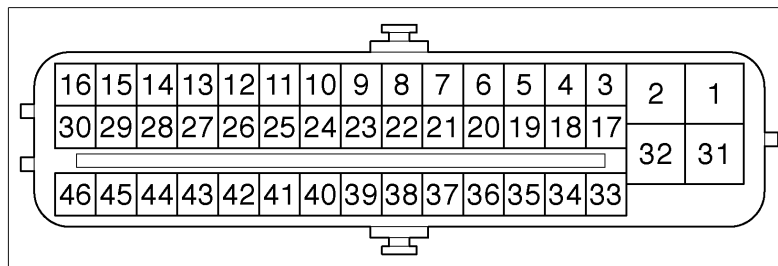


TERMINALS OF ECU

1. Terminals of ECU

Skid Control ECU



N

F45080

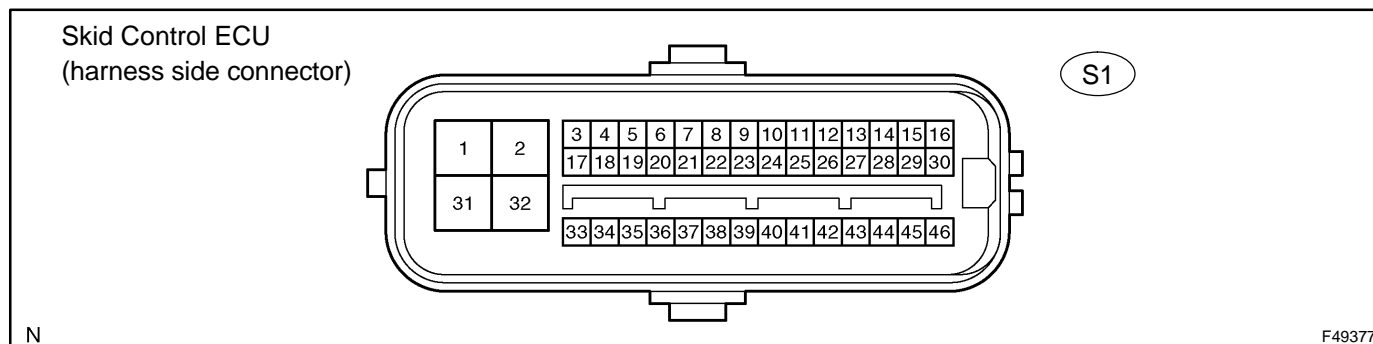
Symbols (Terminal No.)	Terminal Description
GND 2 (1)	Motor relay ground
BM (2)	Motor relay test input
FR+ (3)	Front RH wheel speed signal input
FL- (4)	Front LH wheel speed signal input
RR+ (5)	Rear RH wheel speed signal input
RL- (6)	Rear LH wheel speed signal input
TRC+ (8) (1MZ, 3MZ)	ECM communication output
ENG+ (9) (1MZ, 3MZ)	ECM communication input
NEO (10)	Engine revolution signal input
CANH (11)	CAN communication line
SP1 (12)	Speed signal output
D/G (13)	Diagnosis tester communication line
MRF (14)	Fail safe motor relay output
MR (15)	Motor relay output
FR- (17)	Front RH wheel speed signal input
FL+ (18)	Front LH wheel speed signal input
RR- (19)	Rear RH wheel speed signal input
RL+ (20)	Rear LH wheel speed signal input
TRC- (22) (1MZ, 3MZ)	ECM communication output
ENG- (23) (1MZ, 3MZ)	ECM communication input
TS (24)	Sensor check input
CANL (25)	CAN communication line
STP (27)	Stop light switch input
PKB (28)	Parking brake switch input
WA (29)	ABS warning light output
BZ (30)	Buzzer output
+BS (31)	Solenoid relay power supply
GND1 (32)	Skid control ECU ground
IND (34)	SLIP indicator lamp output
WT (35)	TRAC OFF indicator output
VSCW (36)	VSC warning light output
P (40)	P range switch input
WFSE (42)	WFSE input
CSW (43)	TRAC OFF switch input
BRL (44)	Brake warning light output
R+ (45)	Power supply for motor relay
IG1 (46)	IG1 power supply

2. Terminal Inspection

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

HINT:

Voltage can not be measured with the connector connected to the skid control ECU as the connector is water resistance.



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
BM (S1-2) – GND (S1-1, 32)	W-R – W-B, W-B	Motor relay test input	IG switch ON, pump motor running	10 to 14 V
TS (S1-24) – GND (S1-1, 32)	LG-B – W-B, W-B	Sensor check input	IG switch ON	10 to 14 V
STP (S1-27) – GND (S1-1, 32)	G-W – W-B, W-B	Stop light switch input	Stop light switch ON (Brake pedal pushed)	8 to 14 V
STP (S1-27) – GND (S1-1, 32)	G-W – W-B, W-B	Stop light switch input	Stop light switch OFF (Brake pedal released)	Below 1.5 V
PKB (S1-28) – GND (S1-1, 32)	R-W – W-B, W-B	Parking brake switch input	IG switch ON, parking brake switch ON	Below 1.5 V
PKB (S1-28) – GND (S1-1, 32)	R-W – W-B, W-B	Parking brake switch input	IG switch ON, parking brake switch OFF	10 to 14 V
+BS (S1-31) – GND (S1-1, 32)	W – W-B, W-B	Solenoid relay power supply	Always	10 to 14 V
WFSE (S1-42) – GND (S1-1, 32)	R – W-B, W-B	WFSE input	IG switch ON	10 to 14 V
CSW (S1-43) – GND (S1-1, 32)	LG – W-B, W-B	TRAC OFF switch input	TRAC OFF switch OFF	10 to 14 V
R+ (S1-45) – GND (S1-1, 32)	GR-R – W-B, W-B	Power supply for motor relay	IG switch ON	10 to 14 V
IG1 (S1-46) – GND (S1-1, 32)	B-R – W-B, W-B	IG1 power supply	IG switch ON	10 to 14 V