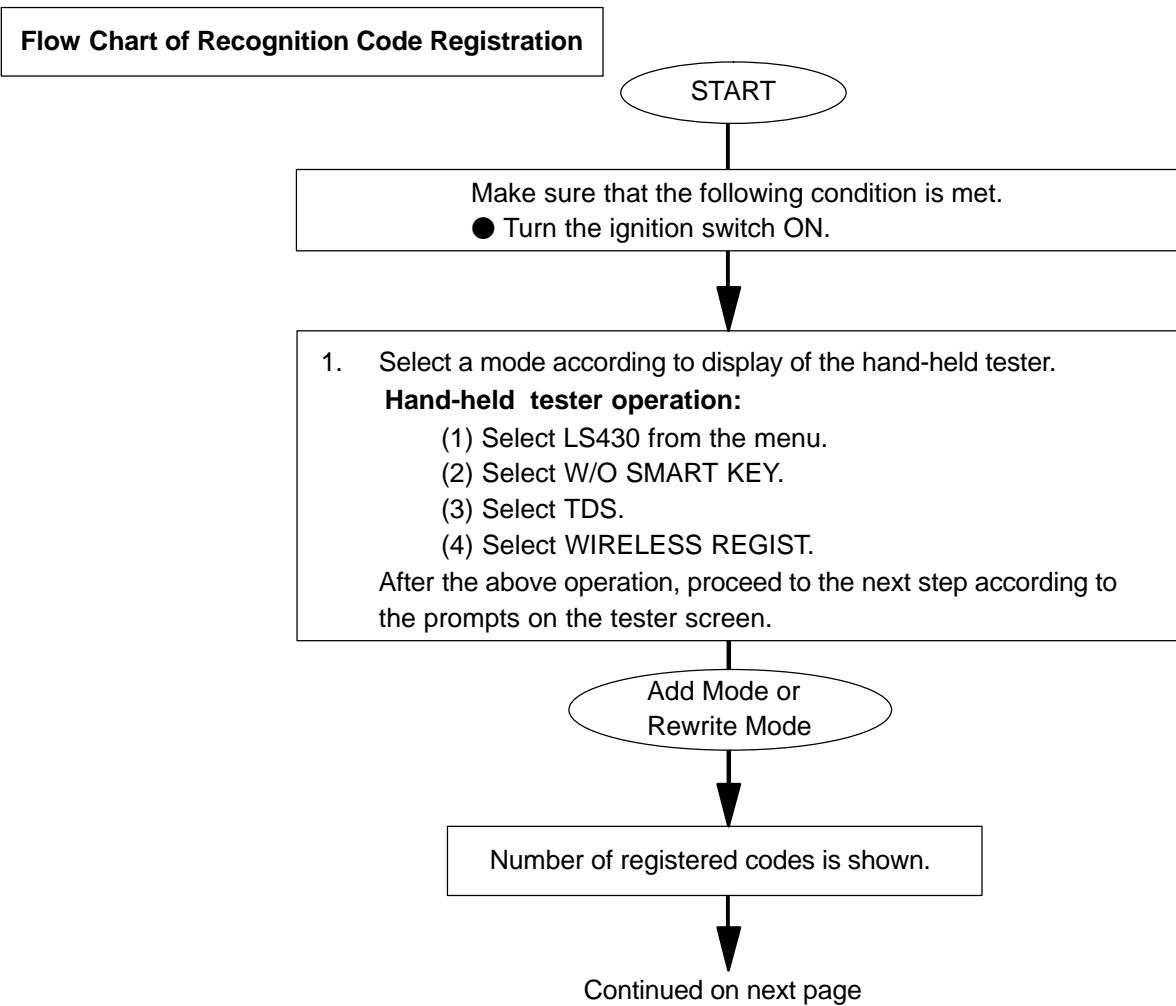