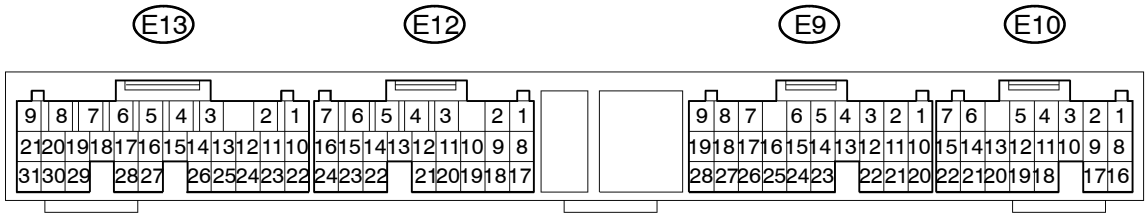
054T8–06

TERMINALS OF ECM

ECM Terminals



Y

A09639

Symbols (Terminal No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E10–2) – E1 (E13–22)	L – BR	Always	9 – 14
+B (E10–1) – E1 (E13–22)	B – BR	IG switch ON	9 – 14
VC (E12–21) – E2 (E12–20)	R–W – BR	IG switch ON	4.5 – 5.5
VCP (E9–8) – EPA (E9–27)	LG–R – BR–W	IG switch ON	4.5 – 5.5
VCP2 (E9–13) – EPA (E9–27)	BR–R – BR–W	IG switch ON	4.5 – 5.5
VPA (E9–19) – EPA (E9–27)	W–L – BR–W	Accelerator pedal released	0.5 – 1.1
VPA (E9–19) – EPA (E9–27)	W–L – BR–W	Accelerator pedal depressed	3.0 – 4.6
VPA2 (E9–28) – EPA2 (E9–24)	GR–G – BR–Y	Accelerator pedal released	0.9 – 2.3
VPA2 (E9–28) – EPA2 (E9–24)	GR–G – BR–Y	Accelerator pedal depressed	3.4 – 5.0
PCR (E12–23) – E2 (E12–20)	R–Y – BR	IG switch ON	1.0 – 4.0
THA (E12–13) – E2 (E12–20)	B–R – BR	Atmospheric temp	0.5 – 3.8
PIM (E12–16) – E2 (E12–20)	L–B – BR	Apply vacuum 40 kPa (300 mmHg, 11.8 in.Hg)	0.2 – 0.8
PIM (E12–16) – E2 (E12–20)	L–B – BR	Apply pressure 69 kPa (0.7 kgf/cm^2, 9.96 lb/in.^{2})	3.2 – 3.8
THIA (E12–22) – E2 (E12–20)	B–L – BR	Idling, air intake temp. 0°C (32°F) to 80°C (176°F)	0.5 – 3.4
THW (E12–14) – E2 (E12–20)	R–L – BR	Idling, engine coolant temp. 60°C (140°F) to 120°C (248°F)	0.2 – 1.0
THF (E12–24) – E2 (E12–20)	G–B – BR	IG switch ON (at engine cold)	0.5 – 3.8
VG (E12–19) – EVG (E12–11)	W–R – B–W	Idling, A/C switch OFF	0.5 – 3.0
IGSW (E10–9) – E1 (E13–22)	B–O – BR	IG switch ON	9 – 14
STA (E10–15) – E1 (E13–22)	B–Y – BR	Cranking	6.0 or more
NE+ (E13–17) – NE– (E13–28)	B – W	Idling	Pulse generation (See page 05–446)
G+ (E13–16) – G– (E13–27)	R – G	Idling	Pulse generation (See page 05–446)
SP1 (E9–22) – E1 (E13–22)	V–R – BR	IG switch ON, Rotate driving wheel slowly	Pulse generation (See page 05–512)
PA (E12–17) – E01 (E13–21)	B–L – W–B	VSV for atmospheric pressure leaning OFF	9 – 14
PA (E12–17) – E01 (E13–21)	B–L – W–B	VSV for atmospheric pressure leaning ON	0 – 3
STP (E9–14) – E2 (E12 – 20)	G–Y – BR	IG switch ON, Brake pedal depressed	7.5 – 14
STP (E9–14) – E2 (E12 – 20)	G–Y – BR	IG switch ON, Brake pedal released	Below 1.5
ST1– (E9–23) – E2 (E12 – 20)	R–L– BR	IG switch ON, Brake pedal depressed	Below 1.5
ST1– (E9–23) – E2 (E12 – 20)	R–L – BR	IG switch ON, Brake pedal released	7.5 – 14
#1 (E13–15) – E01 (E13–21)	B–W – W–B	Idling	Pulse generation (See page 05–531)

