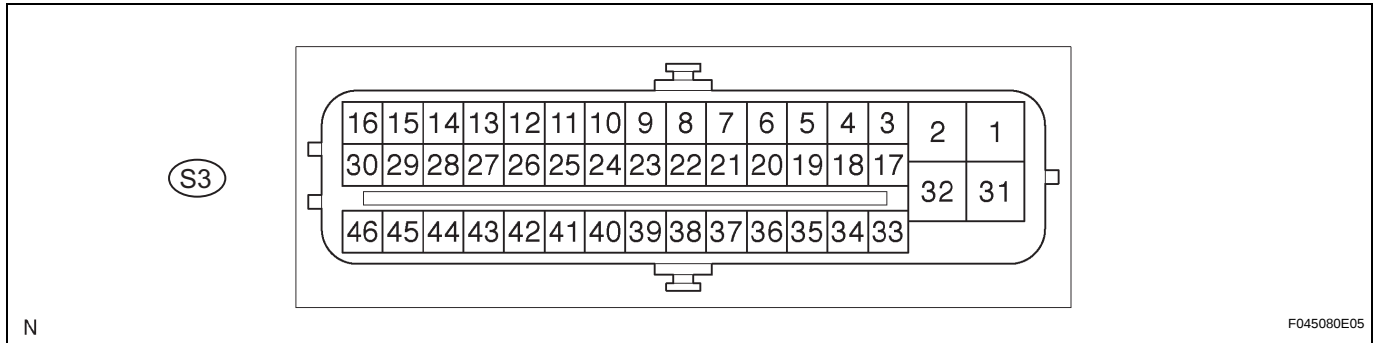


TERMINALS OF ECU

1. CHECK BRAKE ACTUATOR ASSEMBLY (SKID CONTROL ECU ASSEMBLY WITH ACTUATOR)



(a) Measure the voltage and resistance of the wire harness side connector.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
BM (S3-2) - GND1, 2 (S3-32, 1)	B-R - W-B	Motor relay test input	Ignition switch ON, pump motor running	11 to 14 V
FR+ (S3-3) - FR- (S3-17)	BR-Y - BR	Front RH wheel speed signal input	Ignition switch ON, slowly turn right front wheel	AC generation
FL+ (S3-18) - FL- (S3-4)	R - G	Front LH wheel speed signal input	Ignition switch ON, slowly turn left front wheel	AC generation
RR+ (S3-5) - RR- (S3-19)	LG-B - LG-R	Rear RH wheel speed signal input	Ignition switch ON, slowly turn right rear wheel	AC generation
RL+ (S3-20) - RL- (S3-6)	Y - B	Rear LH wheel speed signal input	Ignition switch ON, slowly turn left rear wheel	AC generation
NEO (S3-10) - GND1, 2 (S3-32, 1)	V - W-B	Engine rpm signal input	Engine idling	Pulse generation
CANH (S3-11) - CANL (S3-25)	B - W	CAN communication line	Ignition switch ON	Pulse generation
D/G (S3-13) - GND1, 2 (S3-32, 1)	W - W-B	Diagnostic communication line	Ignition switch ON	11 to 14 V
MRF (S3-14) - R+ (S3-45)	B - R	Fail-safe motor relay output	Ignition switch ON	11 to 14 V
MR (S3-15) - R+ (S3-45)	L - R	Ignition switch ON, pump motor running	Motor relay output	11 to 14 V
+BS (S3-31) - GND1, 2 (S3-32, 1)	B - W-B	Solenoid relay power supply	Always	11 to 14 V
STP (S3-27) - GND1, 2 (S3-32, 1)	G-W - W-B	Stop light input signal	Stop light switch ON (Brake pedal depressed)	8 to 14 V
			Stop light switch OFF (Brake pedal released)	Below 1.5 V
PKB (S3-28) - GND1, 2 (S3-32, 1)	B - W-B	Parking brake switch input	Ignition switch ON, parking brake switch ON	Below 1.5 V
			Ignition switch ON, parking brake switch OFF	11 to 14 V
WA (S3-29) - GND1, 2 (S3-32, 1)	P - W-B	ABS warning light output	Ignition switch ON, ABS warning light ON	11 to 14 V
			Ignition switch ON, ABS warning light OFF	Below 2.0 V
Bz (S3-30) - GND1, 2 (S3-32, 1)	R-W - W-B	Buzzer output	Ignition switch ON, VSC buzzer sounds	Below 1.0 V
			Ignition switch ON, VSC buzzer does not sound	11 to 14 V
IND (S3-34) - GND1, 2 (S3-32, 1)	B-R - W-B	SLIP input	Ignition switch ON	11 to 14 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
VSCW (S3-36) - GND1, 2 (S3-32, 1)	BR-W - W-B	VSC warning light output	Ignition switch ON, VSC warning light ON	Below 2.0 V
			Ignition switch ON, VSC warning light OFF	11 to 14 V
WFSE (S3-42) - GND1, 2 (S3-32, 1)	R - W-B	WFSE input	Ignition switch ON	11 to 14 V
CSW (S3-43) - GND1, 2 (S3-32, 1)	W-L - W-B	TRAC OFF switch input	TRAC OFF switch OFF	11 to 14 V
BRL (S3-44) - GND1, 2 (S3-32, 1)	B-Y - W-B	Brake warning line output	Ignition switch ON, brake warning light ON	11 to 14 V
			Ignition switch ON, brake warning light OFF	Below 2.0 V
R+ (S3-45) - GND1, 2 (S3-32, 1)	R-W - W-B	Power supply for motor relay	Ignition switch ON, ABS warning light OFF	11 to 14 V
IG1 (S3-46) - GND1, 2 (S3-32, 1)	B-L - W-B	IG1 power supply	Ignition switch ON	11 to 14 V

