POWER DOOR LOCK CONTROL SYSTEM

730F1–01

ON–VEHICLE INSPECTION

1. DOOR LOCK FAIL–SAFE

(a) When a malfunction in the door control switch (manual switch, interlocked with key operation) has been detected, door lock/unlock operation becomes disabled.

2. CHECK ELECTRICAL DOOR LOCK OPERATION

NOTICE:

The initial condition that the customizing function by the hand–held tester is not chosen is shown.

(a) Check the basic function.
  (1) Check that all doors lock when the door control switch (for manual operation) is turned to LOCK and all doors unlock when turned to UNLOCK.
  (2) Check that all doors lock when the driver and passenger side door lock key cylinders are turned to LOCK using the key.

(b) Check the key confinement prevention function.

NOTICE:

In order to prevent the key from being locked–in, the inspection should be made with the driver side door glass open.

  (1) Have the key inserted into the ignition key cylinder.
  (2) With the driver side door open, check that all doors unlock immediately after the door lock knob for the driver side door is turned to LOCK.
  (3) With the driver side door open, check that all doors unlock immediately after the door control switch (for manual operation) is turned to LOCK.
  (4) With the driver side door open, turn the driver side door lock knob to LOCK and hold it for 2 seconds or more, and then close the driver side door. Then check that all doors unlock.

(c) Check the security function.
  (1) Close all doors with the driver side door glass open so that the door control switch can be operated from outside the vehicle
  (2) Pull out the key, open the driver side door and then close and lock the door without using the key. Under this condition, check that all doors do not unlock when the door control switch (for manual operation) is turned to UNLOCK from outside the vehicle.
  (3) Pull out the key, close and lock the driver side door by key operation. Under this condition, check that all doors do not unlock when the door control switch (for manual operation) is turned to UNLOCK from outside the vehicle.
  (4) Pull out the key, close the driver side door and lock the door by wireless door lock operation. Under this condition, check that all doors do not unlock when the door control switch (for manual operation) is turned to UNLOCK from outside the vehicle.

HINT:

Check that the security function is canceled under the following conditions.

- The ignition switch is turned ON.
- The driver side door is unlocked using the key.
- The door control switch (for manual operation) is turned to UNLOCK after the door control knob is turned to UNLOCK manually.
- The doors are unlocked with wireless operation.

(d) Check the illumination function.
  (1) Set the room light switch in the DOOR position.
  (2) With all doors locked, check that all doors unlock when the driver side door lock cylinder is turned to UNLOCK using the key. At the same time, the room light comes on.
  (3) Check that the room light will go off in approximately 15 seconds if doors have not been opened for a while.

