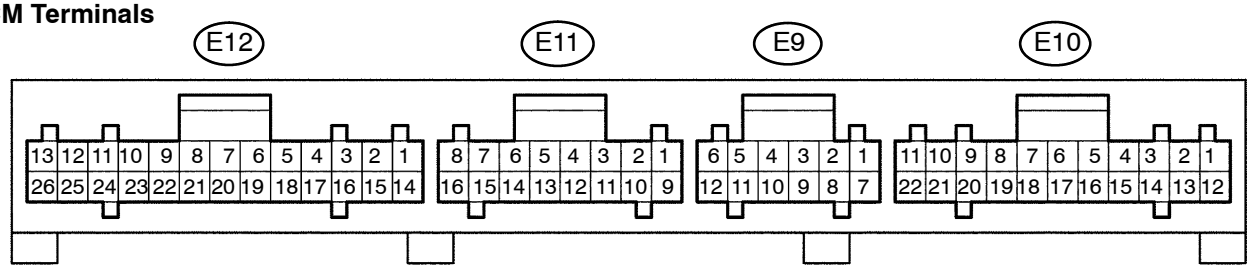
054T8–08

TERMINALS OF ECM

ECM Terminals



A02958

Symbols (Terminal No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E10 – 1) – E1 (E12 – 14)	L – BR	Always	9 – 14
SREL (E10 – 2) – E01 (E12 – 13)	R – W–B	Cranking	9 – 14
		Idling (engine start and after 600 sec.)	0 – 1.5
MREL (E10 – 3) – E1 (E12 – 14)	W–G – BR	IG switch ON	9 – 14
		IG switch OFF (after IG switch OFF for 2 sec.)	0 – 1.5
TC (E10 – 4) – E1 (E12 – 14)	P–L – BR	IG switch ON	9 – 14
W (E10 – 5) – E1 (E12 – 14)	R–B – BR	Check engine warning light lights up	0 – 3
		Except check engine warning light lights up	9 – 14
IMO (E10 – 6) – E1 (E12 – 14)	L–R – BR	A few sec. after engine staring	Pulse generation
THWO (E10 – 8) – E1 (E12 – 14)	P–B – BR	IG switch ON	Pulse generation
SP1 (E10 – 9) – E1 (E12 – 14)	V–R – BR	IG switch ON, Rotate driving wheel slowly	Pulse generation
STA (E10 – 11) – E1 (E12 – 14)	B–Y – BR	Cranking	6.0 or more
+B (E10 – 12) – E1 (E12 – 14)	B – BR	IG switch ON	9 – 14
IGSW (E10 – 14) – E1 (E12 – 14)	B–O – BR	IG switch ON	9 – 14
SIL (E10 – 15) – E1 (E12 – 14)	R–Y – BR	Connect hand–held tester to DLC3	Pulse generation
IMI (E10 – 17) – E1 (E12 – 14)	W–R – BR	Idling	Pulse generation
STP (E10 – 19) – E1 (E12 – 14)	G–Y – BR	Brake pedal depressed	9 – 14
		Brake pedal released	Below 1.5
GIND (E9 – 1) – E1 (E12 – 14)	Y–R – BR	Glow indicator light lights up	0 – 3
		Except glow indicator light lights up	9 – 14
AC1 (E9 – 2) – E1 (E12 – 14)	Y–R – BR	A/C switch ON (at magnet clutch ON)	Below 1.5
		A/C switch OFF	7.5 – 14
VPA (E9 – 5) – EPA (E9 – 4)	W–L – BR–W	IG switch ON, Accelerator pedal released	0.5 – 1.1
		IG switch ON, Accelerator pedal depressed	2.6 – 4.5
VCPA (E9 – 6) – EPA (E9 – 4)	LG–R – BR–W	IG switch ON	4.5 – 5.5
TAC (E9 – 7) – E1 (E12 – 14)	B–W – BR	Idling	Pulse generation
ACT (E9 – 8) – E1 (E12 – 14)	Y–G – BR	IG switch ON	9 – 14
		At A/C cut controlled (Driving below 30km/h, accelerator pedal fully depressed for 5 sec.)	0 ± 3
ST1– (E9 – 11) – E1 (E12 – 14)	R–L – BR	Brake pedal depressed	Below 1.5
		Brake pedal released	9 – 14

VPA2 (E9 – 12) – EPA (E9 – 4)	GR–G – BR–W	IG switch ON, Accelerator pedal released	1.2 – 2.0
		IG switch ON, Accelerator pedal depressed	3.4 – 5.3
VC (E11 – 1) – E2 (E11 – 9)	R–W – BR	IG switch ON	4.5 – 5.5
PIM (E11 – 2) – E2 (E11 – 9)	L–B – BR	Apply vacuum 60 kPa (450 mmHg, 17.7 in.Hg)	0.2 – 0.8
		Apply vacuum 207 kPa (1,550 mmHg, 61.0 in.Hg)	4.2 – 4.8
THA (E11 – 3) – E2 (E11 – 9)	B–L – BR	Idling, air intake temp. 0°C (32°F) to 80°C (176°F)	0.5 – 3.4
THW (E11 – 4) – E2 (E11 – 9)	R–L – BR	Idling, engine coolant temp. 60°C (140°F) to 120°C (248°F)	0.2 – 1.0
THF (E11 – 5) – E2 (E11 – 9)	G–B – BR	IG switch ON (at engine cold)	0.5 – 3.4
DATA (E11 – 6) – E1 (E12 – 14)	Y – BR	For 0.5 sec. after IG switch ON	Pulse generation
CLK (E11 – 14) – E2 (E11 – 9)	L – BR	For 0.5 sec. after IG switch ON	Pulse generation
THOP (E11 – 15) – E1 (E12 – 14)	GR – BR	Idling (engine warmed up)	9 – 14
		IG switch ON (once within 5 sec.)	0 – 3
LU–B (E12 – 7) – E01 (E12 – 13)	L–Y – W–B	Racing (engine warmed up)	Pulse generation (See page 05–221)
LU+B (E12 – 8) – E01 (E12 – 13)	L–R – W–B	Racing (engine warmed up)	Pulse generation (See page 05–221)
LU–A (E12 – 9) – E01 (E12 – 13)	L–W – W–B	Racing (engine warmed up)	Pulse generation (See page 05–221)
LU+A (E12 – 10) – E01 (E12 – 13)	L–B – W–B	Racing (engine warmed up)	Pulse generation (See page 05–221)
TCV (E12 – 11) – E01 (E12 – 13)	R–W – W–B	IG switch ON	9 – 14
		Idling	Pulse generation (See page 05–217)
SPV+ (E12 – 12) – E1 (E12 – 14)	R–L – BR	IG switch ON	9 – 14
		Idling	Pulse generation
TDC+ (E12 – 17) – TDC– (E12 – 16)	R – G	Idling	Pulse generation (See page 05–212)
NE+ (E12 – 19) – NE– (E12 – 18)	B – W	Idling	Pulse generation (See page 05–212)
SPV– (E12 – 25) – E1 (E12 – 14)	R–Y – BR	Idling	Pulse generation (See page 05–224)