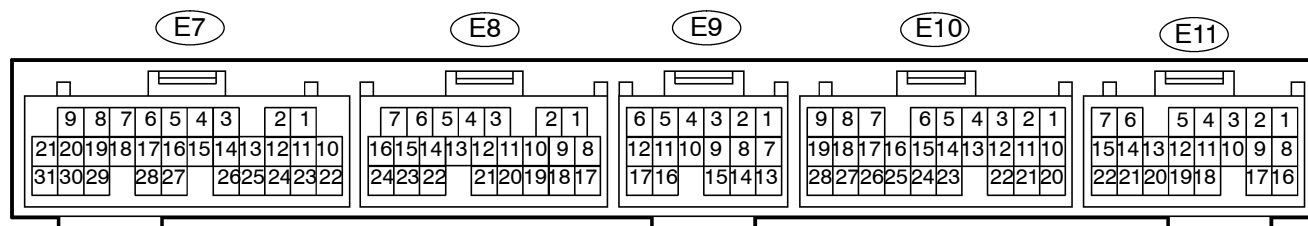


TERMINALS OF ECU

Engine and ECT ECU Terminals



D01639

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
S1 ↔ E1 (E9-1 ↔ E8-17)	R ↔ BR	IG ON	Below 1.5
		3rd or O/D gear	Below 1.5
		1st or 2nd gear	9.0 – 14
S2 ↔ E1 (E9-2 ↔ E8-17)	W ↔ BR	IG ON	Below 1.5
		1st or O/D gear	Below 1.5
		2nd or 3rd gear	9.0 – 14
SL ↔ E (E9-3 ↔ E8-17)	G ↔ BR	IG ON	Below 1.5
		Vehicle driving under lock-up position	9.0 – 14
SLT ⁺ ↔ SLT ⁻ (E9-9 ↔ E8-15)	G ↔ BR	IG ON	Below 3.0
		Engine is idling	Pulse signal is output Below 1.5 ↔ 9.0 – 14
SP2 ⁺ ↔ SP2 ⁻ (E9-5 ↔ E9-11)	R ↔ G	Engine is idling	Pulse signal is output Below 1.5 ↔ 4 – 6
NCO ⁺ ↔ NCO ⁻ (E9-4 ↔ E9-10)	L-R ↔ L-W	Engine is idling	Pulse signal is output Below 1.5 ↔ 4 – 6
OIL ↔ E2 (E9-17 ↔ E8-18)	G-Y ↔ BR-W	IG ON and ATF temperature 110 °C (176 °F)	Below 1.5
NSW ↔ E1 (E10-20 ↔ E8-17)	R-B ↔ BR	IG ON and shift lever range: P or N	9.0 – 14
		IG ON and shift lever range: except P or N	Below 1.5
R ↔ E1 (E10-2 ↔ E8-17)	R-B ↔ BR	IG ON and shift lever range: R	9.0 – 14
		IG ON and shift lever range: except R	Below 1.5
D ↔ E1 (E10-19 ↔ E8-17)	G-Y ↔ BR	IG ON and shift lever range: D	9.0 – 14
		IG ON and shift lever range: except D	Below 1.5
2 ↔ E1 (E10-3 ↔ E8-17)	G ↔ BR	IG ON and shift lever range: 2	9.0 – 14
		IG ON and shift lever range: except 2	Below 1.5
L ↔ E1 (E10-4 ↔ E8-17)	G-B ↔ BR	IG ON and shift lever range: L	9.0 – 14
		IG ON and shift lever range: except L	Below 1.5
STP ↔ E1 (E10-6 ↔ E8-17)	G-W ↔ BR	IG ON and brake pedal depressed	9.0 – 14
		IG ON and brake pedal released	Below 1.5
TFN-E1 (E11-15 ↔ E8-17)	Y-G ↔ BR	IG ON and Transfer shift lever N position	Below 1.5
		IG ON and Transfer shift lever other than N position	9.0 – 14
SNWI-E1 (E11-3 ↔ E8-17)	L-R ↔ BR	IG ON and 2nd start switch ON	Below 1.5
		IG ON and 2nd start switch OFF	9.0 – 14
SNWL-E1 (E11-2 ↔ E8-17)	Y ↔ BR	IG ON and 2nd start mode	Below 1.5
		IG ON and Except 2nd start mode	9.0 – 14

LAND CRUISER (W/G) (RM616E)

DIAGNOSTICS – AUTOMATIC TRANSMISSION (A343F)

PWR-E1 (E10, 11 ↔ E8, 17)	L-W ↔ BR	IG ON and Pattern select switch "NORM"	9.0 – 14
		IG ON and Pattern select switch "PWR"	Below 1.5
OD2 – E1 (E10-1 ↔ E8-17)	B ↔ BR	IG ON and O/D main switch ON (O/D OFF)	Below 1.5
		IG ON and O/D main switch OFF (O/D ON)	9.0 – 14
L4 – E1 (E11-22 ↔ E8-17)	B-L ↔ BR	IG ON and Transfer shift lever L4 position	9.0 – 14
		IG ON and Transfer shift lever other than L4 position	Below 1.5
SPD-E1 (E10, 15-E8, 17)	V ↔ BR	IG ON and Vehicle stationary	Below 1.5
		IG ON and Turn one rear wheel slowly	Pulse signal is output Below 1.5 ↔ 4-6