3. W/ DOUBLE LOCK:
CHECK DOUBLE LOCKING FUNCTION SYSTEM

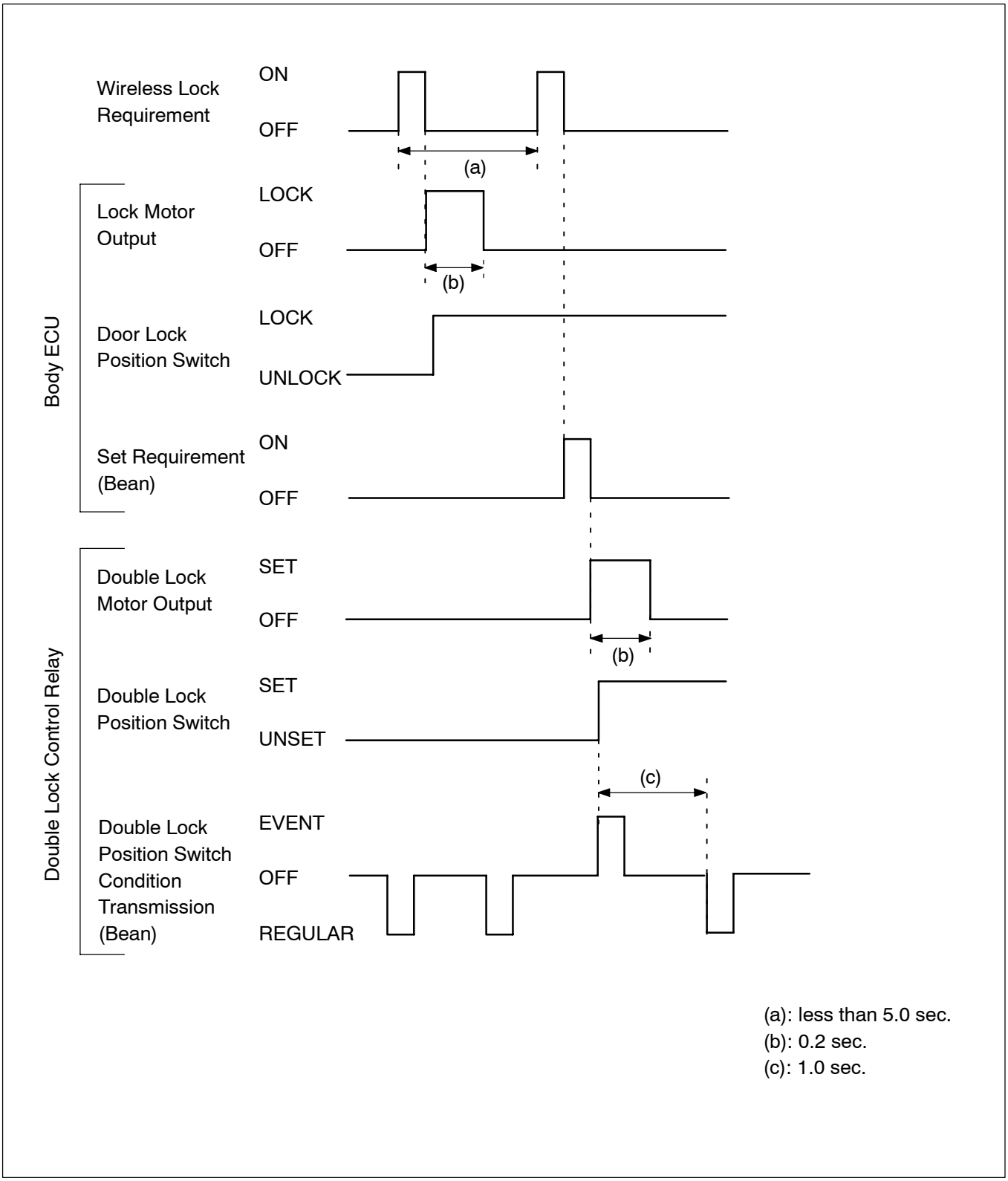
(a) Check that the double locking system is set.
  (1) Open all the windows.
  (2) Turn the ignition switch to LOCK and remove the key.
  (3) Open and close the driver side door, and make sure that all doors and the back door are closed securely.
  (4) Push the LOCK switch on the wireless transmitter twice within 5 seconds, and check that the hazard warning lights flash once at this time to show that the system is set.
  (5) Try to unlock all doors by the inside handle of the vehicle, and check that none of the doors unlock.

NOTICE:
- **The double locking system cannot be set without using the wireless transmitter.**
- **The double locking system is not applicable to the back door.**

(b) Check that the double locking system is canceled.
  (1) Push the UNLOCK switch on the wireless transmitter while the double locking system is set, and check that the hazard warning lights flash twice at this time to show that the system is canceled.
  (2) Check that the doors can be opened both by the inside handle and the outside handle.

