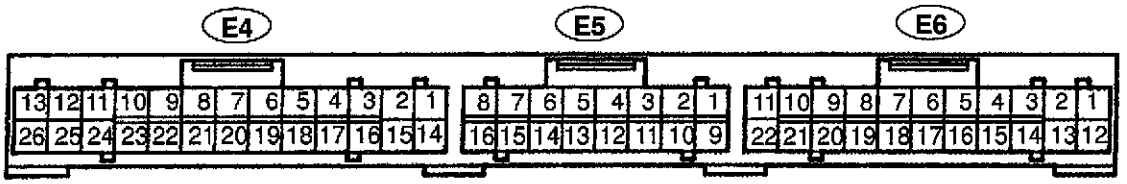
DI19-01

TERMINALS OF ECU

ECM Terminals



P19559

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E6 – 1) – E1 (E4 – 14)	Y ↔ BR	Always	9 ~ 14
+ B (E6 – 12) – E1 (E4 – 14)	R–L ↔ BR	IG switch ON	9 ~ 14
VC (E5 – 1) – E2 (E5 – 9)	G –Y ↔ LG–B	IG switch ON	4.5 ~ 5.5
VTA (E5 – 11) – E2 (E5 – 9)	Y ↔ LG–B	IG switch ON Throttle valve fully closed	0.3 ~ 1.0
		IG switch ON Throttle valve fully open	3.2 ~ 4.9
VG (E5 – 2) – E2 (E5 – 9)	P–L ↔ LG–B	Idling , "P" or "N" Position, A/C switch off	1.1 ~ 1.5
THA (E5 – 3) – E2 (E5 – 9)	Y–G ↔ LG–B	Idling, Intake air temp. 20°C (68° F)	0.5 ~ 3.4
THW (E5 – 4) – E2 (E5 – 9)	G–R ↔ LG–B	Idling, Engine coolant temp. 80°C (176°F)	0.2 ~ 1.0
STA (E6 – 11) – E1 (E4 – 14)	P–R (M/T) ↔ BR V–Y (A/T) ↔ BR	Cranking	6.0 or more
#10 (E4 – 12) – E01 (E4 – 13)	R–L ↔ BR	IG switch ON	9 ~ 14
		Idling	Pulse generation (See page DI–158)
#20 (E4 – 11) – E01 (E4 – 13)	L ↔ BR	IG switch ON	9 ~ 14
		Idling	Pulse generation (See page DI–158)
#30 (E4 – 25) – E01 (E4 – 13)	W ↔ BR	IG switch ON	9 ~ 14
		Idling	Pulse generation (See page DI–158)
#40 (E4 – 24) – E01 (E4 – 13)	R ↔ BR	IG switch ON	9 ~ 14
		Idling	Pulse generation (See page DI–158)
IGT1 (E4 – 20) – E1 (E4 – 14)	B – L ↔ BR	Idling	Pulse generation (See page DI–151)
IGT2 (E4 – 19) – E1 (E4 – 14)	L–W ↔ BR	Idling	Pulse generation (See page DI–151)
IGF (E4 – 16) – E1 (E4 – 14)	B–Y ↔ BR	IG switch ON	Below 2.0
		Idling	Pulse generation (See page DI–151)
SIL (E6 – 16) – E1(E4 – 14)	R ↔ BR	During transmission	Pulse generation (See Pub. No. RM585E)
TAC (E6 – 8) – E1 (E4 – 14)	R–W ↔ BR	Idling	Pulse generation (See Pub. No. RM585E)

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
G2⊕ (E4 – 5) – NE⊖ (E4 – 17)	B ↔ G	Idling	Pulse generation (See page DI–137)
NE⊕ (E4 – 4) – NE⊖ (E4 – 17)	R ↔ G	Idling	Pulse generation (See page DI–137)
FC (E6 – 14) – E1 (E4 – 14)	G–Y ↔ BR	IG switch ON	9 ~ 14
EVP (E4 – 8) – E1 (E4 – 14)	B–W ↔ BR	IG switch ON	9 ~ 14
RSC (E4 – 9) – E1 (E4 – 14)	W–L ↔ BR	IG switch ON (Disconnect E4 of ECU connecter)	9 ~ 14
RSO (E4 – 10) – E1 (E4 – 14)	B–R ↔ BR	IG switch ON (Disconnect E4 of ECU connecter)	9 ~ 14
OX1*1 (E5 – 6) – E1 (E4 – 14)	B ↔ BR	Maintain engine speed at 2,500 rpm for 2 min. after warning up	Pulse generation (See page DI–119)
OX2*1 (E5 – 5) – E1 (E4 – 14)	R ↔ BR	Maintain engine speed at 2,500 rpm for 2 min. after warning up	Pulse generation (See page DI–119)
HT1*1 (E5 – 8) – E1 (E4 – 14)	G–B ↔ BR	Idling	Below 3.0
		IG switch ON	9 ~ 14
HT2*1 (E4 – 14) – E1 (E4 – 14)	R–W ↔ BR	Idling	Below 3.0
		IG switch ON	9 ~ 14
KNK (E5 – 13) – E1 (E4 – 14)	GR ↔ BR	Idling	Pulse generation (See page DI–134)
NSW*2 (E4 – 1) – E1 (E4 – 14)	↔	IG switch ON (Other shift position in "P", "N" position)	9 ~ 14
		IG switch ON (Shift position in "P", "N" position)	0 ~ 3.0
SPD (E6 – 9) – E1 (E4 – 14)	G–O ↔ BR	IG switch ON (Rotate driving wheel slowly)	Pulse generation (See page DI–143)
TC (E6 – 15) – E1 (E4 – 14)	V ↔ BR	IG switch ON	9 ~ 14
W (E6 – 5) – E1 (E4 – 14)	V–G ↔ BR	Idling	Below 3.0
		IG switch ON	9 ~ 14

*1: 2RZ–FE only
*2: 3RZ–FE only