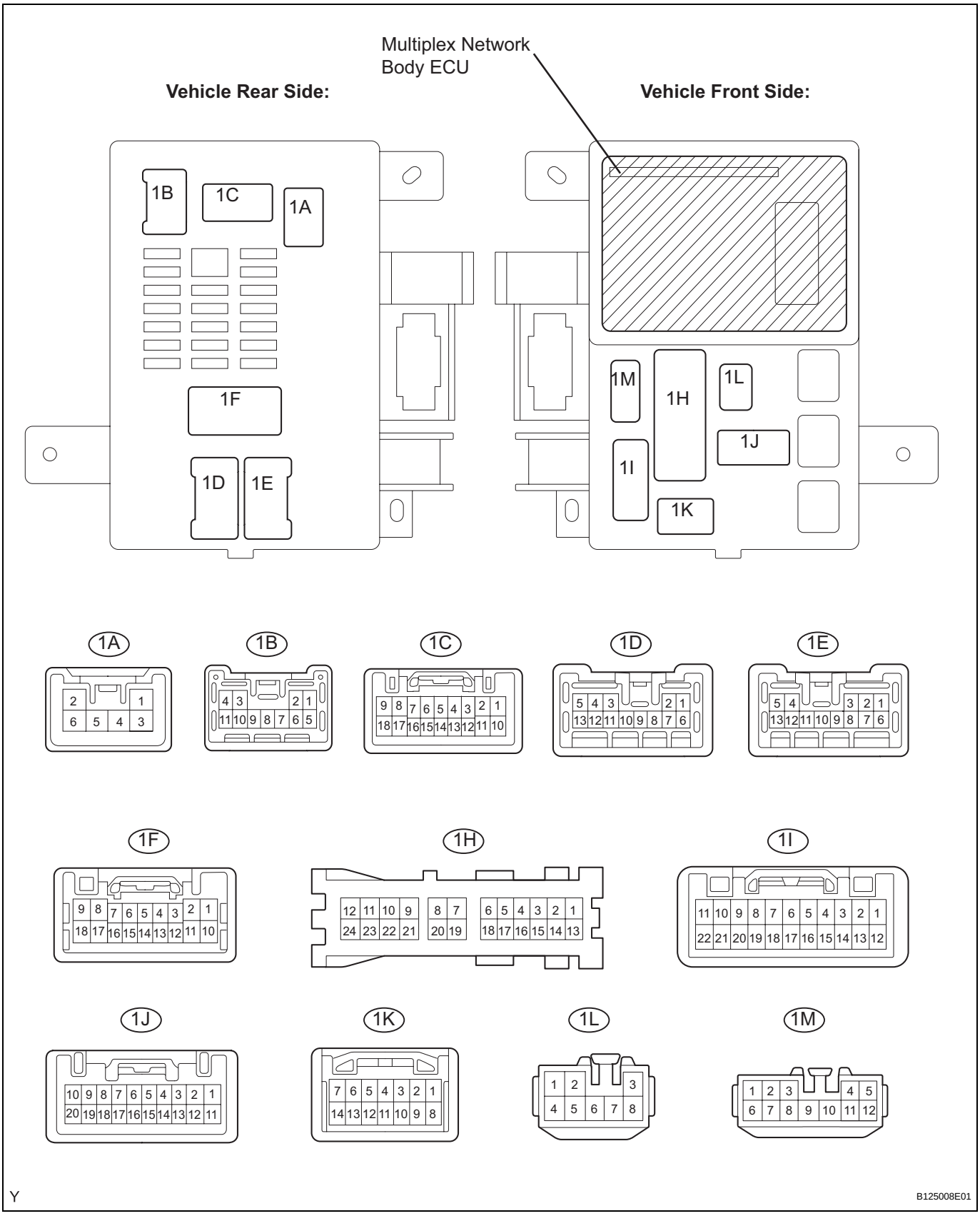
PROBLEM SYMPTOMS TABLE

Power door lock control system

Symptom	Suspected area	See page
All doors cannot be locked/unlocked simultaneously	DR LOCK fuse	DL-10
	J/B fuse	
	ECU-B fuse	
	ALT fuse	
	Power window regulator master switch assembly	
	Front door lock assembly LH	
	Door control switch aassembly	
	Driver side J/B assembly (multiplex network body ECU)	
	Wire harness	
Key lock-on prevention function does not work properly (manual operation and key-linked lock are available)	Unlock warning switch assembly	DL-29
	Front door courtesy light switch assembly (driver side)	
	Driver side J/B assembly (multiplex network body ECU)	
	Wire harness	

