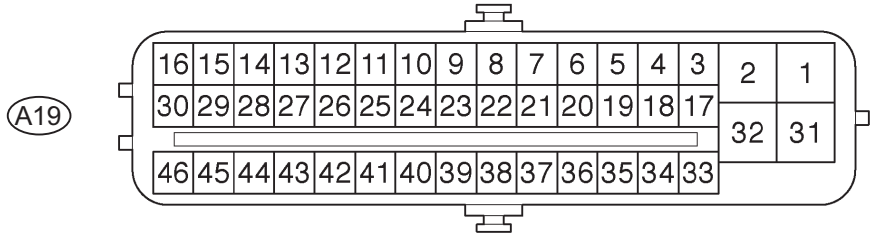
TERMINALS OF ECU

1. SKID CONTROL ECU

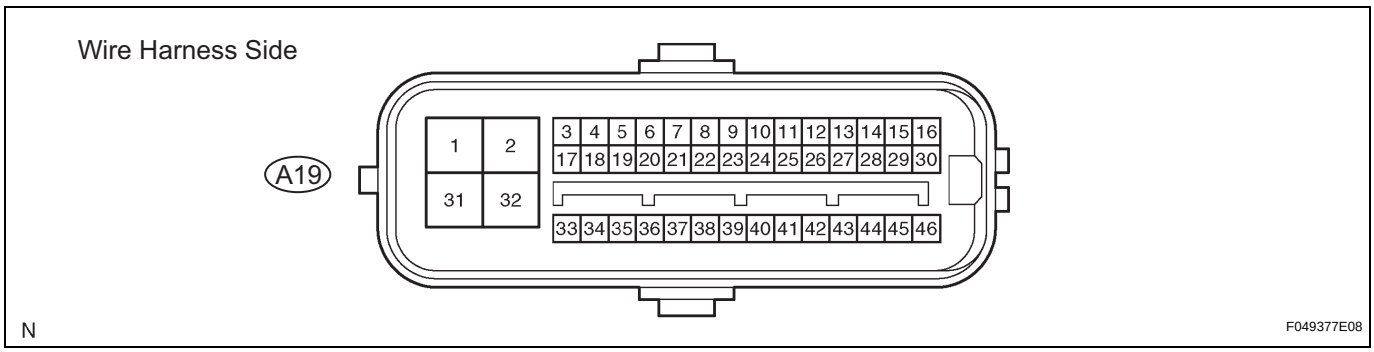


N C110610E04

Symbols (Terminal No.)	Terminal Description
GND2 (A19-1)	Motor ground
BM (A19-2)	Motor relay input
FR+ (A19-3)	Front RH wheel speed sensor power supply
FL- (A19-4)	Front LH wheel speed signal input
RR+ (A19-5)	Rear RH wheel speed signal power supply
RL- (A19-6)	Rear LH wheel speed signal input
FSW+ (A19-7)*1	Brake pedal load sensing switch input
CANH (A19-11)	CAN communication line H
SP1 (A19-12)	Speed signal output for combination meter
MRF (A19-14)	Fail safe motor relay output
MR (A19-15)	Motor relay output
STPO (A19-16)	Stop light relay output
FR- (A19-17)	Front RH wheel speed signal input
FL+ (A19-18)	Front LH wheel speed sensor power supply
RR- (A19-19)	Rear RH wheel speed signal input
RL+ (A19-20)	Rear LH wheel speed sensor power supply
STP2 (A19-21)	Stop light relay input
TS (A19-24)	Sensor diagnosis check input
CANL (A19-25)	CAN communication line L
STP1 (A19-27)	Stop light switch input
HDCS (A19-28)*2	Downhill assist control switch input
+BS (A19-31)	Solenoid valve power supply
GND1 (A19-32)	Skid control ECU ground
CSW (A19-43)*3	AUTO LSD switch input
R+ (A19-45)	Power supply for motor relay
IG1 (A19-46)	ECU power supply

HINT:
*1: w/ 16-inch disc
*2: w/ Downhill assist control
*3: for 2WD (w/ AUTO LSD)

