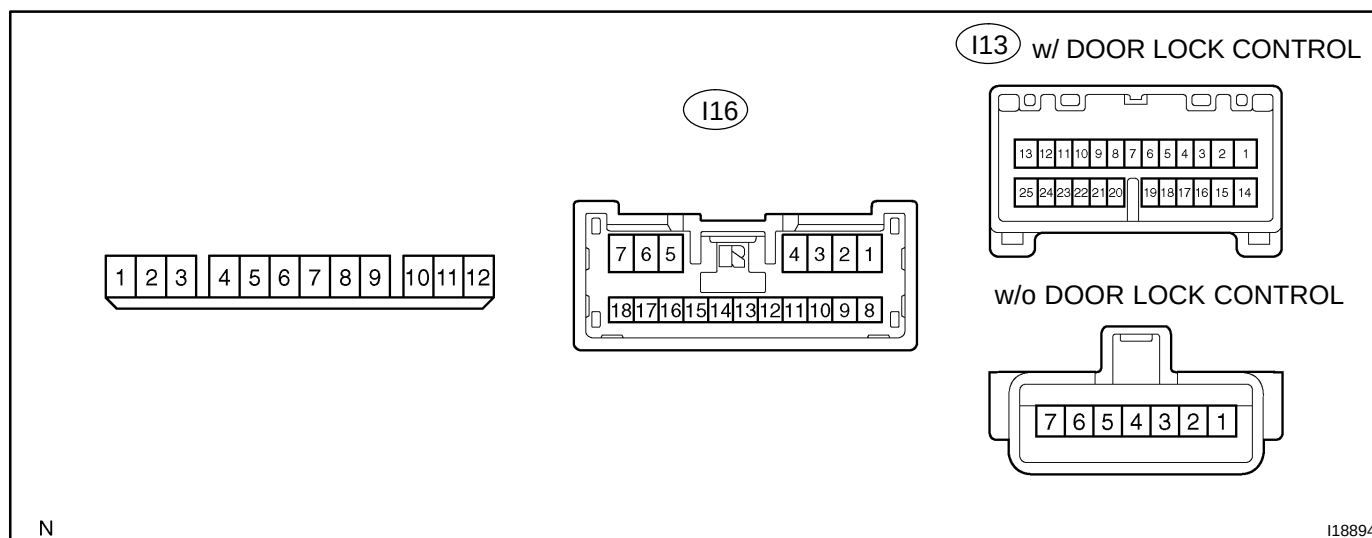


TERMINALS OF ECU



w/ DOOR LOCK CONTROL

Terminal No. (Symbols)	Wiring Color	Condition	STD Voltage (V)
1 ↔ I16-7 (B ↔ GND)	- ↔ W-B	Constant	10 - 14 V
2 ↔ I16-7 (LP ↔ GND)	- ↔ W-B	Each door are opened	Below 1 V
		All doors closed	10 - 14 V
4 ↔ I16-7 (PCTY ↔ GND)	- ↔ W-B	Passenger door are opened	Below 1 V
		Passenger doors closed	-
5 ↔ I16-7 (KSW ↔ GND)	- ↔ W-B	Key is inserted	Below 1 V
		Key is not inserted	10 - 14 V
6 ↔ I16-7 (DCTY ↔ GND)	- ↔ W-B	Driver door closed	10 - 14 V
		Driver door opened	Below 1 V
7 ↔ I16-7 (IG ↔ GND)	- ↔ W-B	Ignition switch OFF or ACC	Below 1 V
		Ignition switch ON	10 - 14 V
8 ↔ I16-7 (BKL ↔ GND)	- ↔ W-B	Driver seat belt unfastened	Below 1 V
9 ↔ I16-7 (WRND ↔ GND)	- ↔ W-B	Driver seat belt buckle switch ON (belt Fastened)	Below 1 V
		Driver seat belt buckle switch OFF (belt Fastened)	Approx. 5.0V
10 ↔ Body Ground (E ↔ Body Ground)	- ↔ W-B	Constant	Continuity
11 ↔ I16-7 (ACC ↔ GND)	- ↔ W-B	Ignition switch OFF	Below 1 V
		Ignition switch ON or ACC	10 - 14 V
I13-1 ↔ I13-14 (ACT+ ↔ ACT-)	L-R ↔ L-B	Door lock operating	10 - 14 V
I13-2 ↔ I13-14 (ACTD ↔ ACT-)	Y-B ↔ L-B	Driver door lock operating	10 - 14 V
I13-3 ↔ I16-7 (L1 ↔ GND)	LG ↔ W-B	Door lock manual switch OFF or UNLOCK	Below 1 V
		Door lock manual switch LOCK	Approx. 5.0V
I13-4 ↔ I16-7 (UL1 ↔ GND)	G ↔ W-B	Door lock manual switch UNLOCK	Below 1 V
		Door lock manual switch LOCK or OFF	10 - 14 V
I13-5 ↔ I16-7 (L2 ↔ GND)	L-W ↔ W-B	Door key lock and unlock switch LOCK	Below 1 V
		Door key lock unlock switch OFF or UNLOCK	10 - 14 V

