PROBLEM SYMPTOMS TABLE

If there are no DTCs output but the problem still occurs, check the circuits for each problem symptom in the order given in the table below and proceed to the relevant troubleshooting page.

NOTICE:

When replacing the brake actuator assembly, sensor, etc., turn the ignition switch off.

HINT:

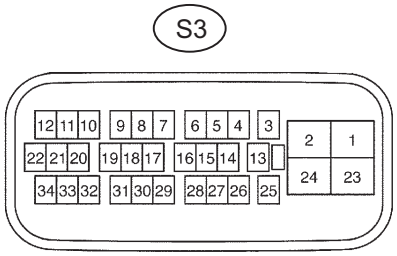
Inspect the fuse and relay before investigating the suspected areas as shown in the table below. Inspect each malfunction circuit in numerical order for the corresponding symptom.

Anti-lock brake system:

Symptom	Suspected Area	See page
ABS does not operate	1. Check the DTC again and make sure that the normal system code is output.	BC-10
	2. IG power source circuit	BC-37
	3. Front speed sensor circuit	BC-17
	4. Rear speed sensor circuit	BC-23
	5. Check the brake actuator with the intelligent tester. If abnormal, check the hydraulic circuit for leakage.	BC-183
	6. If the symptoms still occur even after the above circuits in suspected areas have been inspected and proved to be normal, replace the brake actuator assembly.	BC-184
ABS does not operate efficiently	1. Check the DTC again and make sure that the normal system code is output.	BC-10
	2. Front speed sensor circuit	BC-17
	3. Rear speed sensor circuit	BC-23
	4. Stop light switch circuit	BC-41
	5. Check the brake actuator with intelligent tester. If abnormal, check that hydraulic circuit for leakage.	BC-183
	6. If the symptoms still occur even after the above circuits in suspected areas have been inspected and proved to be normal, replace the brake actuator assembly.	BC-184
ABS warning light abnormal (Remains on)	1. ABS warning light circuit	BC-47
	2. Brake actuator assembly	BC-184
ABS warning light abnormal (Does not come on)	1. ABS warning light circuit	BC-50
	2. Brake actuator assembly	BC-184
BRAKE warning light abnormal (Remains on)	1. BRAKE warning light circuit	BC-52
	2. Brake actuator assembly	BC-184
BRAKE warning light abnormal (Does not come on)	1. BRAKE warning light circuit	BC-59
	2. Brake actuator assembly	BC-184
DTC check cannot be done	1. Check the DTC again and make sure that the normal system code is output.	BC-10
	2. TC and CG terminal circuit	BC-61
	3. If the symptoms still occur even after the above circuits in suspected areas have been inspected and proved to be normal, replace the brake actuator assembly.	BC-184
Test mode (Signal check) cannot be done	1. TS and CG terminal circuit	BC-64
	2. Brake actuator assembly	BC-184

TERMINALS OF ECU

Skid Control ECU:



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Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
+BS (2) - GND (1,23)	W - W-B	Always	10 to 14 V
FL+ (13) - FL- (26)	L-W - O	IG switch ON, slowly turn right front wheel	AC generation
RL+ (7) - RL- (6)	R - G	IG switch ON, slowly turn right front wheel	AC generation
BRL (19) - GND (1,23)	Y-B - W-B	IG switch ON, BRAKE warning light ON	8 to 14 V
D/G (11) - GND (1,23)	GR-R - W-B	IG switch ON	10 to 14 V
TS (10) - GND (1,23)	Y-G - W-B	IG switch ON	10 to 14 V
TC (8) - GND (1,23)	P-B - W-B	IG switch ON	10 to 14 V
STP (16) - GND (1,23)	G-W - W-B	Stop light switch ON	8 to 14 V
+BM (24) - GND (1,23)	B-R - W-B	Always	10 to 14 V
IG1 (3) - GND (1,23)	B-R - W-B	IG switch ON	10 to 14 V
WA (30) - GND (1,23)	R-W - W-B	IG switch ON, ABS warning light ON	8 to 14 V
FR+ (27) - FR- (28)	B - Y	IG switch ON, slowly turn right front wheel	AC generation
RR+ (5) - RR- (4)	LG - L	IG switch ON, slowly turn right front wheel	AC generation
SP1 (17) - GND (1,23)	GR - W-B	Vehicle driving at about 20 km/h (12 mph)	Below 1.5 Ω
PKB (12) - GND (1,23)	R-L - W-B	IG switch ON, parking brake switch ON	10 to 14 V
PKB (12) - GND (1,23)	R-L - W-B	IG switch ON, parking brake switch OFF	10 to 14 V