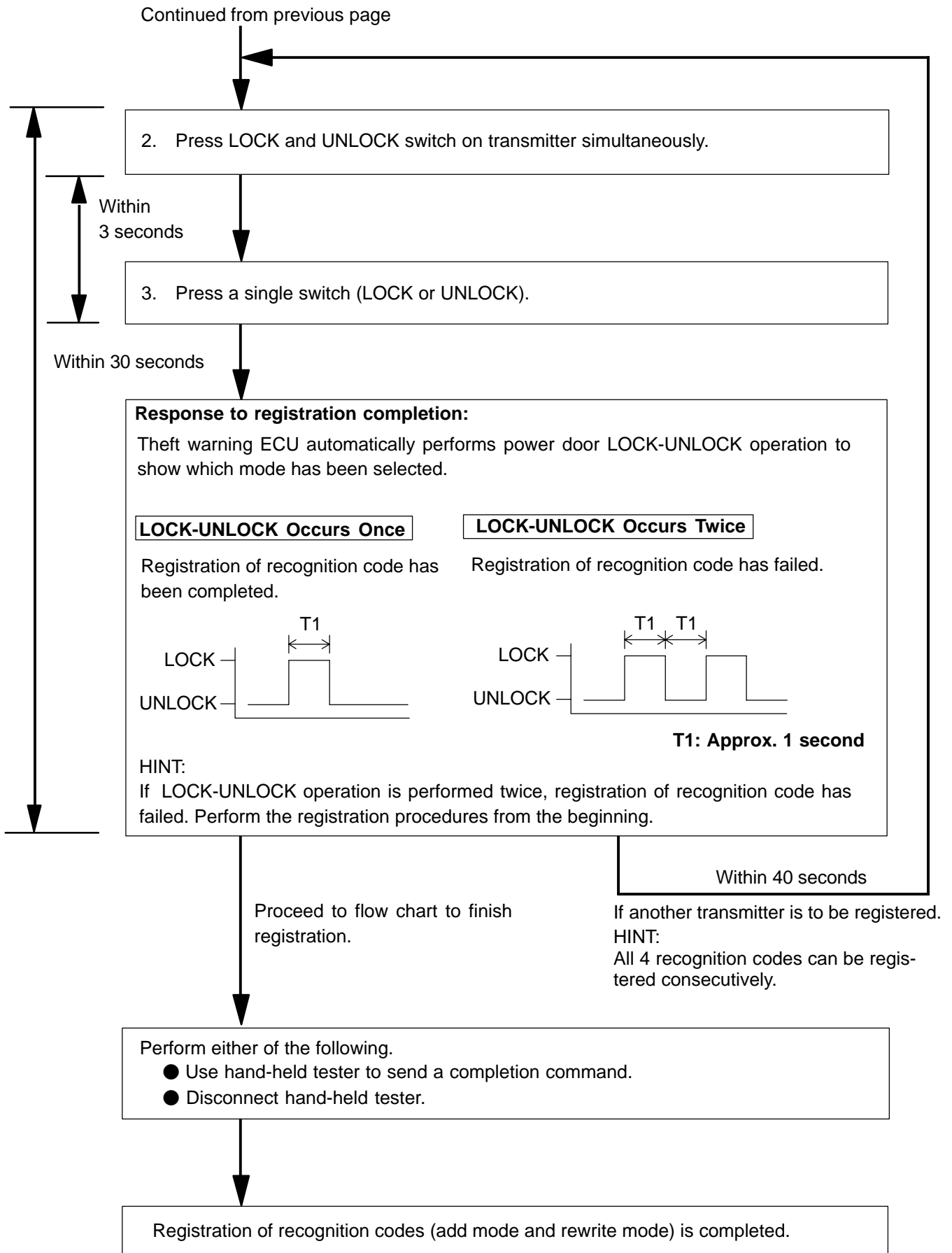# REGISTRATION

