goes off	10 – 14 V	GAUGE Fuse
PKB	Voltage	IG switch ON and PKB lever pulled	About 0 V	Parking brake switch Level warning switch
		IG switch ON and PKB lever returned	10 – 14 V	
IG1	Voltage	1G switch ON	10 – 14 V	ECU–IG Fuse
SFLR	Voltage	IG switch ON and "ABS" warning light goes off	10 – 14 V	Actuator
SFLH	Voltage	IG switch ON and "ABS" warning light goes off	10 – 14 V	
AST	Voltage	IG switch ON and "A6S" warning light goes off	About 0 V	ABS ECU
		IG switch ON and 'ASS' warning light goes on	10 – 14 V	
WA	Voltage	IG switch ON and "ABS" warning light goes on	About 0 V	
		IG switch ON and "ABS" warning light goes off	10 – 14 V	
FL–	Continuity	IG switch OFF	Continuity	
R–	Continuity	IG switch OFF	Continuity	
FSS	Continuity	IG switch OFF	Continuity	
RR–	Continuity	IG switch OFF	Continuity	
GS1	Voltage	IG switch ON	4 – 6 V or 7 – 12 V	Deceleration Sensor
TC	Voltage	IG switch ON and data link connector 1 Tc–E1 not connected	10 – 14 V	ABS ECU
		IG switch ON and data link connector 1 Tc– E1 connected	About 0 V	
STP	Voltage	IG switch OFF and brake pedal depressed	8 – 14 V	Stop light switch Stop light
	Continuity	IG switch OFF and brake pedal returned	Continuity	
BAT	Voltage	IG switch OFF	10 – 14 V	DOME Fuse
RSS	Continuity	IG switch OFF	Continuity	ABS ECU
SRR	Voltage	IG switch ON and "ABS" warning light goes off	10 – 14 V	Actuator
SRH	Voltage	IG switch ON and "ABS" warning light goes off	10 – 14 V	

If the circuit is not as specified, check and repair or replace the trouble part shown in the table above.



2. INSPECT SYSTEM CIRCUIT WITH CONNECTOR DISCONNECTED

(a) Disconnect the connectors from the ECU, inspect at the wire harness side connector.

Tester Connection	Check Item	Specified Value	Trouble Part	ster Connection	Check Item	Specified Value	Trouble Part
SFRH ↔ Body Ground	Resistance	About 5.0 Ω	Actuator	SFLR ↔ Body Ground	Resistance	About 2.2 Ω	Actuator
SFRR ↔ Body Ground	Resistance	About 2.2 Ω	Actuator	SFLH ↔ Body Ground	Resistance	About 5.0 Ω	Actuator
MR ↔ R–	Resistance	56 – 68 Ω	Control relay	AST ↔ Body Ground	Resistance	About 5.0 Ω	Actuator
SR ↔ R–	Resistance	72 – 88 Ω	Control relay	FL+ ↔ FL–	Resistance	0.89 – 1.29 kΩ	LN Front speed sensor
FR+ ↔ FR–	Resistance	0.89 – 1.29 kΩ	RH Front speed sensor	RR+ ↔ RR–	Resistance	1.05 – 1.45 kΩ	RH Rear speed sensor
MT ↔ Body Ground	Continuity	Continuity	Actuator	SRR ↔ Body Ground	Resistance	About 2.2 Ω	Actuator
RL+ ↔ RL–	Resistance	1.05 – 1.45 kΩ	LH Rear speed sensor	SRH ↔ Body Ground	Resistance	About 5.0 Ω	Actuator

If the circuit is not as specified, check and repair or replace the trouble part shown in the table above.

(b) Connect the connectors, and install the ECU in place.