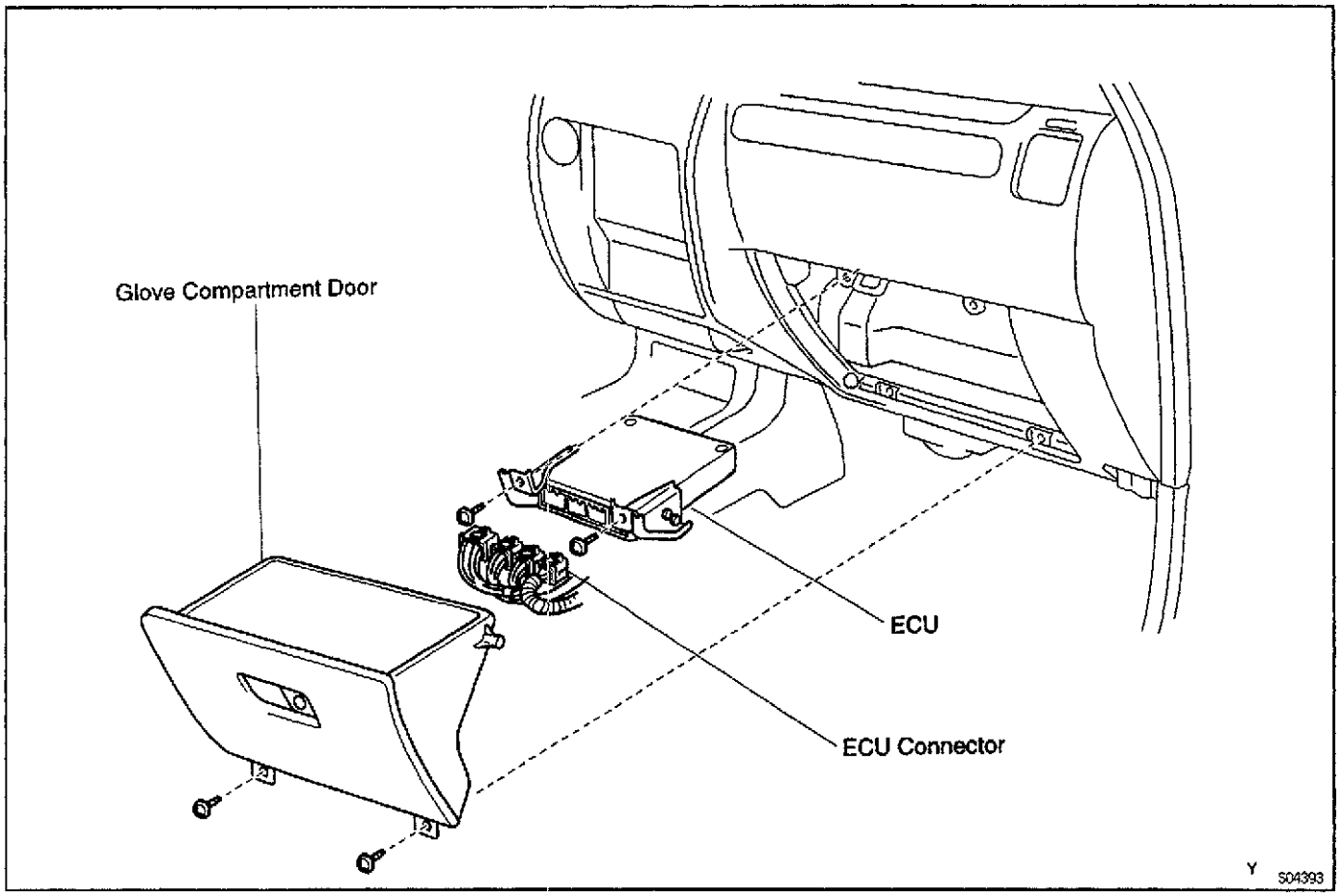
ECU

COMPONENTS FOR REMOVAL AND INSTALLATION

EG0CA-0M



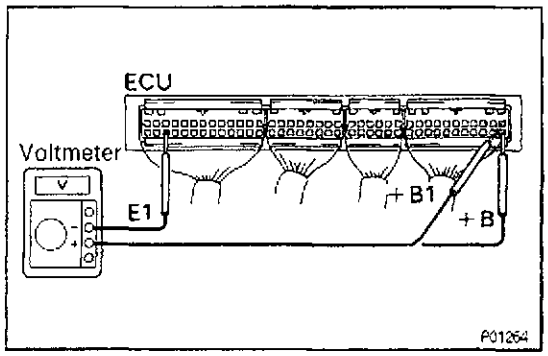
ENGINE (& ECT) ECU INSPECTION

E07DW-01

HINT: The EFI circuit can be checked by measuring the resistance and voltage at the wiring connectors of the engine (& ECT) ECU.

1. **PREPARATION**

Disconnect the connectors from the engine (& ECT) ECU.



EG

2. INSPECT VOLTAGE OF ENGINE (& ECT) ECU.

Check the voltage between each terminal of the wiring connectors.

