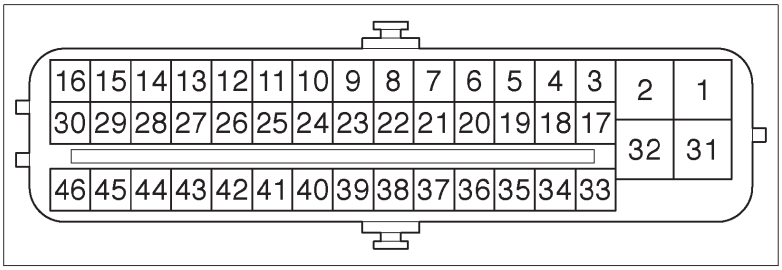
TERMINALS OF ECU

1. Terminal of ECU

Skid Control ECU:



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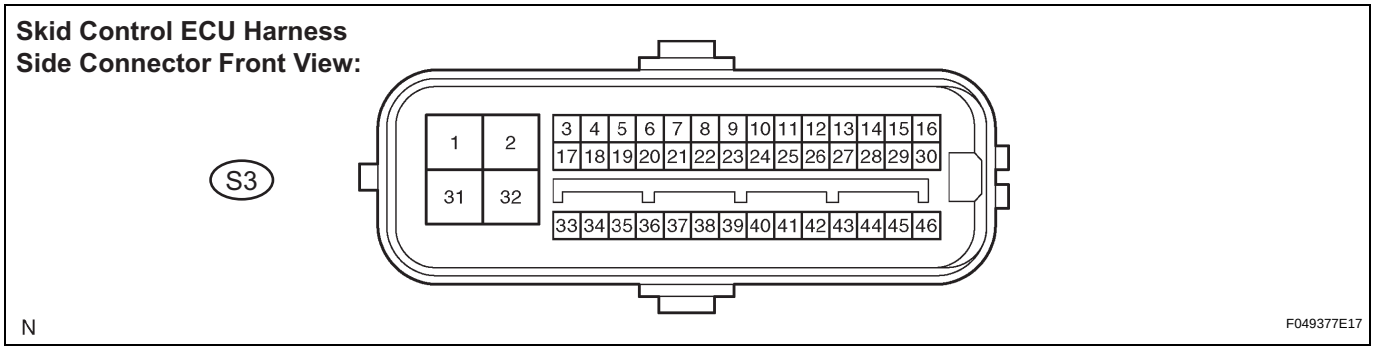
Symbols (Terminal No.)	Terminal Description
GND2 (1)	Pump motor ground
BM (2)	Motor relay input
FR+ (3)	Front wheel speed RH signal (+) input
FL- (4)	Front wheel speed LH signal (-) input
RR+ (5)	Rear wheel speed RH signal (+) input
RL- (6)	Rear wheel speed LH signal (-) input
CANH (11)	CAN communication line H
SP1 (12)	Speed signal output for combination meter
D/G (13)	Diagnosis tester communication line
MRF (14)	Fail safe motor relay output
MR (15)	Motor relay output
STPO (16) (*1)	Stop light control relay output
FR- (17)	Front wheel speed RH signal (-) input
FL+ (18)	Front wheel speed LH signal (+) input
RR- (19)	Rear wheel speed RH signal (-) input
RL+ (20)	Rear wheel speed LH signal (+) input
STP2 (21) (*1)	Stop light control relay input
TS (24)	Test mode (signal check) input
CANL (25)	CAN communication line L
STP1 (27)	Stop light switch input
PKB (28)	Parking brake switch input
WA (29)	ABS warning light output
BZ (30)	Skid control buzzer output
+BS (31)	Solenoid relay power supply
GND1 (32)	Skid control ECU ground
WFSE (42)	WFSE input
CSW (43) (*2)	Traction OFF switch input
BRL (44)	BRAKE warning light output
R+ (45)	Power supply for motor relay
IG1 (46)	IG1 power supply

(*1): Models with dynamic laser cruise control
(*2): 2WD model

2. Terminal Inspection

(a) 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 because the connector is watertight.

Standard

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
GND2 (S3-1) - Body ground	W-B - Body ground	Pump motor ground	Ignition switch off	Below 1 Ω
STP1 (S3-27) - Body ground	G-W - Body ground	Stop light switch input	Stop light switch ON → OFF (Brake pedal depressed → released)	8 to 14 V → Below 1.5 V
PKB (S3-28) - Body ground	R-L - Body ground	Parking brake switch input	Ignition switch ON, parking brake switch ON → OFF	Below 1 Ω → 10 kΩ or higher
BZ (S3-30) - Body ground	G-O - Body ground	Skid control buzzer output	Ignition switch ON, when buzzer not sounding	6 to 10 V
+BS (S3-31) - Body ground	W - Body ground	Solenoid relay power supply	Always	10 to 14 V
GND1 (S3-32) - Body ground	W-B - Body ground	Skid control ECU ground	Always	Below 1 Ω
CSW (S3-43) (*1) - Body ground	P-L - Body ground	Traction OFF switch input	Traction OFF switch held ON → OFF (Not pressed)	Below 1 Ω → 10 kΩ or higher
IG1 (S3-46) - Body ground	B-R - Body ground	IG1 power supply	Ignition switch ON	10 to 14 V

(*1): 2WD model