If the result is not as specified, there may be a malfunction in the ECU.

DIAGNOSIS SYSTEM

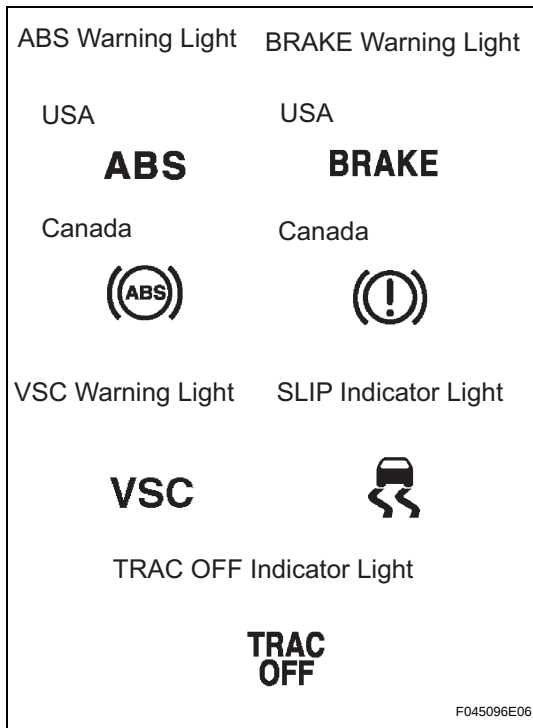
1. CHECK INDICATOR

- (a) Check the warning lights.
- (1) Release the parking brake lever.
 - (2) When the ignition switch ON, check that the ABS warning light, VSC warning light, TRAC OFF indicator light, brake warning light and SLIP indicator light illuminate for approximately 3 seconds.

HINT:

- When the parking brake is applied or brake fluid level is low, the brake warning light illuminates.
- If the indicator check result is not normal, proceed to troubleshooting for the ABS warning light, VSC warning light, TRAC OFF indicator light, brake warning light and SLIP indicator light circuit.

If the indicator remains on, proceed to troubleshooting for the light circuit below.



Trouble Area	See procedure
ABS warning light circuit	BC-73
VSC warning light circuit	BC-80
Brake warning light circuit	BC-84
TRAC OFF warning light circuit	BC-90
SLIP indicator light circuit	BC-94