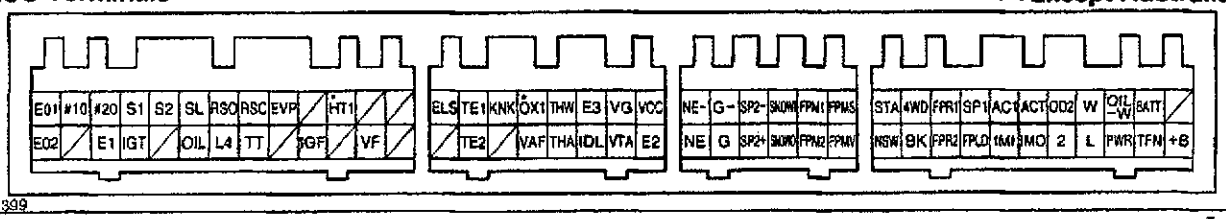
- Turn the ignition switch ON.
- Measure the voltage at each terminal.

HINT:

- Perform all voltage measurements with the connectors connected.
- Verify that the battery voltage is 11 V or more when the ignition switch is ON.

Terminals	Condition		STD voltage (V)
+B - E1	IG switch ON		9 - 14
BATT - E1	–		9 - 14
IDL - E2	IG switch ON	Throttle valve fully closed	0 - 3.0
		Throttle valve fully open	9 - 14
VTA - E2		Throttle valve fully closed	0.3 - 0.8
		Throttle valve fully open	3.2 - 4.9
VCC - E2	IG switch ON		4.5 - 5.5
THA - E2	Intake air temp. 20°C (68°F)		0.5 - 3.4
THW - E2	Engine coolant temp. 80°C (176°F)		0.2 - 1.0
STA - E1	Cranking		6.0 or more
IGT - E1	Idling		Pulse generation
IGF - E1	IG switch ON		Below 2.0
	Idling		Pulse generation
RSC - E1	IG switch ON		9 - 14
RSO - E1			9 - 14
NE+ - NE-	Idling		Pulse generation
G+ - G-			Pulse generation
W - E1	No trouble (check engine warning light off) and engine running		9 - 14
KNK - E1	Idling		0.27±0.05
ACT - E1	IG switch ON		9 - 14
AC1 - E1	IG switch ON	A/C switch ON at Idling	Below 2.0
		A/C switch OFF	9 - 14

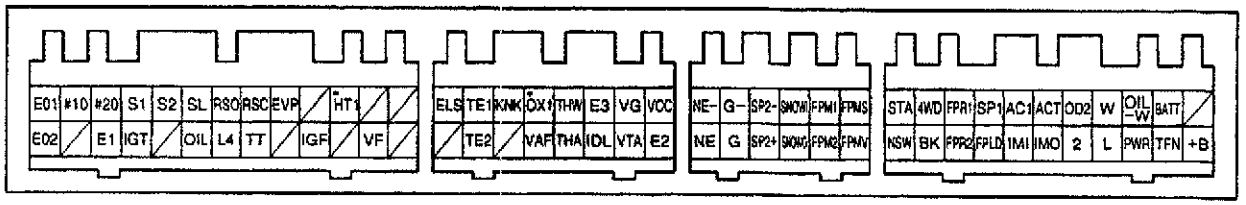
ECU Terminals *** : Except Australia**



T V08104

Terminals	Condition			STD voltage (V)
TE1 - E1	IG switch ON	Check connector TE1 - E1 not connected		9 - 14
		Check connector TE1 - E1 connected		3 or less
TE2 - E2		Check connector TE2 - E2 not connected		9 - 14
		Check connector TE2 - E2 connected		3 or less
TT - E1		Maintain speed at 2,500 rpm for 180 seconds after warning up them return to idling		1.8 - 3.2
VE - E1		Maintain speed at 2,500 rpm for 180 seconds after warning up them return to idling		1.8 - 3.2
OX1 - E1	Maintain engine speed at 2,500 rpm for 2 minutes after warning up			Pulse generation
	Idling			Belon 3.0
HT1 - E3	IG switch ON			9 - 14
VG - E3	Idling, A/C switch OFF			1.0 - 1.5
FPLD - E01	Idling	Fuel tank chengeover switch	is ON	9 - 14
			is OFF	0 - 3
IMI - E1	Several second after engine starting			Pulse generation
IMO - E1	Several second after engine starting			Pulse generation
EVP - E1	IG switch ON			9 - 14
NSW - E1	Neutral start switch P or N range			0 - 2
	EX. neutral start switch P or N range			6 - 14
FPMV - E01	Fuel tank changeover switch		is ON	9 - 14
			is OFF	0 - 2
FPMS - E01	Idling			9 - 14
FPR2 - E01				9 - 14
FPR1 - E01				0 - 2
FPM1 - E01	Idling	Fuel tank changeover switch	is ON	9 - 14
			is OFF	0 - 2
FPM2 - E01			Is ON	9 - 14
			is OFF	0 - 2

ECU Terminals *** : Except Australia**



S01399