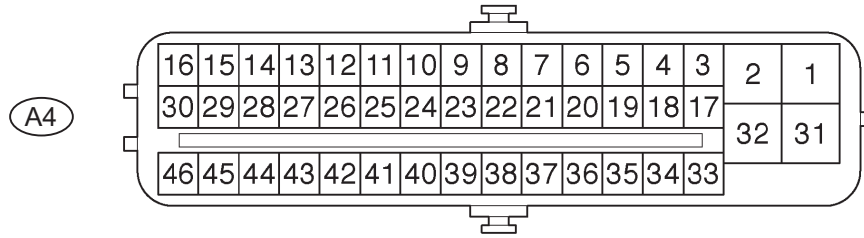


TERMINALS OF ECU

1. TERMINALS OF ECU

Skid control ECU:



N

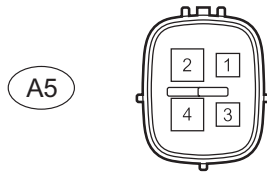
C110610E06

Symbols (Terminal No.)	Terminal Description
GND1 (1)	Skid control ECU ground
+BM1 (2)	Power supply for motor
FR+ (3)	Front right wheel speed sensor power supply output
FL- (4)	Front left wheel speed signal input
RR+ (5)	Rear right wheel speed sensor power supply output
RL- (6)	Rear left wheel speed signal input
STP (7)	Stop light switch input
NEO (10) (^1)	2WD/4WD change over switch input
CANH (11)	CAN communication line H
SP1 (12) (^2)	Speed signal output for combination meter
D/G (13)	Diagnosis tester communication line
P (14) (^2)	Shift position indicator P signal input
INFR (15) (^3)	AUTO LSD indicator light output
STPO (16)	Stop light operated relay output
FR- (17)	Front right wheel speed sensor input
FL+ (18)	Front left wheel speed sensor power supply output
RR- (19)	Rear right wheel speed sensor input
RL+ (20)	Rear left wheel speed sensor power supply output
EXI4 (21) (^4)	Transfer indicator switch (L4) input
TS (24)	Sensor test terminal (Sensor check switch) input
CANL (25)	CAN communication line L
EXI3 (26) (^5)	Rear differential lock position switch input
EXI (27) (^4)	Transfer indicator switch (A/T: 4WD position, M/T: center differential lock position) input
PKB (28)	Parking brake switch input
WA (29)	ABS warning light input
BZ (30)	Skid control buzzer output
+BS (31)	Power supply for solenoid
GND2 (32)	Skid control ECU ground
HDCW (33) (^6)	A-TRAC indicator light output
IND (34)	SLIP indicator light output
WT (35) (^7)	VSC OFF indicator light output
VSCW (36)	VSC TRAC warning light output
LBL (41)	Brake fluid level warning switch input
WFSE (42)	Write flash enable input
CSW (43) (^3)	AUTO LSD switch input

Symbols (Terminal No.)	Terminal Description
HDCS (44) (*6)	A-TRAC switch input
STP2 (45)	Stop light switch input
IG1 (46)	IG1 power supply

BC

Skid Control ECU:



H

C124763E03

Symbols (Terminal No.)	Terminal Description
IG2 (1)	IG2 power supply
+BM2 (2)	Power supply for motor
BRL (3)	BRAKE warning light output
GND3 (4)	Skid control ECU ground

- (*1): 4WD, A/T
- (*2): A/T
- (*3): with AUTO LSD
- (*4): 4WD
- (*5): with rear differential lock
- (*6): with A-TRAC
- (*7): 4WD or 2WD with rear differential lock

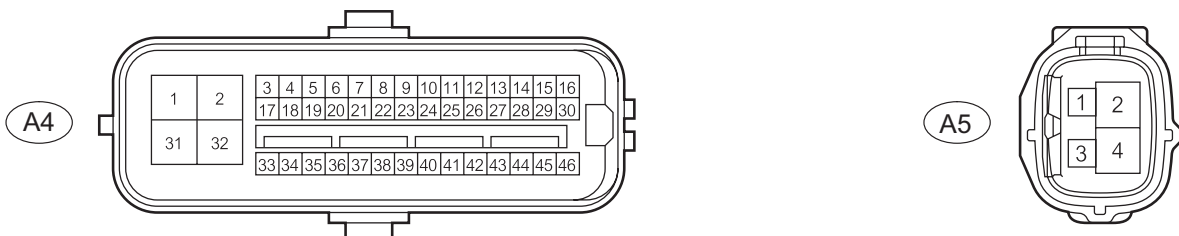
2. TERMINAL INSPECTION

Disconnect the connector and measure the voltage or resistance on the wire harness side.

HINT:

Voltage cannot be measured with the connector connected to the skid control ECU as the connector is water resistant.

