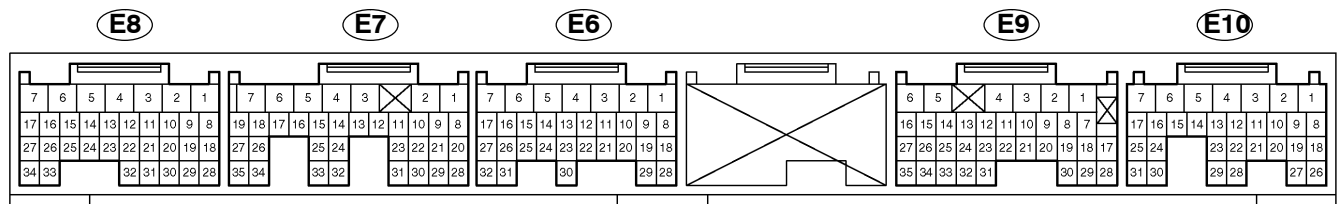


TERMINALS OF ECM

ECM Terminals



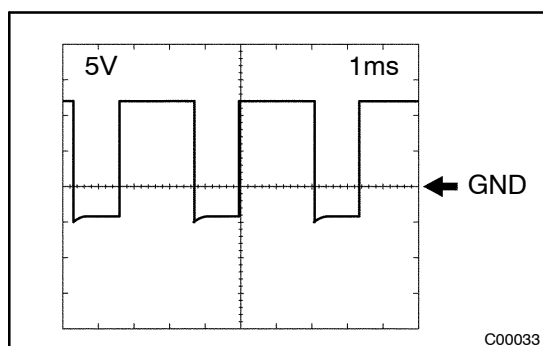
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Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
P (E10-6) – E1 (E6-1)	G-W – BR	IG switch ON and shift lever P position	10 to 14
		IG switch ON and shift lever other than P position	Below 1
N (E10-7) – E1 (E6-1)	G-R – BR	IG switch ON and shift lever N position	10 to 14
		IG switch ON and shift lever other than N position	Below 1
L4 (E9-4) – E1 (E6-1)	B-L – BR	IG switch ON and Transfer shift lever L position	9 to 14
		IG switch ON and Transfer shift lever other than L position	Below 1.5
SNWI (E9-5) – E1 (E6-1)	L-R – BR	IG switch ON	9 to 14
		IG switch ON and Press continuously 2nd start switch	Below 1
L (E9-8) – E1 (E6-1)	R-L – BR	IG switch ON and shift lever L position	9 to 14
		IG switch ON and shift lever other than L position	Below 1.5
2 (E9-9) – E1 (E6-1)	G-B – BR	IG switch ON and shift lever 2 and L position	9 to 14
		IG switch ON and shift lever other than 2 and L position	Below 1.5
D (E9-10) – E1 (E6-1)	G-Y – BR	IG switch ON and shift lever D and 4 position	9 to 14
		IG switch ON and shift lever other than D and 4 position	Below 1.5
R (E9-11) – E1 (E6-1)	R-B – BR	IG switch ON and shift lever R position	9 to 14
		IG switch ON and shift lever other than R position	Below 1.5
STP (E9-19) – E1 (E6-1)	G-W – BR	Brake pedal is depressed	7.5 to 14
		Brake pedal is released	Below 1.5
3 (E9-20) – E1 (E6-1)	G – BR	IG switch ON and shift lever 3 position	9 to 14
		IG switch ON and shift lever other than 3 position	Below 1.5
4 (E9-23) – E1 (E6-1)	G-R – BR	IG switch ON and shift lever 4 position	9 to 14
		IG switch ON and shift lever other than 4 position	Below 1.5
PWR (E9-28) – E1 (E6-1)	L-W – BR	IG switch ON and Pattern select switch "PWR" OFF	9 to 14
		IG switch ON and Pattern select switch "PWR" ON	Below 1
TFN (E6-11) – E1 (E6-1)	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 to 14
SLU+ (E6-16) – SLU- (E6-15)	P-G – B	Engine idle speed	Pulse generation 2 reference
S2 (E7-10) – E1 (E6-1)	W – BR	IG switch ON	Below 1.5
		2nd or 3rd gear	9 to 14
		1st, 4th or 5th gear	Below 1.5
S1 (E7-11) – E1 (E6-1)	R – BR	IG switch ON	9 to 14
		1st or 2nd gear	9 to 14
		3rd, 4th or 5th gear	Below 1.5