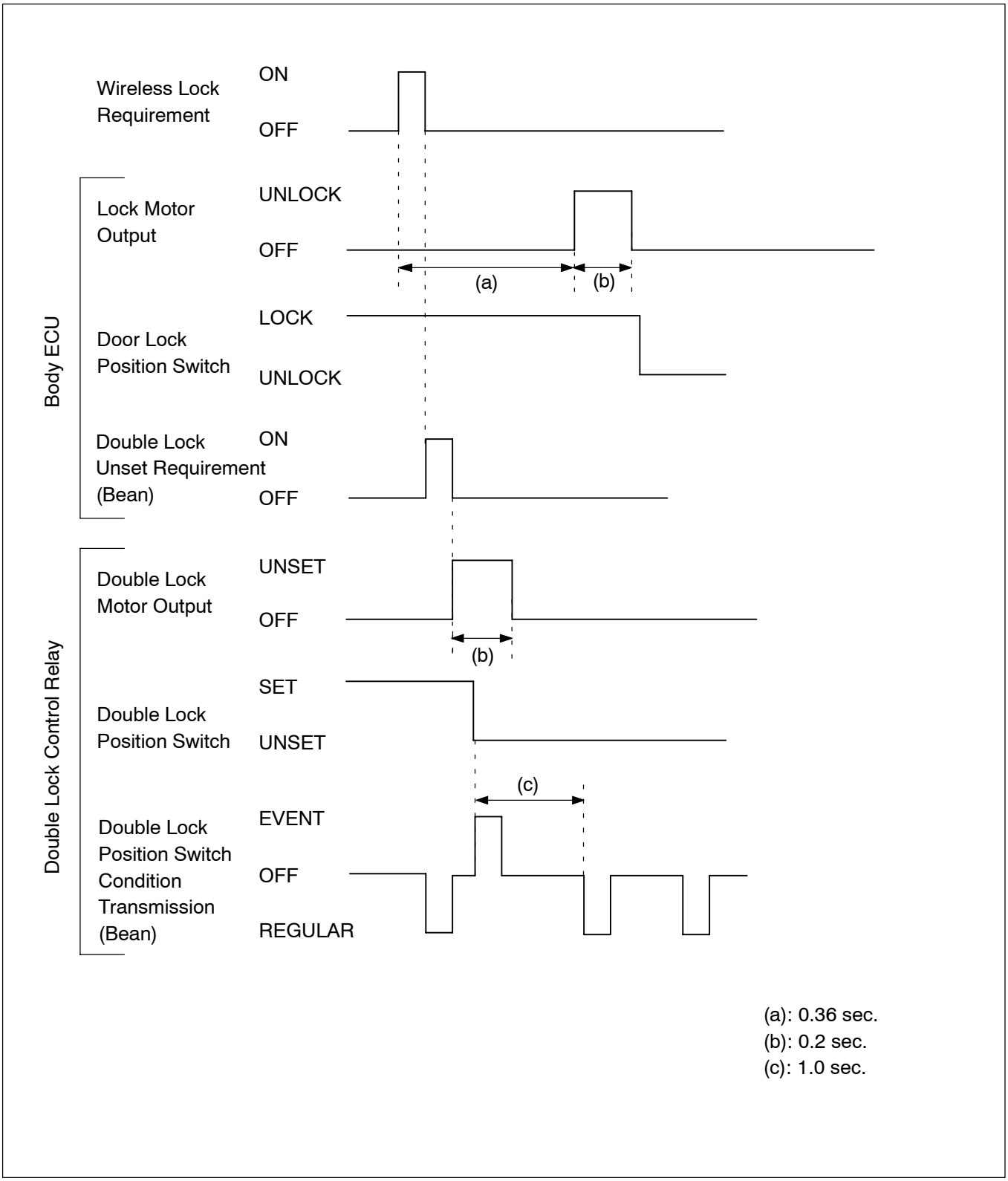
NOTICE:
If the battery of the wireless transmitter is dead, only the driver side door can be opened using the key. However, the theft deterrent system still remains on. Therefore, be careful that the theft alarm is set off when the door is opened without using the wireless transmitter.

Double Locking System Set Control Timing Chart



(a): less than 5.0 sec.
(b): 0.2 sec.
(c): 1.0 sec.

Double Locking System Unset Control Timing Chart



(a): 0.36 sec.
(b): 0.2 sec.
(c): 1.0 sec.