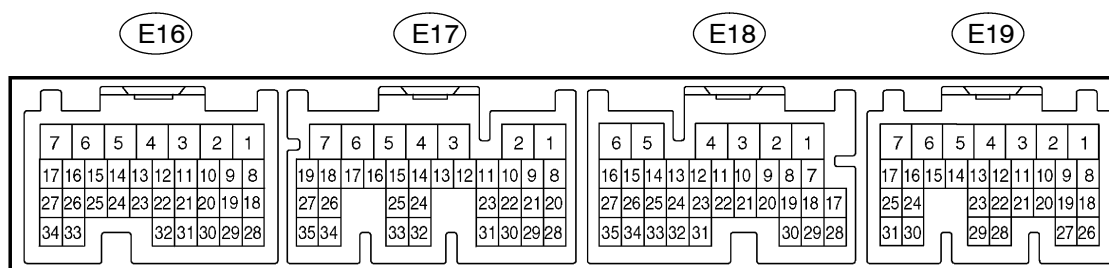


TERMINALS OF ECU

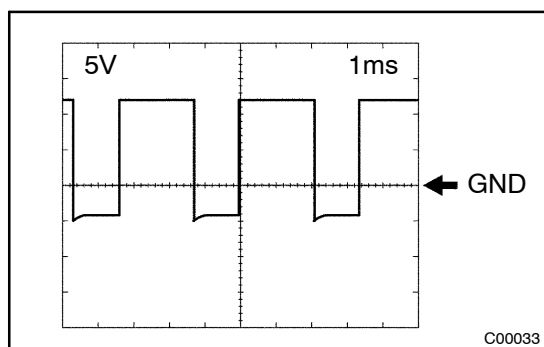


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Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
P (E18-7) – E1 (E16-1)	G-W – BR	IG switch ON and shift lever P range	10 – 14
		IG switch ON and shift lever other than P range	Below 1
N (E18-13) – E1 (E16-1)	G-R – BR	IG switch ON and shift lever N range	10 – 14
		IG switch ON and shift lever other than N range	Below 1
L4 (E19-16) – E1 (E16-1)	B-L ↔ BR	IG switch ON and Transfer shift lever L range	Below 1.5
		IG switch ON and Transfer shift lever other than L range	9 – 14
SNWI (E19-2) – E1 (E16-1)	L-R ↔ BR	IG switch ON	9 – 14
		IG switch ON and Press continuously 2nd start switch	Below 1
L (E18-8) – E1 (E16-1)	R-L ↔ BR	IG switch ON and shift lever L range	9 – 14
		IG switch ON and shift lever other than L range	Below 1.5
2 (E18-9) – E1 (E16-1)	G-B ↔ BR	IG switch ON and shift lever 2 and L range	9 – 14
		IG switch ON and shift lever other than 2 and L range	Below 1.5
D (E18-10) – E1 (E16-1)	G-Y ↔ BR	IG switch ON and shift lever D and 4 range	9 – 14
		IG switch ON and shift lever other than D and 4 range	Below 1.5
R (E18-11) – E1 (E16-1)	R-B ↔ BR	IG switch ON and shift lever R range	9 – 14
		IG switch ON and shift lever other than R range	Below 1.5
STP (E18-19) – E1 (E16-1)	G-W ↔ BR	Brake pedal is depressed	7.5 – 14
		Brake pedal is released	Below 1.5
3 (E18-20) – E1 (E16-1)	G ↔ BR	IG switch ON and shift lever 3 range	9 – 14
		IG switch ON and shift lever other than 3 range	Below 1.5
4 (E18-23) – E1 (E16-1)	G-R ↔ BR	IG switch ON and shift lever 4 range	9 – 14
		IG switch ON and shift lever other than 4 range	Below 1.5
PWR (E19-13) – E1 (E16-1)	L-W ↔ BR	IG switch ON and Pattern select switch "PWR" OFF	9 – 14
		IG switch ON and Pattern select switch "PWR" ON	Below 1
TFN (E19-14) – E1 (E16-1)	Y-G ↔ BR	IG switch ON and Transfer shift lever N range	Below 1.5
		IG switch ON and Transfer shift lever other than N range	9 – 14
SLU+ (E17-15) – SLU- (E17-14)	P-G ↔ B	Engine idle speed	Pulse generation 2 reference
S2 (E17-12) – E1 (E16-1)	W ↔ BR	IG switch ON	Below 1.5
		2nd or 3rd gear	9 – 14
		1st, 4th or 5th gear	Below 1.5
S1 (E17-13) – E1 (E16-1)	R ↔ BR	IG switch ON	9 – 14
		1st or 2nd gear	9 – 14
		3rd, 4th or 5th gear	Below 1.5

