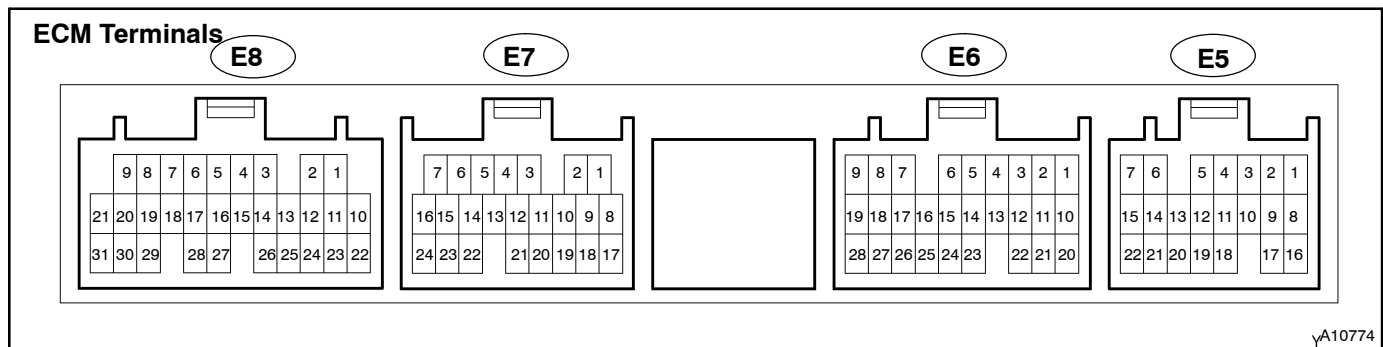


# TERMINALS OF ECM



yA10774

Symbols (Terminal No.)	Wiring Color	Condition	STD Voltage (V)
VG (E8-12) - E2G (E8-10)	G - B-W	Idling A/C switch OFF	1.1 - 1.5
THA (E8-13) - E2 (E8-11)	Y-G - L-B	Idling Intake air temp. 20°C (68°F)	0.5 - 3.4
THW (E8-18) - E2 (E8-11)	G-R - L-B	Idling Engine coolant temp. 80°C (176°F)	0.2 - 1.0
VC (E8-25) - E2 (E8-11)	G-Y - L-B	IG switch ON	4.5 - 5.5
VTA (E8-15) - E2 (E8-11)	Y - L-B	IG switch ON Throttle valve fully closed	0.3 - 1.0
		IG switch ON Throttle valve fully open	3.2 - 4.9
AF1+ (E8-14) - E1 (E7-17)	V - BR	Always (IG switch ON)	3.3 fixed* <sup>2</sup>
AF1- (E8-26) - E1 (E7-17)	P - BR	Always (IG switch ON)	3.0 fixed* <sup>2</sup>
OX2B (E8-27) - E1 (E7-17)	R - BR	Maintain engine speed at 2,500 rpm for 3 min. after warming up	Pulse generation (See page DI-201)
HTAF1 (E8-21) - E03 (E8-7)	W - W-B	Idling	Below 3.0
HT2B (E8-29) - E03 (E8-7)	R-W - W-B	IG switch ON	9 - 14
#10 (E7-6) - E01 (E8-4) #20 (E7-5) - E01 (E8-4) #30 (E7-4) - E01 (E8-4) #40 (E7-3) - E01 (E8-4) #50 (E7-1) - E01 (E8-4) #60 (E7-8) - E01 (E8-4)	W-R - W-B	IG switch ON	9 - 14
	B - W-B		
	R - W-B		
	L-R - W-B	Idling	Pulse generation (See page DI-210)
	W-L - W-B		
	L - W-B		
KNK1 (E8-23) - E1 (E7-17)	B - BR	Idling	Pulse generation (See page DI-215)
KNK2 (E8-22) - E1 (E7-17)	GR - BR		
G2 (E7-13) - NE- (E7-21)	R - G	Idling	Pulse generation (See page DI-218)
NE+ (E7-12) - NE- (E7-21)	L - G	Idling	Pulse generation (See page DI-218)
PTNK (E8-24) - E2 (E8-11)	R-Y - L-B	IG switch ON Remove fuel tank cap	3.3
EVP1 (E7-14) - E01 (E8-4)	W-G - W-B	IG switch ON	9 - 14
CCV (E7-19) - E01 (E8-4)	P-L - W-B	IG switch ON	9 - 14
TBP (E7-20) - E01 (E8-4)	G-B - W-B	IG switch ON	9 - 14
SP1 (E5-6) - E1 (E7-17)	G-O - BR	IG switch ON Rotate driving wheel slowly	Pulse generation
RSC (E7-24) - E01 (E8-4)	B-R - W-B	IG switch ON Disconnect E7 connector from ECM	9 - 14
RSO (E7-16) - E01 (E8-4)	L-B - W-B		
IGT1 (E7-11) - E1 (E7-17)	B-L - BR	Idling	Pulse generation (See page DI-270)
IGT2 (E7-10) - E1 (E7-17)	LG-R - BR		
IGT3 (E7-9) - E1 (E7-17)	B-W - BR		
IGF (E7-2) - E1 (E7-17)	B-Y - BR	IG switch ON	4.5 - 5.5
		Idling	Pulse generation (See page DI-270)

## DIAGNOSTICS - ENGINE (5VZ-FE)

STP (E5-20) - E1 (E7-17)	G-W - BR	IG switch ON	Brake pedal depressed	7.5 - 14
		IG switch ON	Brake pedal released	Below 1.5
BATT (E5-16) - E1 (E7-17)	B-Y - BR	Always		9 - 14
NSW (E6-3) - E1 (E7-17)*1	B-Y - BR	IG switch ON	Other shift position in P, N	9 - 14
		IG switch ON	Shift position in P, N	0 - 3.0
STA (E5-7) - E1 (E7-17)	B-W - BR	Cranking		6.0 or more
+B (E5-2) - E1 (E7-17)	W-R - BR	IG switch ON		9 - 14
IGSW (E5-15) - E1 (E7-17)	B-W - BR	IG switch ON		9 - 14
MREL (E5-4) - E1 (E7-17)	B-O - BR	IG switch ON		9 - 14
FC (E5-22) - E01 (E8-4)	W-L - W-B	IG switch ON		9 - 14
W (E5-2) - E1 (E7-17)	V-R - BR	IG switch ON		Below 3.0
PSW (E7-18) - E1 (E7-17)	B - BR	IG switch ON		9 - 14
ACT (E5-3) - E1 (E7-17)	L-B - BR	A/C switch OFF		Below 2.0
		A/C switch ON	at idling	9 - 14
AC1 (E5-9) - E1 (E7-17)	L-Y - BR	A/C switch ON		Below 2.0
		A/C switch OFF		9 - 14
SIL (E5-11) - E1 (E7-17)	W - BR	During transmission		Pulse generation

\*1: Only for A/T

\*2: The ECM terminal voltage is fixed regardless of the output voltage from the sensor.