Skid Control ECU (Wire Harness Side)
Connector Front View:



H

C124764E03

Standard

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+BM1 (A4-2) - GND1, GND2 (A4-1, 32)	L-Y - W-B	Power supply for motor from battery	Always	11 to 14 V
IG1 (A4-46) - GND1, GND2 (A4-1, 32)	B-R - W-B	IG1 power supply	IG switch OFF	Below 1 V
IG1 (A4-46) - GND1, GND2 (A4-1, 32)	B-R - W-B	IG1 power supply	IG switch ON	11 to 14 V
STP (A4-7) - GND1, GND2 (A4-1, 32)	G-B - W-B	Stop light switch input	Stop light switch OFF (Brake pedal released)	Below 1.5 V
STP (A4-7) - GND1, GND2 (A4-1, 32)	G-B - W-B	Stop light switch input	Stop light switch ON (Brake pedal released)	8 to 14 V
P (A4-14) - GND1, GND2 (A4-1, 32) (*1)	Y-B - W-B	Shift position indicator P signal input	IG switch ON, shift P position	8 to 14 V
P (A4-14) - GND1, GND2 (A4-1, 32) (*1)	Y-B - W-B	Shift position indicator P signal input	IG switch ON, any shift position except P	Below 1 V
EXI4 (A4-21) - GND1, GND2 (A4-1, 32) (*1) (*2)	W-L - W-B	Transfer indicator switch (L4) input	IG switch ON, transfer position L4	Below 1.5 V
EXI4 (A4-21) - GND1, GND2 (A4-1, 32) (*1) (*2)	W-L - W-B	Transfer indicator switch (L4) input	IG switch ON, transfer condition except L4	8 to 14 V
EXI3 (A4-26) - GND1, GND2 (A4-1, 32) (*3)	L-Y - W-B	Rear differential lock detection switch input	IG switch ON, rear differential lock switch ON	Below 1.5 V
EXI3 (A4-26) - GND1, GND2 (A4-1, 32) (*3)	L-Y - W-B	Rear differential lock detection switch input	IG switch ON, rear differential lock switch OFF	8 to 14 V
EXI (A4-27) - GND1, GND2 (A4-1, 32) (*2)	GR - W-B	Transfer indicator switch (A/T: 4WD position, M/T: center differential lock position) input	A/T: IG switch ON, transfer condition H4 or L4 M/T: IG switch ON, transfer condition HH or HL	8 to 14 V
EXI (A4-27) - GND1, GND2 (A4-1, 32) (*2)	GR - W-B	Transfer indicator switch (A/T: 4WD position, M/T: center differential lock position) input	A/T: IG switch ON, transfer condition H2 M/T: IG switch ON, transfer condition H	Below 1.5 V
PKB (A4-28) - GND1, GND2 (A4-1, 32)	W-R - W-B	Parking brake switch input	IG switch ON, parking brake switch ON	Below 1.5 V
PKB (A4-28) - GND1, GND2 (A4-1, 32)	W-R - W-B	Parking brake switch input	IG switch ON, parking brake switch OFF	11 to 14 V
+BS (A4-31) - GND1, GND2 (A4-1, 32)	Y - W-B	Power supply for solenoid from battery	Always	11 to 14 V
LBL (A4-41) - GND1, GND2 (A4-1, 32)	V-R - W-B	Brake fluid level warning switch input	Brake fluid level min. -5mm	Below 1 Ω
LBL (A4-41) - GND1, GND2 (A4-1, 32)	V-R - W-B	Brake fluid level warning switch input	Brake fluid level max.	1.9 k to 2.1 kΩ
CSW (A4-43) - GND1, GND2 (A4-1, 32) (*4)	R-L - W-B	AUTO LSD switch input	Ignition switch ON, AUTO LSD switch ON	Below 1.5 V
CSW (A4-43) - GND1, GND2 (A4-1, 32) (*4)	R-L - W-B	AUTO LSD switch input	Ignition switch ON, AUTO LSD switch OFF	8 to 14 V
HDCS (A4-44) - GND1, GND2 (A4-1, 32) (*5)	P-G - W-B	A-TRAC switch input	Ignition switch ON, A-TRAC switch ON	Below 1.5 V
HDCS (A4-44) - GND1, GND2 (A4-1, 32) (*5)	P-G - W-B	A-TRAC switch input	Ignition switch ON, A-TRAC switch OFF	8 to 14 V
STP2 (A4-45) - GND1, GND2 (A4-1, 32)	G-Y - W-B	Stop light switch input	Stop light switch OFF (Brake pedal released)	Below 1.5 V
STP2 (A4-45) - GND1, GND2 (A4-1, 32)	G-Y - W-B	Stop light switch input	Stop light switch ON (Brake pedal released)	8 to 14 V
IG2 (A5-1) - GND3 (A5-4)	B-O - W-B	IG2 power supply	IG switch OFF	Below 1 V
IG2 (A5-1) - GND3 (A5-4)	B-O - W-B	IG2 power supply	IG switch ON	11 to 14 V