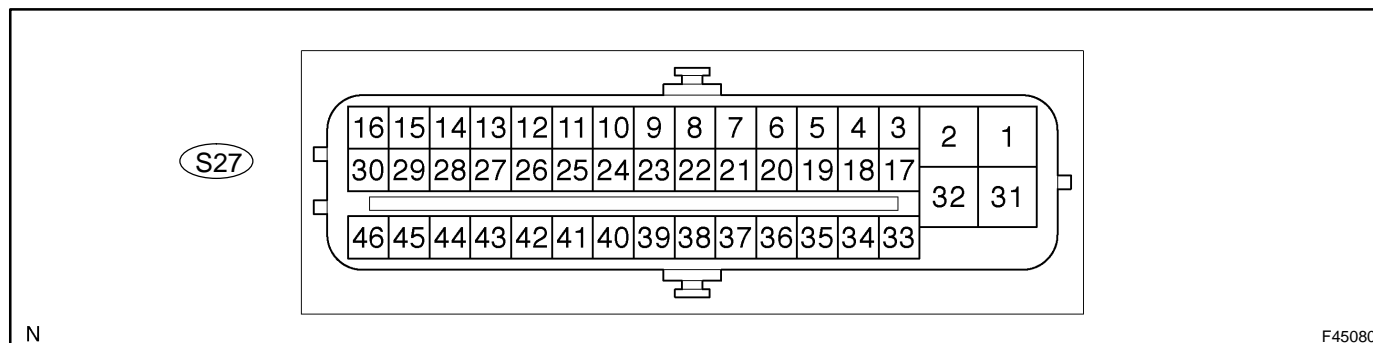


## TERMINALS OF ECU

### SKID CONTROL ECU



Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
BM (S27-2) - GND (Y1-1)	W-L - W-B	Motor relay test input	IG switch ON, pump motor running	10 to 14 V
FR+ (S27-3) - FR- (S27-17)	R-Y - LG	Front RH wheel speed signal input	IG switch ON, slowly turn right front wheel	AC generation
FSW+ (S27-7) - GND1 (S27-32)	G-W - W-B	FSW switch input	IG switch ON, brake pedal released	2 to 4 V
FL+ (S27-18) - FL- (S27-4)	O - P	Front LH wheel speed signal input	IG switch ON, slowly turn left front wheel	AC generation
RR+ (S27-5) - RR- (S27-19)	Y - BR	Rear RH wheel speed signal input	IG switch ON, slowly turn right rear wheel	AC generation
RL+ (S27-20) - RL- (S27-6)	Y-G - G	Rear LH wheel speed signal input	IG switch ON, slowly turn left rear wheel	AC generation
TRC+ (S27-8) - TRC- (S27-22)	G-B - Y-B	ECM communication output	IG switch ON	Pulse generation
ENG+ (S27-9) - ENG- (S27-23)	W-L - W-G	ECM communication input	IG switch ON	Pulse generation
NEO (S27-10) - GND1 (S27-32)	V - W-B	Engine rpm signal input	Engine idling	Pulse generation
CANH (S27-11) - CANL (S27-25)	B - W	CAN communication line	IG switch OFF	54 to 67 Ω
D/G (S27-13) - GND1 (S27-32)	GR-B - W-B	Diagnosis tester communication line	IG switch ON	10 to 14 V
SP1 (S27-12) - GND1 (S27-32)	BR-R - W-B	Speed signal output	Vehicle drives at about 20 km/h (12 mph)	Pulse generation
MRF (S27-14) - R+ (S27-45)	G-R - B-O	Fail safe motor relay output	IG switch ON	10 to 14 V
MR (S27-15) - R+ (S27-45)	LG - B-O	Motor relay output	IG switch ON, pump motor running	10 to 14 V
+BS (S27-31) - GND1 (S27-32)	B - W-B	Solenoid relay power supply	Always	10 to 14 V
TS (S27-24) - GND1 (S27-32)	P-B - W-B	Sensor check input	IG switch ON	10 to 14 V
STP (S27-27) - GND1 (S27-32)	G-Y - W-B	Stop light switch input	Stop light switch ON (Brake pedal pushed)	8 to 14 V
			Stop light switch OFF (Brake pedal released)	Below 1.5 V

## DIAGNOSTICS - ABS WITH EBD &amp; BA &amp; TRAC &amp; VSC SYSTEM

PKB (S27-28) - GND1 (S27-32)	R-W - W-B	Parking brake switch input	IG switch ON, parking brake switch ON	Below 1.5 V
			IG switch ON, parking brake switch OFF	10 to 14 V
WA (S27-29) - GND1 (S27-32)	R-L - W-B	ABS warning light output	IG switch ON, ABS warning light ON	6 to 11 V
			IG switch ON, ABS warning light OFF	Below 2.0 V
BZ (S27-30) - GND1 (S27-32)	BR-W - W-B	Buzzer output	IG switch ON, VSC buzzer sounds	Below 1.0 ↔ 10 to 14 V
			IG switch ON, VSC buzzer does not sound	10 to 14 V
VSCW (S27-36) - GND1 (S27-32)	L-Y - W-B	VSC warning light output	IG switch ON, VSC warning light ON	Below 2.0 V
CSW* (S27-43) - GND1 (S27-32)	L-R - W-B	TRAC OFF switch input	TRAC OFF switch OFF	10 to 14 V
BRL (S27-44) - GND1 (S27-32)	LG-B - W-B	Brake warning light output	IG switch ON, BRAKE warning light ON	6 to 11 V
			IG switch ON, BRAKE warning light OFF	Below 2.0 V
R+ (S27-45) - GND1 (S27-32)	B-O - W-B	Power supply for motor relay	IG switch ON	10 to 14 V
IG1 (S27-46) - GND1 (S27-32)	B-R - W-B	IG1 power supply	IG switch ON	10 to 14 V

\*: 2WD only