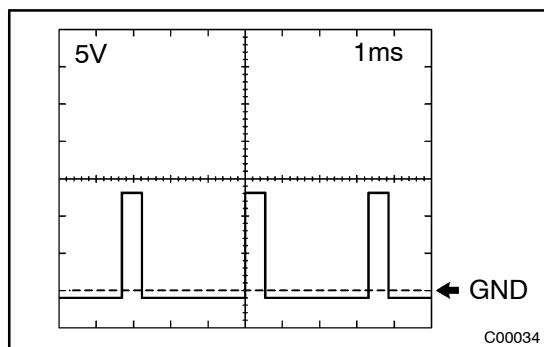
SLT+ (E16-17) – SLT- (E16-16)	G-W ↔ G-B	Engine is idling	Pulse generation 1 reference
SR (E17-11) – E1 (E6-1)	G ↔ BR	IG switch ON	Below 1.5
		5th gear	9 – 14
		1st gear	Below 1
SL2+ (E17-17) – SL2- (E17-16)	P-B ↔ P-L	Engine idle speed	Pulse generation 3 reference
SL1+ (E17-19) – SL1- (E17-18)	R-L ↔ R-W	Engine idle speed	Pulse generation 4 reference
OIL2 (E16-32) – E2 (E16-28)	L ↔ BR-W	ATF temperature: 115°C (239°F) or more	Below 1.5
SP2+ (E17-27) – SP2- (E17-35)	R ↔ G	Engine is running	Pulse generation 6 reference
NT+ (E17-26) – NT- (E17-34)	L ↔ W	Engine is idling	Pulse generation 5 reference
OIL (E16-30) – E2 (E16-28)	G-Y ↔ BR-W	ATF temperature: 115°C (239°F) or more	Below 1.5
NSW (E17-8) – E1 (E16-1)	B-W ↔ BR	IG switch ON and shift lever P and N range	Below 1.5
		IG switch ON and shift lever other than P and N range	9 – 14



Pulse generation 1

Reference:

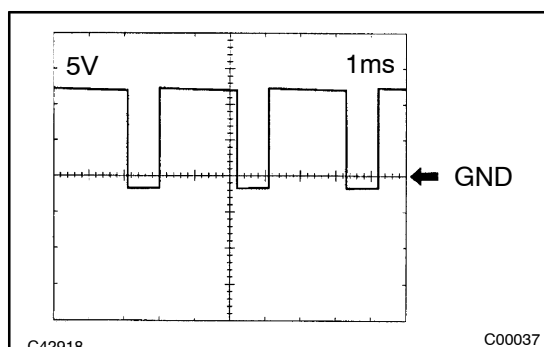
Item	Condition
Terminal	SLT+ – SLT-
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 2

Reference:

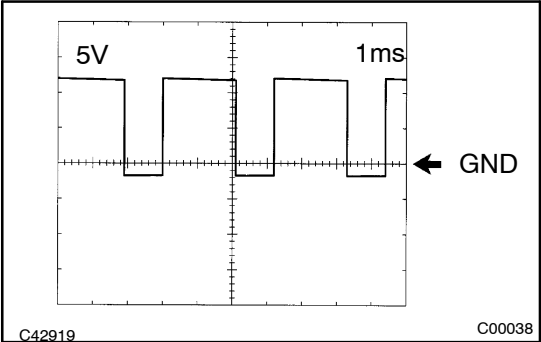
Item	Condition
Terminal	SLU+ – SLU-
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 3

Reference:

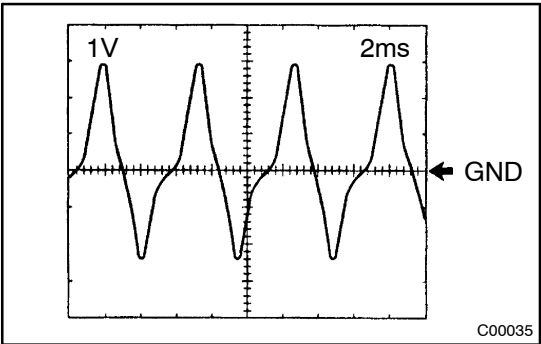
Item	Condition
Terminal	SL2+ – SL2-
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 4

Reference:

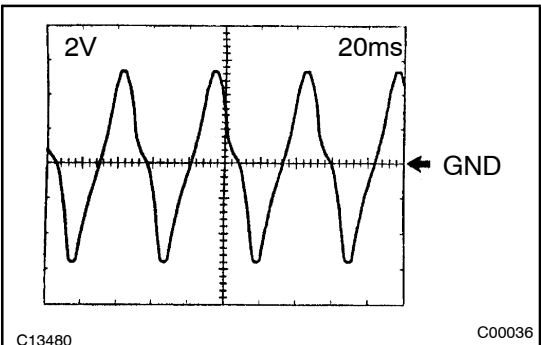
Item	Condition
Terminal	SL1+ – SL1–
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 5

Reference:

Item	Condition
Terminal	NT+ – NT–
Tool setting	1V/DIV, 2ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 6

Reference:

Item	Condition
Terminal	SP2+ – SP2–
Tool setting	2V/DIV, 20ms/DIV
Vehicle condition	Vehicle speed 20 km/h (12 mph)