DIAGNOSTICS – AUTOMATIC TRANSMISSION

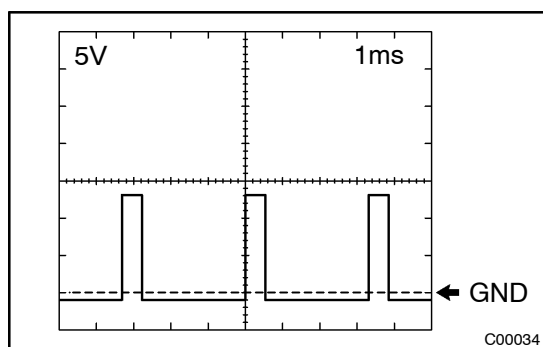
SLT+ (E7-13) – SLT- (E7-12)	G-W – G-B	Engine idle speed	Pulse generation 1 reference
SR (E7-15) – E1 (E6-1)	G – BR	IG switch ON	Below 1.5
		5th gear	9 to 14
		1st gear	Below 1
SL2+ (E7-17) – SL2- (E7-16)	P-B – P-L	Engine idle speed	Pulse generation 3 reference
SL1+ (E7-19) – SL1- (E7-18)	R-L – R-W	Engine idle speed	Pulse generation 4 reference
THO2 (E7-24) – E2 (E8-28)	L – BR-W	ATF temperature: 115°C (239°F) or more	Below 1.5
SP2+ (E7-26) – SP2- (E7-34)	R – G	Vehicle speed 20 km/h (12 mph)	Pulse generation 6 reference
NT+ (E7-27) – NT- (E7-35)	L – W	Engine idle speed	Pulse generation 5 reference
THO1 (E7-32) – E2 (E8-28)	G-Y – BR-W	ATF temperature: 115°C (239°F) or more	Below 1.5
NSW (E8-16) – E1 (E6-1)	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 to 14



Pulse generation 1

Reference:

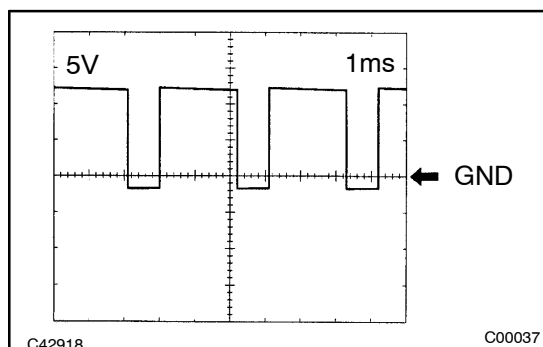
Item	Condition
Terminal	SLT+ – SLT-
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 2

Reference:

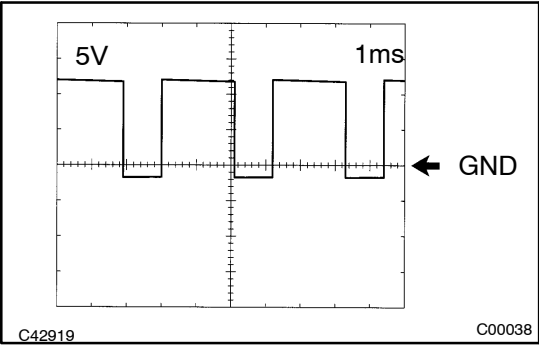
Item	Condition
Terminal	SLU+ – SLU-
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 3

Reference:

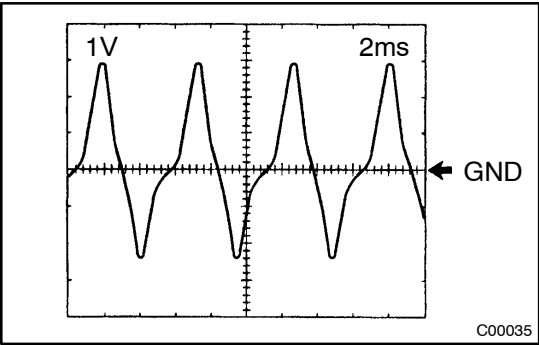
Item	Condition
Terminal	SL2+ – SL2-
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



Pulse generation 4

Reference:

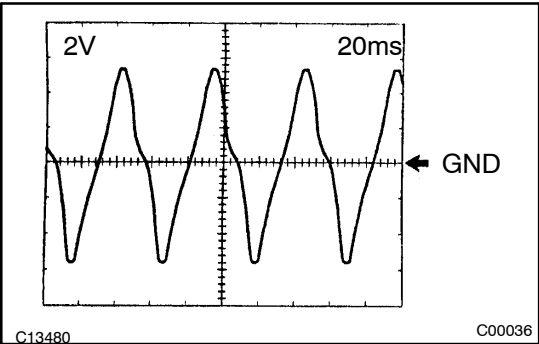
Item	Condition
Terminal	SL1+ – SL1–
Tool setting	5V/DIV, 1ms/DIV
Vehicle condition	Engine idle speed



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)