TERMINALS OF ECU

1. CHECK DRIVER SIDE JUNCTION BLOCK ASSEMBLY (MULTIPLEX NETWORK BODY ECU)



(a) Disconnect the 1A, 1C, 1F, 1H, 1I and 1K driver side J/B connectors.
(b) Disconnect the B5 multiplex network body ECU connectors.
(c) Measure the voltage and resistance of each of the wire harness side connectors.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
ALTB (1A-6) - Body ground	L - Body ground	+B (power system, generator system) power supply	Always	10 to 14 V
ECUB (1C-16) - Body ground	R - Body ground	+B (ECUB) power supply	Always	10 to 14 V
GND (1H-18) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
KSW (1K-10) - Body ground	G-B - Body ground	Key unlock warning switch input	No key in ignition key cylinder	10 kΩ or higher
			Key inserted in ignition key cylinder	Below 1 Ω
DCTY (1F-7) - Body ground	G-Y - Body ground	Driver side courtesy switch input	Driver side door closed	10 kΩ or higher
			Driver side door open	Below 1 Ω
PCTY (1I-8) - Body ground	R-B - Body ground	Pssenger side courtesy switch input	Passenger side door closed	10 kΩ or higher
			Passenger side door open	Below 1 Ω
L1 (1I-7) - Body ground L1 (1I-18) - Body ground	L-W - Body ground	Door control switch (master switch and passenger side switch) lock input	Door control switch (master switch or passenger side switch) OFF	10 kΩ or higher
			Door control switch (master switch or passenger side switch) LOCK	Below 1 Ω
UL1 (1I-3) - Body ground UL1 (1I-1) - Body ground	GR - Body ground	Door control switch (master switch and passenger side switch) lock input	Door control switch (master switch or passenger side switch) OFF	10 kΩ or higher
			Door control switch (master switch or passenger side switch) UNLOCK	Below 1 Ω
LSWD (B5-20) - Body ground	W-R - Body ground	Driver side door lock position switch input	Driver side door UNLOCK	10 kΩ or higher
			Driver side door LOCK	Below 1 Ω
LSWP (B5-11) - Body ground	B-W - Body ground	Driver side door lock position switch input	Driver side door UNLOCK	10 kΩ or higher
			Driver side door LOCK	Below 1 Ω
L2 (1I-17) - Body ground	V - Body ground	Driver side door key-linked door lock input	Driver side door key cylinder OFF	10 kΩ or higher
			Driver side door key cylinder LOCK	Below 1 Ω
L2 (1I-4) - Body ground	V - Body ground	Passenger side door key-linked door lock input	Passenger side door key cylinder OFF	10 kΩ or higher
			Passenger side door key cylinder LOCK	Below 1 Ω
UL3 (B5-23) - Body ground	G-B - Body ground	Driver side door key-linked door unlock input	Driver side door key cylinder OFF	10 kΩ or higher
			Driver side door key cylinder UNLOCK	Below 1 Ω

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
UL2 (1I-19) - Body ground	P - Body ground	Passenger side door key-linked door unlock input	Passenger side door key cylinder OFF	10 kΩ or higher
			Passenger side door key cylinder UNLOCK	Below 1 Ω

If the result is not as specified, there may be a malfunction on the wire harness side.

(d) Reconnect the 1A, 1C, 1F, 1H, 1I and 1K J/B connectors.

(e) Reconnect the B5 multiplex network body ECU connectors.

(f) Measure the voltage of the connectors.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
ACT+ (1H-24) - Body ground ACT+ (1H-23) - Body ground ACT+ (1F-1) - Body ground ACT+ (1H-22) - Body ground	L-R - Body ground	Door lock motor LOCK drive output (all doors)	Door control switch (master switch or passenger side switch) or door key cylinder (driver or passenger side) OFF	Below 1 V
			Door control switch (master switch or passenger side switch) or door key cylinder (driver or passenger side) LOCK	10 to 14 V
ACTD (B5-3) - Body ground	L-B - Body ground	Door lock motor UNLOCK drive output (driver side doors)	Door control switch (master switch or passenger side switch) or door key cylinder (driver or passenger side) OFF	Below 1 V
			Door control switch (master switch or passenger side switch) or door key cylinder (driver or passenger side) LOCK	10 to 14 V
ACT- (1H-5) - Body ground ACT- (1F-2) - Body ground ACT- (1H-4) - Body ground	L-B - Body ground	Door lock motor LOCK drive output (passenger and rear LH and rear RH side door)	Door control switch (master switch or passenger side switch) or door key cylinder (driver or passenger side) OFF	Below 1 V
			Door control switch (master switch or passenger side switch) or door key cylinder (driver or passenger side) LOCK	10 to 14 V

If the result is not as specified, the multiplex network body ECU may have a malfunction.