DIAGNOSTICS - BODY CONTROL SYSTEM

I13-6 ↔ I16-7 (UL3 ↔ GND)	B ↔ W-B	Driver door key lock and unlock switch UNLOCK	Below 1 V
		Driver door key lock and unlock switch OFF or LOCK	10 - 14 V
I13-7 ↔ I16-7 (UL2 ↔ GND)	L-Y ↔ W-B	Except power slide door key lock and unlock switch UNLOCK	Below 1 V
		Except power slide door key lock and unlock switch OFF or LOCK	10 - 14 V
I13-8 ↔ I16-7 (AUTO ↔ GND)	V ↔ W-B	Light control switch except AUTO	10 - 14 V
		Light control switch AUTO	Below 1 V
I13-9 ↔ I16-7 (TRLY ↔ GND)	G-R ↔ W-B	Light control switch TAIL or HEAD (*1)	Below 1 V
		Light control switch OFF (*1)	10 - 14 V
I13-10 ↔ I16-7 (T ↔ GND)	G-O ↔ W-B	Light control switch TAIL or HEAD	Below 1 V
		Light control switch OFF	10 - 14 V
I13-11 ↔ I16-7 (HRLY ↔ GND)	O ↔ W-B	Light control switch HEAD (*1)	Below 1 V
		Light control switch OFF or TAIL (*1)	10 - 14 V
I13-12 ↔ I16-7 (H ↔ GND)	R-G ↔ W-B	Light control switch HEAD	Below 1 V
		Light control switch except HEAD	10 - 14 V
I13-13 ↔ I16-7 (DOUT ↔ GND)	GR ↔ W-B	Constant	10 - 14 V
I13-15 ↔ I16-7 (B ↔ GND)	L-W ↔ W-B	Constant	10 - 14 V
I13-16 ↔ I16-7 (LSWD ↔ GND)	BR-R ↔ W-B	Driver door is unlocked	Below 1 V
		Driver door is locked	10 - 14 V
I13-17 ↔ I16-7 (WRN ↔ GND)	R-W ↔ W-B	Any door opened	Below 1 V
		All doors closed	10 - 14 V
I13-21 ↔ I16-7 (CSE ↔ GND)	LG ↔ W-B	Automatic light control sensor communication circuit	Below 1 V
I13-22 ↔ I16-7 (CSO ↔ GND)	G-B ↔ W-B	Automatic light control sensor communication circuit	-
I13-23 ↔ I16-7 (CSB ↔ GND)	R ↔ W-B	Automatic light control sensor communication circuit	10 - 14 V
I13-24 ↔ I16-7 (P/W ↔ GND)	B-R ↔ W-B	Key - OFF power window operation	10 - 14 V
I16-1 ↔ I16-7 (PANI ↔ GND)	V ↔ W-B	Panic signal output	-
I16-2 ↔ I16-7 (BCTY ↔ GND)	G-W ↔ W-B	Back door opened	Below 1 V
		Back door closed	-
I16-4 ↔ I16-7 (BZR ↔ GND)	G-O ↔ W-B	Buzzer sound	10 - 14 V
		Buzzer does not sound	Below 1 V
I16-5 ↔ Body Ground (LSDS ↔ Body Ground)	W-B ↔ Body Ground	Constant	Continuity
I16-6 ↔ I16-7 (LSLD ↔ GND)	L-B ↔ W-B	Slide door LH ECU communication circuit	-
I16-8 ↔ I16-7 (SCTY ↔ GND)	R-Y ↔ W-B	Any slide door opened	10 - 14 V
		Both slide door closed	Below 1 V
I16-9 ↔ I16-7 (PBKL ↔ GND)	P ↔ W-B	Passenger seat belt buckle switch ON (belt unfastened)	Below 1 V
		Passenger seat belt buckle switch OFF (belt fastened)	Approx.5.0V
I16-10 ↔ I16-7 (LSWP ↔ GND)	Y ↔ W-B	Passenger door is locked	Below 1 V
		Passenger door is unlocked	Approx. 5.7 V

