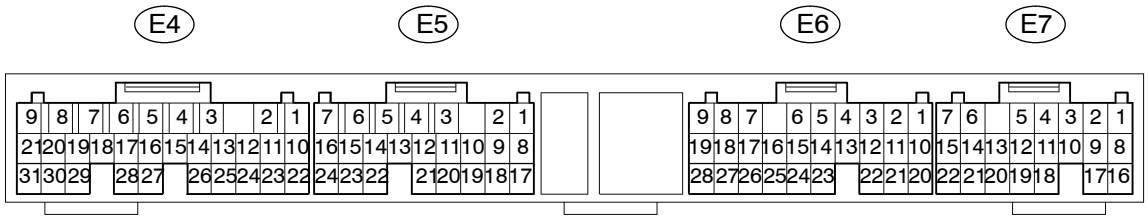
05BAM–01

TERMINALS OF ECM



Y A09639

Symbols (Terminal No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E7–2) ⇔ E1 (E4–22)	L–O ⇔ BR	Always	18 – 27
+B (E7–1) ⇔ E1 (E4–22)	B–R ⇔ BR	IG switch ON	18 – 27
VC (E5–21) ⇔ E2 (E5–20)	R–Y ⇔ BR	IG switch ON	4.5 – 5.5
VCC (E6–8) ⇔ E2C (E6–27)	B–O ⇔ BR–R	IG switch ON	4.5 – 5.5
VA (E6–19) ⇔ E2C (E6–27)	G–W ⇔ BR–R	Accelerator pedal fully closed	0.6 – 1.3
		Accelerator pedal fully opened	3.0 – 4.5
VAS (E6–28) ⇔ E2C (E6–27)	LG–B ⇔ BR–R	Accelerator pedal fully closed	0.6 – 1.3
		Accelerator pedal fully opened	3.0 – 4.5
IDL (E6–18) ⇔ E2C (E6–27)	R–W ⇔ BR–R	Accelerator pedal fully closed	13 – 18
		Accelerator pedal fully opened	0 – 3
PDL (E6–9) ⇔ E1 (E4–22)	G–O ⇔ BR	Accelerator pedal fully closed	13 – 18
		Accelerator pedal fully opened	0 – 3
PIM (E5–16) ⇔ E2 (E5–20)	L–R ⇔ BR	Apply vacuum 40 kPa (300 mmHg, 11.8 in.Hg)	1.0 – 1.8
		Apply vacuum 200 kPa	3.5 – 4.0
THA (E5–22) ⇔ E2 (E5–20)	LG–B ⇔ BR	Idling, Air intake temp. 0°C (32°F) to 60°C (140°F)	0.2 – 3.8
THW (E5–14) ⇔ E2 (E5–20)	R ⇔ BR	Idling, Engine coolant temp. 60°C (140°F) to 120°C (248°F)	0.1 – 1.5
THF (E5–24) ⇔ E2 (E5–20)	L–W ⇔ BR	IG switch ON (at engine cold)	0.5 – 3.8
IGSW (E7–9) ⇔ E1 (E4–22)	LG–B ⇔ BR	IG switch ON	18 – 27
STA (E6–6) ⇔ E1 (E4–22)	B–W ⇔ BR	Cranking	12.0 or more
TDC+ (E4–16) ⇔ TDC– (E4–27)	R ⇔ G	Idling	Pulse generation (See page 05–24)
NE+ (E4–17) ⇔ NE– (E4–28)	B ⇔ W	Idling	Pulse generation (See page 05–24)
SP1 (E6–22) ⇔ E1 (E4–22)	V–R ⇔ BR	IG switch ON, Rotate driving wheel slowly	Pulse generation
EGR (E4 – 4) ⇔ E01 (E4–21)	B–Y ⇔ BR	IG switch ON	18 – 27
		EGR ON	Pulse generation (See page 05–79)
PA (E4–3) ⇔ E01 (E4–21)	G ⇔ BR	VSV for atmospheric pressure leaning OFF	18 – 27
		VSV for atmospheric pressure leaning ON	0 – 3
MREL (E7–7) ⇔ E01 (E4–21)	GR–G ⇔ BR	IG switch ON	18 – 27
TCV (E4–5) ⇔ E01 (E4–21)	L–B ⇔ BR	IG switch ON	18 – 27
		Idling	Pulse generation (See page 05–27)
TAC (E6–2) ⇔ E1 (E4–22)	BR–Y ⇔ BR	Idling	Pulse generation
SREL (E7–16) ⇔ E01 (E4–21)	R–L ⇔ BR	IG switch ON	18 – 27
W (E7–12) ⇔ E01 (E4–21)	L–W ⇔ BR	Check engine warning light lights up	0 – 3
		Except check engine warning light lights up	18 – 27
GIND (E7–3) ⇔ E01 (E4–21)	P–L ⇔ BR	Glow indicator light lights up	0 – 3
		Except glow indicator light lights up	18 – 27

LU+A (E4–20) ⇔ E01 (E4–21)	Y–R ⇔ BR	IG switch ON	Pulse generation (See page 05–30)
LU–A (E4–30) ⇔ E01 (E4–21)	G–R ⇔ BR		
LU+B (E4–19) ⇔ E01 (E4–21)	Y ⇔ BR		
LU–B (E4–29) ⇔ E01 (E4–21)	W–G ⇔ BR		
TC (E7–18) ⇔ E1 (E4–22)	R ⇔ BR	IG switch ON	18 – 27
EGRC (E4–2) ⇔ E01 (E4–21)	W ⇔ BR	IG switch ON	0 – 3
		Maintain engine speed at 1500 rpm after warming up	18 – 27
SIL (E7–19) ⇔ E1 (E4–22)	W ⇔ BR	Connect hand–held tester to DLC3	Pulse generation