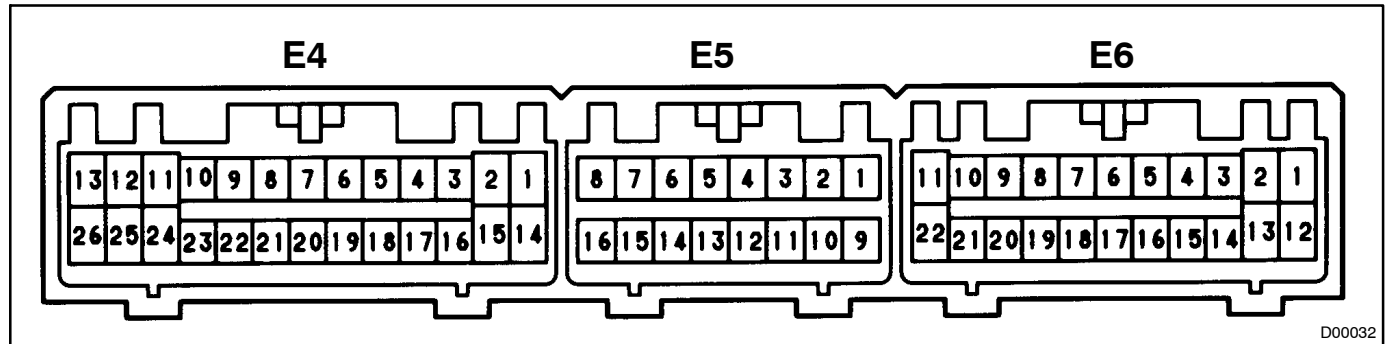


TERMINALS OF ECM

M/T and 3 A/T



D00032

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E6-1) - E1 (E4-14)	R-W - BR	Always	9 - 14
+B (E6-12) - E1 (E4-14)	B - BR	IG switch ON	9 - 14
VG (E5-2) - EVG (E5-10)	G - L-W	Idling, P or N position, A/C switch OFF	0.5 - 3.0
THA (E5-3) - E2 (E5-9)	Y-B - BR	Idling, Intake air temp. 20°C (68°F)	0.5 - 3.4
THW (E5-4) - E2 (E5-9)	W - BR	Idling, Engine coolant temp. 80°C (176°F)	0.2 - 1.0
VTA (E5-11) - E2 (E5-9)	LG - BR	IG switch ON, Throttle valve fully closed	0.3 - 1.0
		IG switch ON, Throttle valve fully open	3.2 - 4.9
VC (E5-1) - E2 (E5-9)	Y - BR	IG switch ON	4.5 - 5.5
OX1A (E5-6) - E1 (E4-14)	W - BR	Maintain engine speed at 2,500 rpm for 2 min. after warming up	Pulse generation
OX1B (E5-14) - E1 (E4-14)	R - BR	Maintain engine speed at 2,500 rpm for 2 min. after warming up	Pulse generation
HT1A (E5-7) - E03 (E5-8)	P - BR	IG switch ON	9 - 14
		Idling	Below 3.0
HT1B (E5-15) - E03 (E5-8)	P - BR	IG switch ON	9 - 14
		Idling	Below 3.0
#10 (E4-12) - E01 (E4-13)	Y - BR	IG switch ON	9 - 14
		Idling	Pulse generation (See page DI-64)
#20 (E4-11) - E01 (E4-13)	B-R - BR	IG switch ON	9 - 14
		Idling	Pulse generation (See page DI-64)
#30 (E4-25) - E01 (E4-13)	W - BR	IG switch ON	9 - 14
		Idling	Pulse generation (See page DI-64)
#40 (E4-24) - E01 (E4-13)	B - BR	IG switch ON	9 - 14
		Idling	Pulse generation (See page DI-64)
KNK1 (E4-18) - E1 (E4-14)	B - BR	Idling	Pulse generation (See page DI-70)
G2 (E5-12) - NE- (E5-13)	B - W	Idling	Pulse generation (See page DI-73)
NE+ (E5-5) - NE- (E5-13)	B - W	Idling	Pulse generation (See page DI-73)
Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
PTNK (E4-17) - E2 (E5-9)	L - BR	IG switch ON, Disconnect vacuum sensor from vapor pressure sensor	2.9 - 3.7
		Apply vacuum (less than 4.0 kPa, 30 mmHg, 1.18 in.Hg)	Below 0.5

