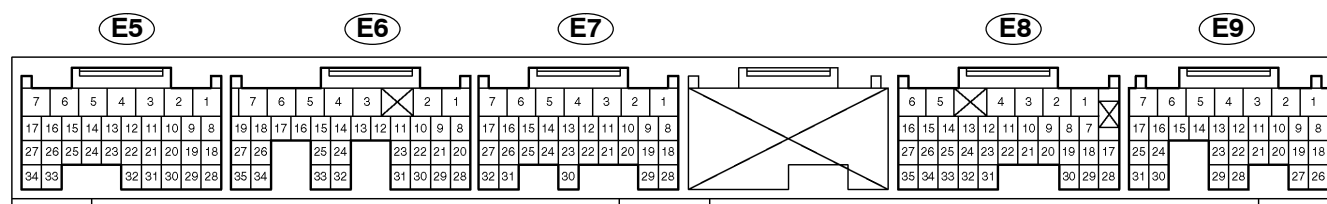


TERMINALS OF ECM

ECM Terminals

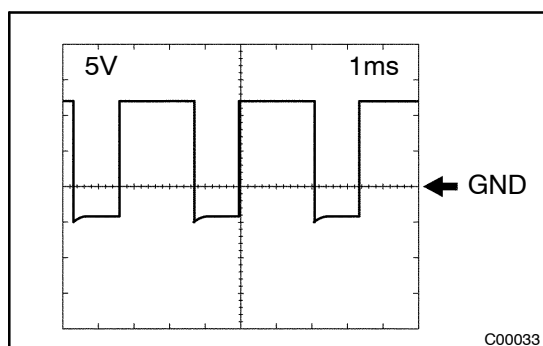


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Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
P (E9-6) – E1 (E7-1)	G-W – BR	IG switch ON and shift lever P position	10 – 14
		IG switch ON and shift lever other than P position	Below 1
N (E9-7) – E1 (E7-1)	G-R – BR	IG switch ON and shift lever N position	10 – 14
		IG switch ON and shift lever other than N position	Below 1
L4 (E8-4) – E1 (E7-1)	B-L ↔ BR	IG switch ON and Transfer shift lever L position	Below 1.5
		IG switch ON and Transfer shift lever other than L position	9 – 14
SNWI (E8-5) – E1 (E7-1)	L-R ↔ BR	IG switch ON	9 – 14
		IG switch ON and Press continuously 2nd start switch	Below 1
L (E8-8) – E1 (E7-1)	R-L ↔ BR	IG switch ON and shift lever L position	9 – 14
		IG switch ON and shift lever other than L position	Below 1.5
2 (E8-9) – E1 (E7-1)	G-B ↔ BR	IG switch ON and shift lever 2 and L position	9 – 14
		IG switch ON and shift lever other than 2 and L position	Below 1.5
D (E8-10) – E1 (E7-1)	G-Y ↔ BR	IG switch ON and shift lever D and 4 position	9 – 14
		IG switch ON and shift lever other than D and 4 position	Below 1.5
R (E8-11) – E1 (E7-1)	R-B ↔ BR	IG switch ON and shift lever R position	9 – 14
		IG switch ON and shift lever other than R position	Below 1.5
STP (E8-19) – E1 (E7-1)	G-W ↔ BR	Brake pedal is depressed	7.5 – 14
		Brake pedal is released	Below 1.5
3 (E8-20) – E1 (E7-1)	G ↔ BR	IG switch ON and shift lever 3 position	9 – 14
		IG switch ON and shift lever other than 3 position	Below 1.5
4 (E8-23) – E1 (E7-1)	G-R ↔ BR	IG switch ON and shift lever 4 position	9 – 14
		IG switch ON and shift lever other than 4 position	Below 1.5
PWR (E8-28) – E1 (E7-1)	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 (E7-11) – E1 (E7-1)	Y-G ↔ BR	IG switch ON and Transfer shift lever N position	Below 1.5
		IG switch ON and Transfer shift lever other than N position	9 – 14
SLU+ (E7-16) – SLU- (E7-15)	P-G ↔ B	Engine idle speed	Pulse generation 2 reference
S2 (E6-10) – E1 (E7-1)	W ↔ BR	IG switch ON	Below 1.5
		2nd or 3rd gear	9 – 14
		1st, 4th or 5th gear	Below 1.5
S1 (E6-11) – E1 (E7-1)	R ↔ BR	IG switch ON	9 – 14
		1st or 2nd gear	9 – 14
		3rd, 4th or 5th gear	Below 1.5