2. CHECK SKID CONTROL ECU



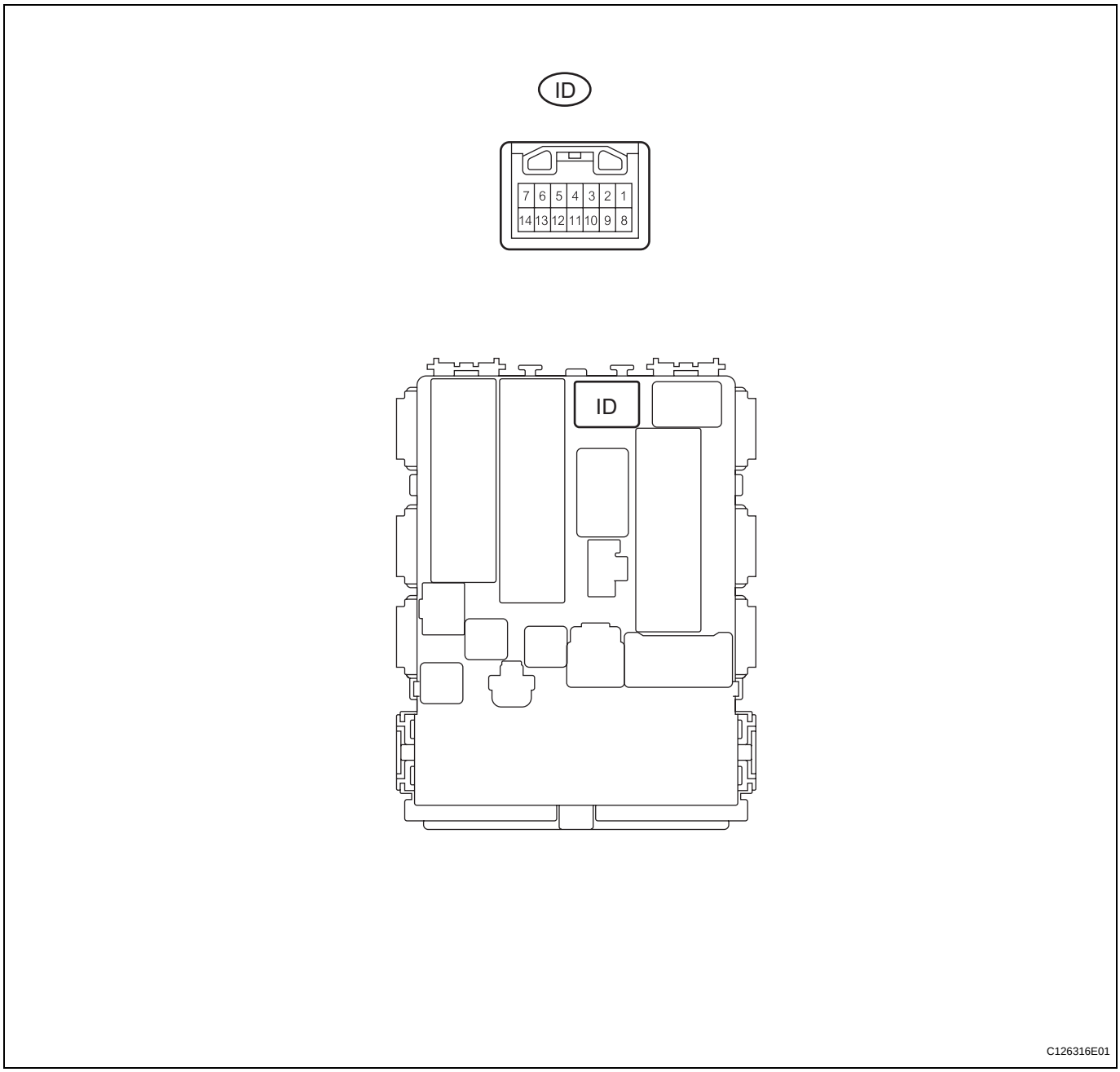
(a) Disconnect the A19 ECU connector.
(b) Measure the voltage and resistance of the wire harness side connector.
HINT:
The voltage cannot be measured with the connector connected to the skid control ECU as the connector is water resistant.

Skid control ECU:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
GND2 (A19-1) - Body ground	W-B - Body ground	Skid control ECU ground	Always	Below 1 Ω
STP1 (A19-27) - Body ground	L - Body ground	Stop light switch input	Stop light switch OFF Brake pedal released	Below 1.5 V
STP1 (A19-27) - Body ground	L - Body ground	Stop light switch input	Stop light switch ON Brake pedal depressed	8 to 16 V
STP2 (A19-21) - Body ground	L - Body ground	Stop light relay input	Stop light switch OFF Brake pedal released	Below 1.5 V
STP2 (A19-21) - Body ground	L - Body ground	Stop light relay input	Stop light switch ON Brake pedal depressed	8 to 16 V
STPO (A19-16) - Body ground	W - Body ground	Stop light relay output	Always	10 to 14 V
+BS (A19-31) - Body ground	W - Body ground	Solenoid relay power supply	Always	10 to 14 V
IG1 (A19-46) - Body ground	L - Body ground	ECU power supply	Ignition switch ON	10 to 14 V
HDCS (A19-28)*2	Y - Body ground	Downhill assist control switch input	Downhill assist control switch ON	Below 1 Ω
HDCS (A19-28)*2	Y - Body ground	Downhill assist control switch input	Downhill assist control switch OFF	10 kΩ or higher
FSW+ (A19-7)*1	P - Body ground	Brake pedal load sensing switch input	Brake pedal load sensing switch ON Brake pedal released	202.4 to 223.7 Ω
FSW+ (A19-7)*1	P - Body ground	Brake pedal load sensing switch input	Brake pedal load sensing switch OFF Brake pedal released	0,95 to 1.05 kΩ
CSW (A19-43)*3	L - Body ground	AUTO LSD switch input	AUTO LSD switch ON	Below 1 Ω
CSW (A19-43)*3	L - Body ground	AUTO LSD switch input	AUTO LSD switch OFF	10 kΩ or higher

HINT:
*1: w/ 16-inch disc
*2: w/ Downhill assist control
*3: for 2WD (w/ AUTO LSD)
If the result is not as specified, there may be a malfunction on the wire harness side.

3. CHECK INSTRUMENT PANEL JUNCTION BLOCK (MAIN BODY ECU)



(a) Disconnect the ID junction block connector.
(b) Measure the resistance of the wire harness side connector.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
PKB (ID-4) - Body ground	B - Body ground	Parking brake switch input	Parking brake switch ON	Below 1 Ω
PKB (ID-4) - Body ground	B - Body ground	Parking brake switch input	Parking brake switch OFF	10 kΩ or higher

If the result is not as specified, there may be a malfunction on the wire harness side.
(c) Reconnect the ID junction block connector.

(d) Measure the voltage of the wire harness side connector.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
PKB (ID-4) - Body ground	B - Body ground	Parking brake switch input	Parking brake switch ON	Below 1 V
PKB (ID-4) - Body ground	B - Body ground	Parking brake switch input	Parking brake switch OFF	10 to 14 V

If the result is not as specified, the junction block (ECU) may be a malfunction.