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CCV (E4-5) - E01 (E4-13)	L-B - BR	IG switch ON	9 - 14
TPB (E4-4) - E01 (E4-13)	R - BR	IG switch ON	9 - 14
EVP1 (E4-7) - E01 (E4-13)	L-B - BR	IG switch ON	9 - 14
SPD (E6-9) - E1 (E4-14)	V-W - BR	IG switch ON, Rotate driving wheel slowly	Pulse generation (See page DI-107)
IGF (E4-3) - E1 (E4-14)	L-Y - BR	IG switch ON	4.5 - 5.5
		Idling	Pulse generation (See page DI-118)
IGT1 (E4-20) - E1 (E4-14)	R-L - BR	Idling	Pulse generation (See page DI-118)
IGT2 (E4-21) - E1 (E4-14)	Y-G - BR	Idling	Pulse generation (See page DI-118)
IGT3 (E4-22) - E1 (E4-14)	GR - BR	Idling	Pulse generation (See page DI-118)
IGT4 (E4-23) - E1 (E4-14)	W - BR	Idling	Pulse generation (See page DI-118)
OCV+ (E4-2) - OCV- (E4-1)	B - R	IG switch ON	Pulse generation (See page DI-138)
TE1 (E6-6) - E1 (E4-14)	L-W - BR	IG switch ON	9 - 14
W (E6-5) - E01 (E4-13)	R-Y - BR	IG switch ON	Below 3.0
		Idling	9 - 14
*3NSW (E4-19) - E1 (E4-14)	B-W - BR	IG switch ON, Shift position in "P" or "N" position	Below 3.0
		IG switch ON, Other shift position in "P" or "N" position	9 - 14
STA (E6-11) - E1 (E4-14)	B-W - BR	IG switch ON	Below 6.0
FC (E6-14) - E01 (E4-13)	G-R - BR	IG switch ON	9 - 14
		Idling	0 - 3
AC (E6-10) - E1 (E4-14)	Y-R - BR	A/C switch ON (at Idling)	Below 1.5
		A/C switch OFF	7.5 - 14
ACT (E6-21) - E1 (E4-14)	R-L - BR	A/C switch ON	9 - 14
		A/C switch OFF (at Idling)	Below 1.5
ELS (E6-2) - E1 (E4-14)	B - BR	Light switch ON	9 - 14
		Light switch OFF	Below 3.0
ELS2 (E6-3) - E1 (E4-14)	G - BR	Defogger switch ON	9 - 14
		Defogger switch OFF	Below 3.0
TACH (E6-13) - E1 (E4-14)	B - BR	Idling	Pulse generation
SIL (E6-17) - E1 (E4-14)	W - BR	During transmission	Pulse generation

*1: NUMMI made

*2: TMMC made

*3: Only for A/T models.

4A/T

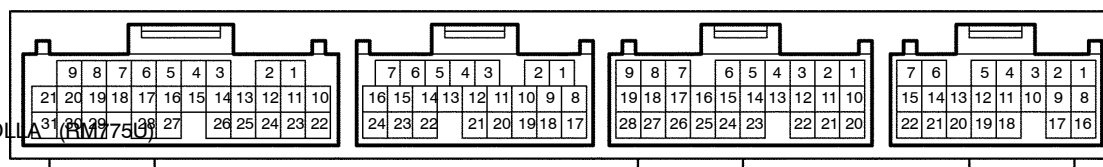
E7

E8

E9

E10

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Date :