HINT:

- Recognition code registration is necessary when replacing the door control transmitter or the door control receiver. The key has 2 codes: the key code (immobilizer code) and wireless code. All of these code types need to be registered. Refer to page 05-2990 for the key code (immobilizer code) registration procedures.
- Add mode is used to register new recognition codes while still retaining codes already registered. This mode is used when a new transmitter is added. If the number of registered codes exceeds 4, the previously registered codes will be erased, starting from the first registered code.
- Rewrite mode is used to erase all the previously registered recognition codes in order to register all-new recognition codes. This mode is used when the transmitter or the door control receiver is replaced.
- Confirmation mode is used to confirm how many recognition codes have already been registered before another recognition code is registered.
- Prohibition mode is used to erase all the registered codes and disable the wireless door lock function. This mode is used when the transmitter is lost.
- All of the following registration procedures must be performed in order.

1. REGISTER RECOGNITION CODE
When using the hand-held tester

Flow Chart of Recognition Code Registration

START

Make sure that the following condition is met.
● Turn the ignition switch ON.

1. Select a mode according to display of the hand-held tester.
    Hand-held tester operation:
    (1) Select LS430 from the menu.
    (2) Select W/O SMART KEY.
    (3) Select TDS.
    (4) Select WIRELESS REGIST.
    After the above operation, proceed to the next step according to the prompts on the tester screen.

Add Mode or
Rewrite Mode

Number of registered codes is shown.

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2.   Press LOCK and UNLOCK switch on transmitter simultaneously.

Within
3 seconds

3.   Press a single switch (LOCK or UNLOCK).

Within 30 seconds

Response to registration completion:

Theft warning ECU automatically performs power door LOCK-UNLOCK operation to show which mode has been selected.

LOCK-UNLOCK Occurs Once	LOCK-UNLOCK Occurs Twice
Registration of recognition code has been completed.	Registration of recognition code has failed.

T1

LOCK

UNLOCK

T1   T1

LOCK

UNLOCK

T1: Approx. 1 second

HINT:
If LOCK-UNLOCK operation is performed twice, registration of recognition code has failed. Perform the registration procedures from the beginning.

Within 40 seconds

Proceed to flow chart to finish registration.

If another transmitter is to be registered.
HINT:
All 4 recognition codes can be registered consecutively.

Perform either of the following.
   ● Use hand-held tester to send a completion command.
   ● Disconnect hand-held tester.

Registration of recognition codes (add mode and rewrite mode) is completed.

Author :   **Date :**   **2830**

2. REGISTER RECOGNITION CODE
When not using the hand-held tester

Flow Chart of Recognition Code Registration

START

The following conditions should be met.
- No key in ignition key cylinder.
- Driver side door is opened (other doors are closed).
- Driver side door is unlocked.

Within 5 seconds

1. Insert key into ignition key cylinder, then pull it out.

2. Insert key into ignition key cylinder, then pull it out.

3. Close and open driver side door twice.

Within 40 seconds

4. Insert key into ignition key cylinder, then pull it out.

5. Close and open driver side door twice.

6. Insert key into ignition switch and close all doors.

Within 40 seconds

Continued on next page

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Mode Selection:

7. Turn ignition switch from LOCK to ON and back to LOCK at approximately 1 second intervals according to the number of times shown below.

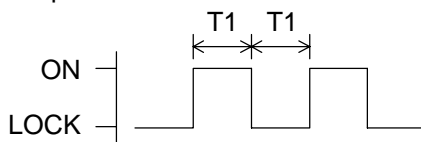**Number of ON-LOCK operations of ignition switch:**

Add Mode

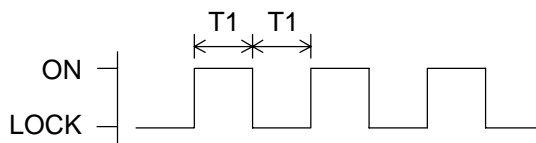ON-LOCK operation: Once　　　　　　　**T1: Approx. 1 second**

$$T1$$

ON
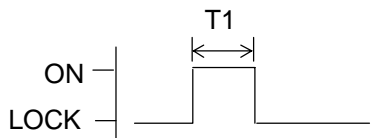
LOCK

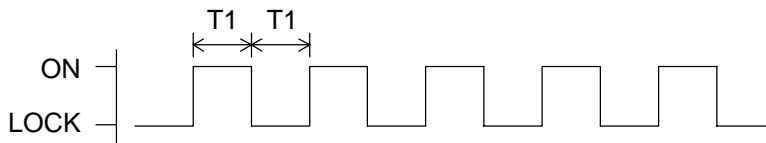Rewrite Mode

ON-LOCK operation: Twice

$$T1 \quad T1$$

ON

LOCK

Confirmation Mode

ON-LOCK operation: 3 times

$$T1 \quad T1$$

ON

LOCK

Prohibition Mode

ON-LOCK operation: 5 times

$$T1 \quad T1$$

ON

LOCK

If the number of ignition switch ON-LOCK operations 0, 4, 6 or more, there will be no response (power door lock and unlock operation) to show which mode has been selected.

