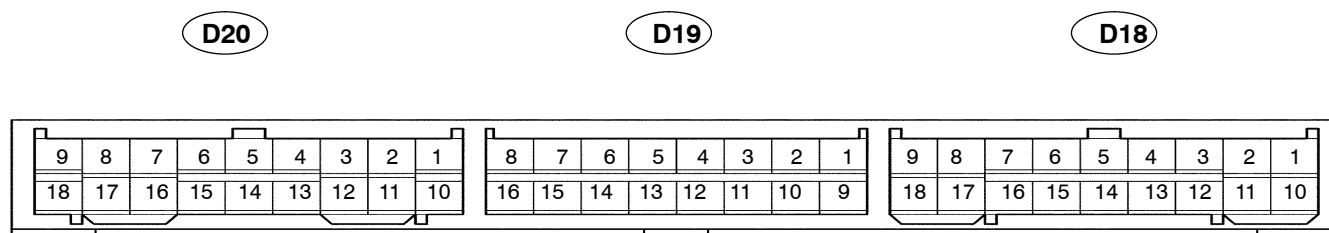


# TERMINALS OF ECU

## Driver Door ECU



I03225

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
CPUB ↔ GND (D20-11 ↔ D20-17) (*1) (D20-3 ↔ D20-12) (*2)	G-W ↔ W-B	Constant	10 – 14 V
BDR ↔ GND (D18-1 ↔ D20-17(*1), 12(*2))	L-,B ↔ W-B	Constant	10 – 14 V
CTYB ↔ GND (D18-10 ↔ D20-17(*1), 12(*2))	R-Y ↔ W-B	Constant	10 – 14 V
SIG ↔ GND (D20-2 ↔ D20-17(*1), 12(*2))	B-R ↔ W-B	Ignition switch position is ON.	10 – 14 V
GND ↔ Body Ground (D20-17 ↔ Body Ground) (*1) (D20-12 ↔ Body Ground) (*2)	W-B ↔ Body Ground	Constant	Below 1 V
MM ↔ GND (D20-4 ↔ D20-17(*1), 12(*2))	GR ↔ W-B	Set switch position is OFF.	10 – 14 V
		Set switch position is ON.	Below 1 V
M1 ↔ GND (D20-15 ↔ D20-17(*1), 12(*2))	P ↔ W-B	Memory Switch 1 position is OFF.	10 – 14 V
		Memory Switch 1 position is ON.	Below 1 V
M2 ↔ GND (D20-14 ↔ D20-17(*1), 12(*2))	P-B ↔ W-B	Memory Switch 2 position is OFF.	10 – 14 V
		Memory Switch 2 position is ON.	Below 1 V
CTY ↔ GND (D19-15 ↔ D20-17(*1), 12(*2))	R-G ↔ W-B	Driver door closed.	10 – 14 V
		Driver door opened.	Below 1 V
KL ↔ GND (D18-4 ↔ D20-17(*1), 12(*2))	P-B ↔ W-B	Door key lock and unlock switch position is OFF.	Below 1 V
		Door key lock and unlock switch position is LOCK.	10 – 14 V
KUL ↔ GND (D18-5 ↔ D20-17(*1), 12(*2))	P-G ↔ W-B	Door key lock and unlock switch position is OFF.	Below 1 V
		Door key lock and unlock switch position is UNLOCK.	10 – 14 V
CYL ↔ GND (D18-12 ↔ D20-17(*1), 12(*2))	R-W ↔ W-B	Constant	10 – 14 V