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Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E10-1) – E1 (E8-17)	R-W – BR	Always	9 – 14
+B (E10-16) – E1 (E8-17)	B – BR	IG switch ON	9 – 14
VG (E8-11) – EVG (E8-1)	G – L-W	Idling, P or N position, A/C switch OFF	0.5 – 3.0
THA (E8-22) – E2 (E8-18)	Y-B – BR	Idling, Intake air temp. 20°C (68°F)	0.5 – 3.4
THW (E8-14) – E2 (E8-18)	W – BR	Idling, Engine coolant temp. 80°C (176°F)	0.2 – 1.0
VTA (E8-23) – E2 (E8-18)	LG – BR	IG switch ON, Throttle valve fully closed	0.3 – 1.0
		IG switch ON, Throttle valve fully open	3.2 – 9.4
VC (E8-2) – E2 (E8-18)	Y – BR	IG switch ON	4.5 – 5.5
OX1A (E8-12) – E1 (E8-17)	W – BR	Maintain engine speed at 2,500 rpm for 2 min. after warming up	Pulse generation
OX1B (E8-20) – E1 (E8-17)	R – BR	Maintain engine speed at 2,500 rpm for 2 min. after warming up	Pulse generation
HT1A (E8-3) – E03 (E8-8)	P – BR	IG switch ON	9 – 14
		Idling	Below 3.0
HT1B (E8-6) – E03 (E8-8)	P – BR	IG switch ON	9 – 14
		Idling	Below 3.0
#10 (E7-1) – E01 (E7-21)	Y – BR	IG switch ON	9 – 14
		Idling	Pulse generation (See page DI-64)
#20 (E7-2) – E01 (E7-21)	B-R – BR	IG switch ON	9 – 14
		Idling	Pulse generation (See page DI-64)
#30 (E7-3) – E01 (E7-21)	W – BR	IG switch ON	9 – 14
		Idling	Pulse generation (See page DI-64)
#40 (E7-4) – E01 (E7-21)	B – BR	IG switch ON	9 – 14
		Idling	Pulse generation (See page DI-64)
KNK1 (E7-27) – E1 (E8-17)	B – BR	Idling	Pulse generation (See page DI-70)
G2 (E8-15) – NE- (E8-24)	B – W	Idling	Pulse generation (See page DI-73)
NE+ (E8-16) – NE- (E8-24)	B – W	Idling	Pulse generation (See page DI-73)
PTNK (E8-9) – E2 (E8-18)	L – BR	IG switch ON, Disconnect vacuum hose from vapor pressure sensor	2.9 – 3.7
		Apply vacuum (less than 4.0 kPa, 30 mmHg, 1.18 in.Hg)	Below 0.5
CCV (E7-17) – E01 (E7-21)	L-B – BR	IG switch ON	9 – 14
TPB (E7-22) – E01 (E7-21)	R – BR	IG switch ON	9 – 14
EVP1 (E8-4) – E01 (E7-21)	L-B – BR	IG switch ON	9 – 14
SPD (E9-22) – E1 (E8-17)	V-W – BR	IG switch ON, Rotate driving wheel slowly	Pulse generation (See page DI-107)

IGF (E7-25) – E1 (E8-17)	L-Y – BR	IG switch ON	9 – 14
		Idling	Pulse generation (See page DI-118)
IGT1 (E7-10) – E1 (E8-17)	R-L – BR	Idling	Pulse generation (See page DI-118)
IGT2 (E7-11) – E1 (E8-17)	Y-G – BR	Idling	Pulse generation (See page DI-118)
IGT3 (E7-12) – E1 (E8-17)	GR – BR	Idling	Pulse generation (See page DI-118)
IGT4 (E7-13) – E1 (E8-17)	W – BR	Idling	Pulse generation (See page DI-118)
OCV+ (E7-24) – OCV- (E7-23)	B – R	IG switch ON	Pulse generation (See page DI-138)
STP (E9-6) – E1 (E8-17)	G-W – BR	IG switch ON, Brake pedal depress	7.5 – 14
		IG switch ON, Brake pedal released	Below 1.5
TE1 (E9-5) – E1 (E8-17)	L-W – BR	IG switch ON	9 – 14
W (E10-15) – E01 (E7-21)	R-Y – BR	IG switch ON	Below 3.0
		Idling	9 – 14
NSW (E9-13) – E1 (E8-17)	B-W – BR	IG switch ON, Shift position in "P" or "N" position	Below 3.0
		IG switch ON, Other shift position in "P" or "N" position	9 – 14
STA (E9-11) – E1 (E8-17)	B-W – BR	IG switch ON	Below 6.0
FC (E10-3) – E01 (E7-21)	G-R – BR	IG switch ON	9 – 14
		Idling	0 – 3
AC (E10-18) – E1 (E8-17)	Y-R – BR	A/C switch ON (at idling)	Below 1.5
		A/C switch OFF	7.5 – 14
ACT (E10-12) – E1 (E8-17)	R-L – BR	A/C switch ON	9 – 14
		A/C switch OFF (at idling)	Below 1.5
ELS (E9-10) – E1 (E8-17)	B – BR	Light switch ON	9 – 14
		Light switch OFF	Below 3.0
ELS2 (E9-20) – E1 (E8-17)	G – BR	Defogger switch ON	9 – 14
		Defogger switch OFF	Below 3.0
ODMS (E9-4) – E01 (E7-21)	LG – BR	IG switch ON	9 – 14
ODLP (E9-19) – E01 (E7-21)	LG-B – BR	IG switch ON	9 – 14
TACH (E9-27) – E1 (E8-17)	B – BR	Idling	Pulse generation
SIL (E10-11) – E1 (E8-17)	W – BR	During transmission	Pulse generation

*1: NUMMI made

*2: TMMC made