#2 (E13–14) – E01 (E13–21)	L – W–B	Idling	Pulse generation (See page 05–531)
#3 (E13–13) – E01 (E13–21)	R–L – W–B	Idling	Pulse generation (See page 05–531)
#4 (E13–12) – E01 (E13–21)	Y – W–B	Idling	Pulse generation (See page 05–531)
INJF (E13–18) – E01 (E13–21)	BR – W–B	Idling	Pulse generation (See page 05–531)
MREL (E10–7) – E01 (E13–21)	W–G – W–B	IG switch ON	9 – 14
AC1 (E9–6) – E1 (E13–22)	Y–R – BR	A/C switch ON (at idling)	0 – 1.5
AC1 (E9–6) – E1 (E13–22)	Y–R – BR	A/C switch OFF	9 – 14
TAC (E9–10) – E1 (E13–22)	B–W – BR	Idling	Pulse generation
SREL (E10–15) – E01 (E13–21)	R – BR	IG switch ON	9 – 14
W (E10–12) – E1 (E13–22)	R–B – BR	Check engine warning light lights up	0 – 3
W (E10–12) – E1 (E13–22)	R–B – BR	Except check engine warning light lights up	9 – 14
GIND (E10–3) – E1 (E13–22)	Y–R – BR	Glow indicator light lights up	0 – 3
GIND (E10–3) – E1 (E13–22)	Y–R – BR	Except glow indicator light lights up	9 – 14
ACT (E9–5) – E1 (E13–22)	Y–G – BR	Idling	9 – 14
ACT (E9–5) – E1 (E13–22)	Y–G – BR	At A/C cut controlled (Driving below 30 km/h, accelerator pedal fully opened for 5 sec.)	0 – 3
LU+A (E13–20) – E1 (E13–22)	L–B – BR	IG switch ON	Pulse generation (See page 05–451)
LU–A (E13–30) – E1 (E13–22)	L–W – BR	IG switch ON	Pulse generation (See page 05–451)
LU+B (E13–19) – E1 (E13–22)	L–R – BR	IG switch ON	Pulse generation (See page 05–451)
LU–B (E13–29) – E1 (E13–22)	L–Y – BR	IG switch ON	Pulse generation (See page 05–451)
TC (E10–18) – E1 (E13–22)	P–L – BR	IG switch ON	9 – 14
SIL (E10–19) – E1 (E13–22)	R–Y – BR	Connect hand–held tester to DLC3	Pulse generation
IMI (E10–14) – E1 (E13–22)	W–R – BR	Idling	Pulse generation
IMO (E10–21) – E1 (E13–22)	L–R – BR	A few sec. after engine staring	Pulse generation
RINJ1 (E13 –26) – E1 (E13–22)	G – BR	Idling	0.2 – 4.8
RINJ2 (E13 –25) – E1 (E13–22)	R – BR	Idling	0.2 – 4.8
RINJ3 (E13 –24) – E1 (E13–22)	W – BR	Idling	0.2 – 4.8
RINJ4 (E13 –23) – E1 (E13–22)	B–R – BR	Idling	0.2 – 4.8
EGR (E13–2) – E01 (E13–21)	G–B – W–B	IG switch ON	9 – 14
EGR (E13–2) – E01 (E13–21)	G–B – W–B	EGR ON (Maintain engine speed at 1,500 rpm after warning up)	Pulse generation (See page 05–543)
PCV1 (E13–9) – E1 (E13–22)	G–W – BR	Idling	Pulse generation (See page 05–526)
PCV2 (E13–8) – E1 (E13–22)	G–R – BR	Idling	Pulse generation (See page 05–526)

HSW (E9–25) – E1 (E13–22)	G–Y – BR	Heater idle up switch ON	0– 3.0
HSW (E9–25) – E1 (E13–22)	G–Y – BR	Heater idle up swithc OFF	9 – 14