2001 SIENNA (RM787U)

I16-14 ↔ I16-7 (RDA ↔ GND)	G-Y ↔ W-B	Wireless door lock control receiver communication circuit	-
I16-15 ↔ I16-7 (PRG ↔ GND)	G-R ↔ W-B	Wireless door lock control receiver communication circuit	-
I16-16 ↔ I16-7 (WRNP ↔ GND)	Y-G ↔ W-B	Ignition switch position ACC and front passenger seat belt warning light ON	Below 1 V
		Ignition switch position ACC and front passenger seat belt warning light OFF	10 - 14 V
I16-17 ↔ I16-7 (PHRN ↔ GND)	G-B ↔ W-B	Horn switch position is OFF (*2)	10 - 14 V
		Horn switch position is ON (*2)	Below 1 V
I16-18 ↔ I16-7 (SLD ↔ GND)	V-W ↔ W-B	Slide door RH ECU communication circuit	-

(*1): The terminal voltage also changes due to the effects of the operations of the theft deterrent ECU and the DRL Relay.

(*2): The signal is also output when the panic switch is pressed.

w/o DOOR LOCK CONTROL

Terminal No. (Symbols)	Wiring Color	Condition	STD Voltage (V)
1 ↔ 10 (B ↔ E)	- ↔ W-B	Constant	10 - 14 V
2 ↔ 10 (LP ↔ E)	- ↔ W-B	Each door are opened	Below 1 V
		All doors closed	10 - 14 V
4 ↔ 10 (PCTY ↔ E)	- ↔ W-B	Passenger door are opened	Below 1 V
		Passenger doors closed	-
5 ↔ 10 (KSW ↔ E)	- ↔ W-B	Key is inserted	Below 1 V
		Key is not inserted	10 - 14 V
6 ↔ 10 (DCTY ↔ E)	- ↔ W-B	Driver door closed	10 - 14 V
		Driver door opened	Below 1 V
7 ↔ 10 (IG ↔ E)	- ↔ W-B	Ignition switch OFF or ACC	Below 1 V
		Ignition switch ON	10 - 14 V
8 ↔ 10 (BKL ↔ E)	- ↔ W-B	Driver seat belt unfastened	Below 1 V
9 ↔ 10 (WRN ↔ E)	- ↔ W-B	Driver seat belt buckle switch ON (belt Fastened)	Below 1 V
		Driver seat belt buckle switch OFF (belt Fastened)	Approx. 5.0V
I13-1 ↔ 10 (SCTY ↔ E)	R-Y ↔ W-B	RH slide door opened	Below 1 V
		RH slide door closed	-
I13-2 ↔ 10 (WRNP ↔ E)	Y-G ↔ W-B	Ignition switch position ACC and front passenger seat belt warning light ON	10 - 14V
I13-3 ↔ 10 (PBKL ↔ E)	P-B ↔ W-B	Passenger seat belt buckle switch ON (belt fastened)	Below 1 V
		Passenger seat belt buckle switch OFF (belt unfastened)	10 - 14V
I13-4 ↔ 10 (T ↔ E)	G-O ↔ W-B	Light control switch TAIL or HEAD	Below 1 V
		Light control switch OFF	10 - 14V
I13-5 ↔ 10 (TRLY ↔ E)	G-R ↔ W-B	Light control switch TAIL or HEAD	Below 1 V
		Light control switch OFF	10 - 14V
I13-6 ↔ 10 (HRLY ↔ E)	O ↔ W-B	Light control switch HEAD	Below 1 V
		Light control switch OFF or TAIL	10 - 14V
I13-7 ↔ 10 (H ↔ E)	R-G ↔ W-B	Light control switch HEAD	Below 1 V
		Light control switch OFF or TAIL	Approx.5.7V