Symbols (Terminals No.)	Wiring Color	Condition		STD Voltage (V)
MUP ↔ GND (D19-5 ↔ D20-17(*1), 12(*2))	L-W ↔ W-B	Ignition switch position is ON. Power window switch (Driver side)* position	OFF	Below 1 V
			UP	10 – 14 V
MDN ↔ GND (D19-4 ↔ D20-17(*1), 12(*2))	L-B ↔ W-B	Ignition switch position is ON. Power window switch (Driver side)* position	OFF	Below 1 V
			DOWN	10 – 14 V
ML ↔ GND (D18-6 ↔ D20-17(*1), 12(*2))	LG-B ↔ W-B	Door lock control switch* position	OFF	10 – 14 V
			LOCK	Below 1 V
MUL ↔ GND (D18-7 ↔ D20-17(*1), 12(*2))	LG-R ↔ W-B	Door lock control switch* position	OFF	10 – 14 V
			UNLOCK	Below 1 V
WLSW ↔ GND (D19-7 ↔ D20-17(*1), 12(*2))	Y-G ↔ W-B	Window lock switch* position	UNLOCK	Below 1 V
			LOCK	10 – 14 V
UP ↔ GND (D18-2 ↔ D20-17(*1), 12(*2))	R ↔ W-B	Power window (Driver side) is not operating.		Below 1 V
		Power window (Driver side) is operating upward.		10 – 14 V
DN ↔ GND (D18-11 ↔ D20-17(*1), 12(*2))	G ↔ W-B	Power window (Driver side) is not operating.		Below 1 V
		Power window (Driver side) is operating downward.		10 – 14 V
DMVR ↔ GND (D20-8 ↔ D20-17(*1), 12(*2))	LG-B ↔ W-B	Outside rear view mirror (Driver side) is not operating.		Below 1 V
		Outside rear view mirror (Driver side) is operating to down or right.		
		Outside rear view mirror (Driver side) is operating to up.		10 – 14 V
DM+R ↔ GND (D20-7 ↔ D20-17(*1), 12(*2))	LG-R ↔ W-B	Outside rear view mirror (Driver side) is not operating.		Below 1 V
		Outside rear view mirror (Driver side) is operating to up or left.		
		Outside rear view mirror (Driver side) is operating to down or right.		10 – 14 V
DMHR ↔ GND (D20-16 ↔ D20-17(*1), 12(*2))	LG ↔ W-B	Outside rear view mirror (Driver side) is not operating.		Below 1 V
		Outside rear view mirror (Driver side) is operating to up or left.		
		Outside rear view mirror (Driver side) is operating to left.		10 – 14 V
A+ ↔ GND (D18-8 ↔ D20-17(*1), 12(*2))	G-R ↔ W-B	Power door lock (Driver side) is not operating.		Below 1 V
		Power door lock (Driver side) is operating to unlock.		
		Power door lock (Driver side) is operating to lock.		10 – 14 V
A- ↔ GND (D18-17 ↔ D20-17(*1), 12(*2))	G-B ↔ W-B	Power door lock (Driver side) is not operating.		Below 1 V
		Power door lock (Driver side) is operating to lock.		
		Power door lock (Driver side) is operating to lock.		10 – 14 V
LSW ↔ GND (D18-3 ↔ D20-17(*1), 12(*2))	GR ↔ W-B	Driver door is locked.		10 – 14 V
		Driver door is unlocked.		Below 1 V
DVC ↔ GND (D19-8 ↔ D20-17(*1), 12(*2))	R ↔ W-B	Ignition switch position is OFF. After 30 seconds from door is closed.		Below 1 V
		Ignition switch position is ON.		4 – 6 V
DT1 ↔ GND (D19-3 ↔ D20-17(*1), 12(*2))	GR-G ↔ W-B	Ignition switch position is ON. Power window switch (FrRH) position	OFF	10 – 14 V
			UP	Below 1 V
			DOWN	Below 1 V
			AUTO	Below 1 V

\*: Power Window Master Switch

## DIAGNOSTICS – DRIVER DOOR CONTROL SYSTEM

Symbols (Terminals No.)	Wiring Color	Condition		STD Voltage (V)
DT2 ↔ GND (D19-2 ↔ D20-17(*1), 12(*2))	GR-R ↔ W-B	Ignition switch position is ON. Power window switch (RrRH) position	OFF	10 – 14 V
			UP	Below 1 V
			DOWN	Below 1 V
			AUTO	Below 1 V
DT1 ↔ GND (D19-1 ↔ D20-17(*1), 12(*2))	GR-G ↔ W-B	Ignition switch position is ON. Power window switch (RrDriver side) position	OFF	10 – 14 V
			UP	Below 1 V
			DOWN	Below 1 V
			AUTO	Below 1 V
LMT ↔ GND (D19-12 ↔ D20-17(*1), 12(*2))	W-G ↔ W-B	Window full-close position		10 – 14 V
		Except window full-close position		Below 1 V
PLS ↔ GND (D19-13 ↔ D20-17(*1), 12(*2))	W ↔ W-B	During the power window is operation.		Pulse Generation
		Power window is not operated.	SW ON	Below 1 V
			SW OFF	10 – 14 V
AI+ ↔ GND (D18-9 ↔ D20-17) (*1)	G-R ↔ W-B	Dirver side door double lock is not operating.		Below 1 V
		Dirver side door double lock is not operating to set		10 – 14 V
		Dirver side door double lock is not operating to unset		Below 1V
AI- ↔ GND (D18-18 ↔ D20-17) (*1)	G-B ↔ W-B	Dirver side door double lock is not operating		Below 1 V
		Dirver side door double lock is not operating to set		Below 1V
		Dirver side door double lock is not operating to unset		10 – 14 V
VSSR ↔ DE2 (D20-1 ↔ D20-13)	G-O ↔ W-B (*1)	Dirver side mirror moves upper most position		Below 2 V
	Y-R ↔ W-B (*2)	Dirver side mirror moves lower most position		4 – 6 V
HSSR ↔ DE2 (D20-10 ↔ D20-13)	Y-R ↔ W-B (*1)	Dirver side mirror moves left most position		Below 2 V
	G-O ↔ W-B (*2)	Dirver side mirror moves right most position		4 – 6 V
DBLS ↔ GND (D20-5 ↔ D20-17) (*1)	W ↔ W-B	Driver side door double lock is set		Below 1V
		Driver side door double lock is unset		10 – 14 V
MR- ↔ GND (D18-9 ↔ D20-12) (*3)	GR ↔ W-B	Outer rear view mirror retract switch OFF		Below 1V
		Outer rear view mirror retract switch ON		10 – 14 V
MR+ ↔ GND (D18-18 ↔ D20-12) (*3)	L-R ↔ W-B	Outer rear view mirror retract switch OFF		Below 1V
		Outer rear view mirror retract switch ON		10 – 14 V
MPX1 (D20-9)	O (*1) L-O (*2)	Multiplex communication system		–
MPX2 (D20-18)	L-O (*1) O (*2)	Multiplex communication system		–

(\*1): w/ Double locking system

(\*2): w/o Double locking system

(\*3): G.C.C. countries only