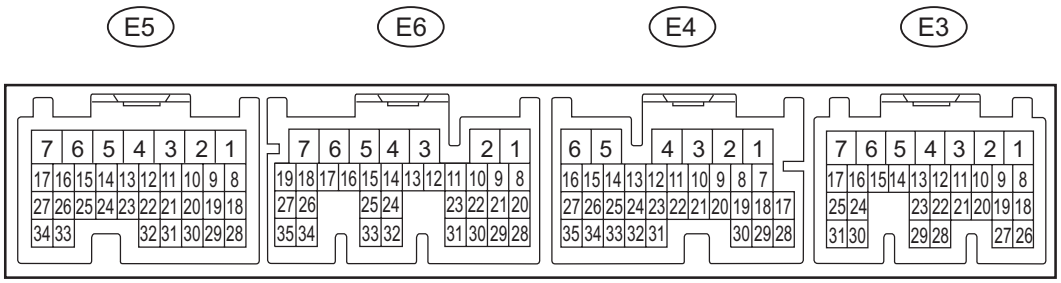
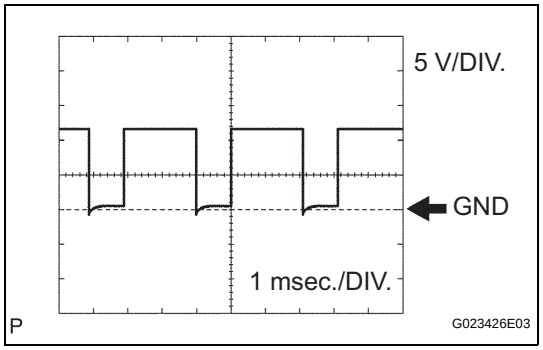
TERMINALS OF ECM



HINT:
Each ECM terminal's standard voltage is shown in the table below.
In the table, first follow the information under "Condition". Look under "Symbols (Terminal No.)" for the terminals to be inspected. The standard voltage between the terminals is shown under "Specified Condition".
Use the illustration above as a reference for the ECM terminals.

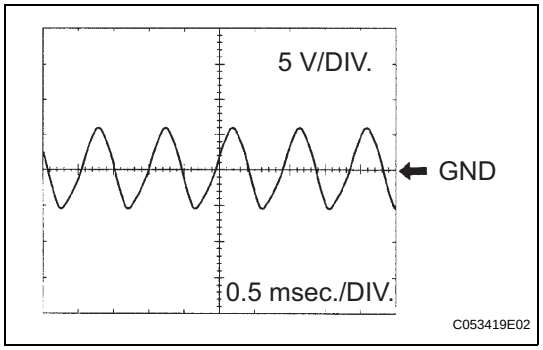
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
NSW (E3-30) - E1 (E5-3)	B - BR	Park/Neutral position switch signal	Ignition switch ON and shift lever on P or N	Below 2 V
NSW (E3-30) - E1 (E5-3)	B - BR	Park/Neutral position switch signal	Ignition switch ON and shift lever not on P or N	10 to 14 V
L (E4-9) - E1 (E5-3)	G-W - BR	L shift position switch signal	Ignition switch ON and shift lever on L	10 to 14 V
L (E4-9) - E1 (E5-3)	G-W - BR	L shift position switch signal	Ignition switch ON and shift lever not on L	Below 1 V
2 (E4-10) - E1 (E5-3)	G-R - BR	2 shift position switch signal	Ignition switch ON and shift lever on 2	10 to 14 V
2 (E4-10) - E1 (E5-3)	G-R - BR	2 shift position switch signal	Ignition switch ON and shift lever not on 2	Below 1 V
D (E4-21) - E1 (E5-3)	R-Y - BR	D shift position switch signal	Ignition switch ON and shift lever on D	10 to 14 V
D (E4-21) - E1 (E5-3)	R-Y - BR	D shift position switch signal	Ignition switch ON and shift lever not on D	Below 1 V
R (E4-11) - E1 (E5-3)	R-W - BR	R shift position switch signal	Ignition switch ON and shift lever on R	10 to 14 V
R (E4-11) - E1 (E5-3)	R-W - BR	R shift position switch signal	Ignition switch ON and shift lever not on R	Below 1 V
S1 (E6-9) - E1 (E5-3)	W-G - BR	S1 solenoid signal	Ignition switch ON	10 to 14 V
S1 (E6-9) - E1 (E5-3)	W-G - BR	S1 solenoid signal	1st or 2nd gear	10 to 14 V
S1 (E6-9) - E1 (E5-3)	W-G - BR	S1 solenoid signal	3rd or O/D gear	Below 1 V
S2 (E6-8) - E1 (E5-3)	W-R - BR	S2 solenoid signal	Ignition switch ON	Below 1 V
S2 (E6-8) - E1 (E5-3)	W-R - BR	S2 solenoid signal	1st or O/D gear	10 to 14 V
S2 (E6-8) - E1 (E5-3)	W-R - BR	S2 solenoid signal	2nd or 3rd gear	Below 1 V
ST (E6-19) - E1 (E5-3)	B-R - BR	ST solenoid signal	Ignition switch ON	Below 1 V
ST (E6-19) - E1 (E5-3)	B-R - BR	ST solenoid signal	Ignition switch ON and R gear	10 to 14 V
SL (E6-11) - E1 (E5-3)	G - BR	SL solenoid signal	Ignition switch ON	Below 1 V
SL (E6-11) - E1 (E5-3)	G - BR	SL solenoid signal	Vehicle driving under lock-up range	10 to 14 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
SLT+ (E6-12) - SLT- (E6-13)	W-L - W	SLT solenoid signal	Ignition switch ON	10 to 14 V (see waveform 1)
STP (E4-4) - E1 (E5-3)	G-W - BR	Stop light switch signal	Brake pedal is depressed	7.5 to 14 V
STP (E4-4) - E1 (E5-3)	G-W - BR	Stop light switch signal	Brake pedal is released	Below 1.5 V
SPD (E4-8) - E1 (E5-3)	V-W - BR	Speed signal	Ignition switch ON and rotate driving wheel slowly	Pulse generation
NT+ (E5-35) - NT- (E6-27)	R - B	Speed sensor (NT) signal	Engine is running	Below 1 V and 4 to 5 V (see waveform 2)
THO1 (E6-24) - E2 (E5-28)	Y-G - BR	ATF temperature sensor signal	ATF temperature: 115°C (329°F) or more	Below 1.5 V
ODLP (E4-14) - E1 (E5-3)	G-O - BR	O/D OFF indicator light circuit	Ignition switch ON and O/D OFF indicator light illuminates	Below 3 V
ODLP (E4-14) - E1 (E5-3)	G-O - BR	O/D OFF indicator light circuit	Ignition switch ON and O/D OFF indicator light goes off	10 to 14 V
ODMS (E4-6) - E1 (E5-3)	G-B - BR	O/D main switch signal	Ignition switch ON	10 to 14 V
ODMS (E4-6) - E1 (E5-3)	G-B - BR	O/D main switch signal	Ignition switch ON and continuously press O/D main switch	Below 1 V



1. Waveform 1 (Reference)

Item	Content
Symbols (Terminal No.)	SLT+ (E6-12) - SLT- (E6-13)
Tool Setting	5 V/DIV., 1 msec./DIV.
Condition	Engine idle speed



2. Waveform 2 (Reference)

Item	Content
Symbols (Terminal No.)	NT+ (E5-35) - NT- (E6-27)
Tool Setting	5 V/DIV., 0.5 msec./DIV.
Condition	Vehicle speed 20 km/h (12 mph)

AX