

## SYSTEM DESCRIPTION

### 1. POWER DOOR LOCK CONTROL SYSTEM DESCRIPTION

- (a) The power door lock system locks/unlocks all the doors simultaneously.
- The master switch and the door control switch (on the passenger side door) send lock/unlock request signals to the multiplex network body ECU. Then, the multiplex network body ECU transmits these requests to the lock motors in each door to lock/unlock all the doors simultaneously.
  - Operating the driver side and passenger side door locks using a key sends lock/unlock request signals to the multiplex network body ECU. The driver side door key-linked lock function has an optional unlock method called the "2-step unlock function." Refer to the chart below in step (b) for details on this function.
- (b) The power door lock control system has the following functions:

Function	Description
Key-linked lock and unlock function	This function locks/unlocks all doors simultaneously when driver side or passenger side door key cylinder (linked with driver side and passenger side door lock) is turned with key.
Key lock-in prevention function	When key is inserted into ignition key cylinder and door lock operation is performed with driver side door open, all doors are unlocked.
Door control switch* unlock prohibition function	Performing door lock operation with transmitter or key prohibits the unlock operation by door lock control switch.
2-step unlock function	Driver side door can be unlocked by turning key cylinder once; remaining doors can be unlocked by turning key cylinder second time.

\* : Master switch and door control switch (passenger side)

## HOW TO PROCEED WITH TROUBLESHOOTING

### HINT:

- Use these procedures to troubleshoot the power door lock control system.

**1** VEHICLE BROUGHT TO WORKSHOP

NEXT

**2** CUSTOMER PROBLEM ANALYSIS CHECK SYMPTOM CHECK)

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**3** PROBLEM SYMPTOMS TABLE

- (a) If the fault is not listed on the problem symptoms table, proceed to A.
- (b) If the fault is listed on the problem symptoms table, proceed to B.

**B**

Go to step 6

**A**

**4** OVERALL ANALYSIS AND TROUBLESHOOTING

- (a) On-vehicle inspection (See page [DL-7](#))
- (b) Inspection
- (c) Terminals of ECU (See page [DL-5](#))

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**5** ADJUSTMENT, REPAIR OR REPLACEMENT

NEXT

**6** CONFIRMATION TEST

NEXT

END