Within 40 seconds

8. Remove key from ignition key cylinder.
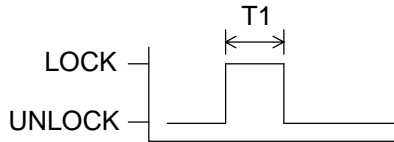
Within 3 seconds

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Within 3 seconds

Response to selected mode (Power door lock operation):

Theft warning ECU automatically performs power door LOCK-UNLOCK operation to inform which mode has been selected.
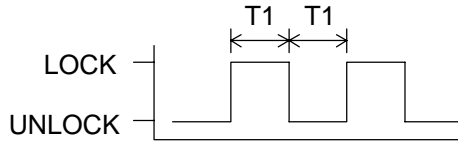
Add Mode

LOCK-UNLOCK operation: Once
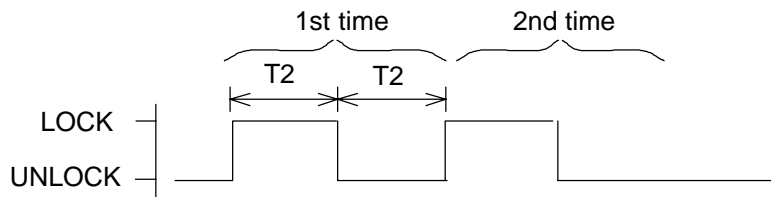
T1: Approx. 1 second
T2: Approx. 2 seconds

T1

LOCK

UNLOCK

Rewrite Mode

LOCK-UNLOCK operation: Twice

T1   T1

LOCK

UNLOCK

Confirmation Mode

LOCK-UNLOCK operation: The number of registered codes (1 to 5 times)

1st time   2nd time

T2   T2

LOCK

UNLOCK

Prohibition Mode

LOCK-UNLOCK operation: 5 times

T1   T1
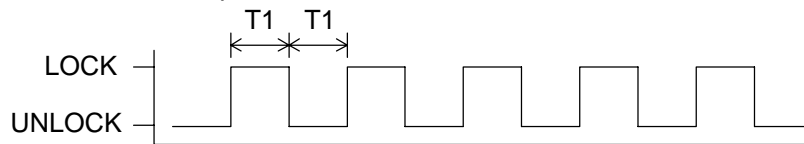
LOCK

UNLOCK

HINT:

● In confirmation mode, when LOCK/UNLOCK operation is performed twice, the number of registered recognition codes is 2.

● In confirmation mode, when 0 codes are registered, LOCK/UNLOCK operation is automatically performed 5 times.

Within 40 seconds

Add Mode or Rewrite Mode

Confirmation Mode and Prohibition Mode

Registration procedures are completed.

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Within
40 seconds

Within
5 seconds

Within
3 seconds

9. Press LOCK and UNLOCK switch on transmitter simultaneously.

10. Press a single switch (LOCK or UNLOCK).

Response to registration completion:

Theft warning ECU automatically performs power door LOCK-UNLOCK operation to show whether registration has been completed correctly or not.

LOCK-UNLOCK Occurs Once	LOCK-UNLOCK Occurs Twice
Registration of recognition code has been completed.	Registration of recognition code has failed.

T1

LOCK

UNLOCK

T1   T1

LOCK

UNLOCK

T1: Approx. 1 second

HINT:
If LOCK-UNLOCK operation is performed twice, registration of recognition code has failed. Perform the registration procedures from the beginning.

Proceed to flow chart to finish registration.

Within 40 seconds

If another transmitter is to be registered.
HINT:
All 4 recognition codes can be registered consecutively.

Perform either of the following.
 ● Open a door.
 ● Insert key into ignition key cylinder.

Registration of recognition codes (add mode and rewrite mode) is completed.