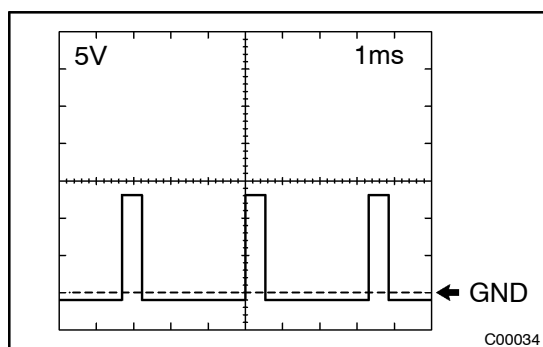
SLT+ (E6-13) – SLT- (E6-12)	G-W ↔ G-B	Engine is idling	Pulse generation 1 reference
SR (E6-15) – E1 (E7-1)	G ↔ BR	IG switch ON	Below 1.5
		5th gear	9 – 14
		1st gear	Below 1
SL2+ (E6-17) – SL2- (E6-16)	P-B ↔ P-L	Engine idle speed	Pulse generation 3 reference
SL1+ (E6-19) – SL1- (E6-18)	R-L ↔ R-W	Engine idle speed	Pulse generation 4 reference
THO2 (E6-24) – E2 (E5-28)	L ↔ BR-W	ATF temperature: 115°C (239°F) or more	Below 1.5
SP2+ (E6-26) – SP2- (E6-34)	R ↔ G	Engine is running	Pulse generation 6 reference
NT+ (E6-27) – NT- (E6-35)	L ↔ W	Engine is idling	Pulse generation 5 reference
THO1 (E6-32) – E2 (E5-28)	G-Y ↔ BR-W	ATF temperature: 115°C (239°F) or more	Below 1.5
NSW (E5-16) – E1 (E7-1)	B-W ↔ BR	IG switch ON and shift lever P and N position	Below 1.5
		IG switch ON and shift lever other than P and N position	9 – 14



Pulse generation 1

Reference:

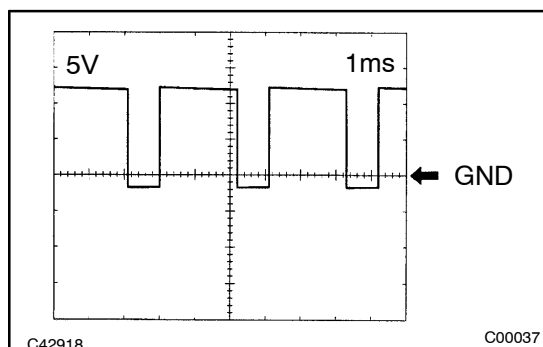
Item	Condition
Terminal	SLT+ – SLT-
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 2

Reference:

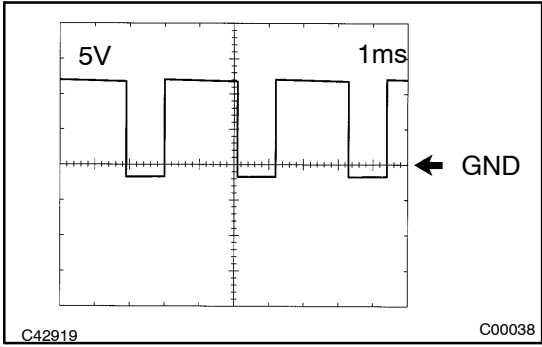
Item	Condition
Terminal	SLU+ – SLU-
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 3

Reference:

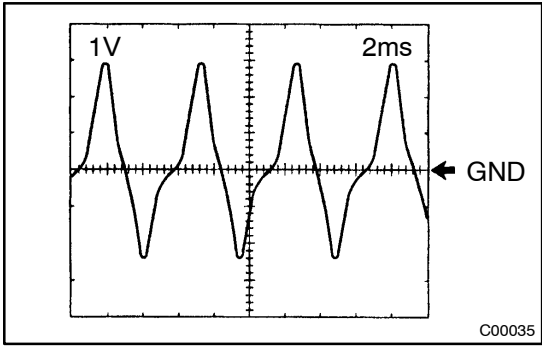
Item	Condition
Terminal	SL2+ – SL2-
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 4

Reference:

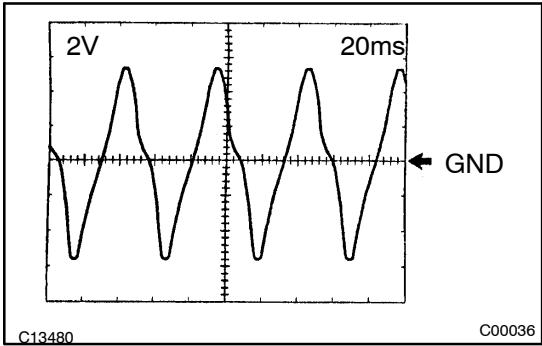
Item	Condition
Terminal	SL1+ – SL1–
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



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)