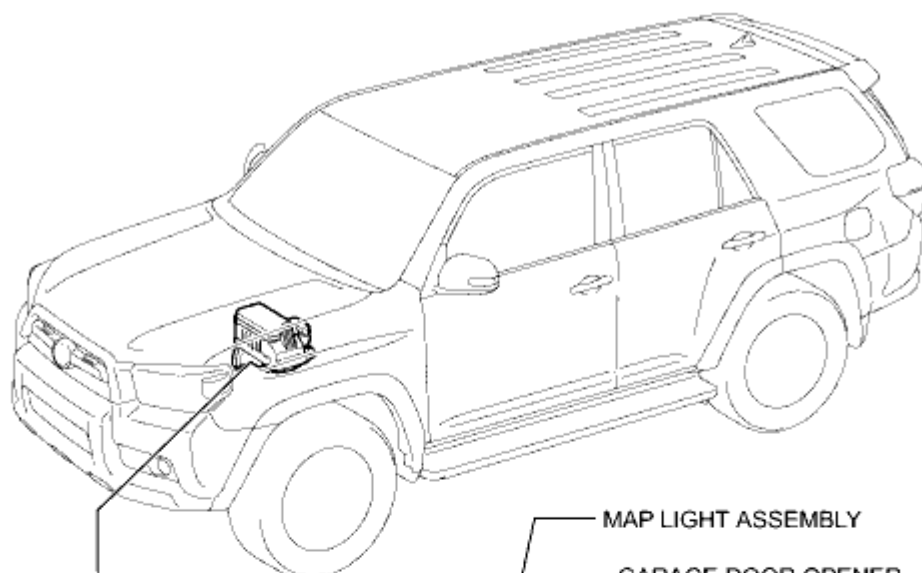


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<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002UMQ00NX
<b>Title:</b> GARAGE DOOR OPENER: GARAGE DOOR OPENER SYSTEM: PARTS LOCATION (2010 4Runner)		

## [PARTS LOCATION](#)

## [ILLUSTRATION](#)

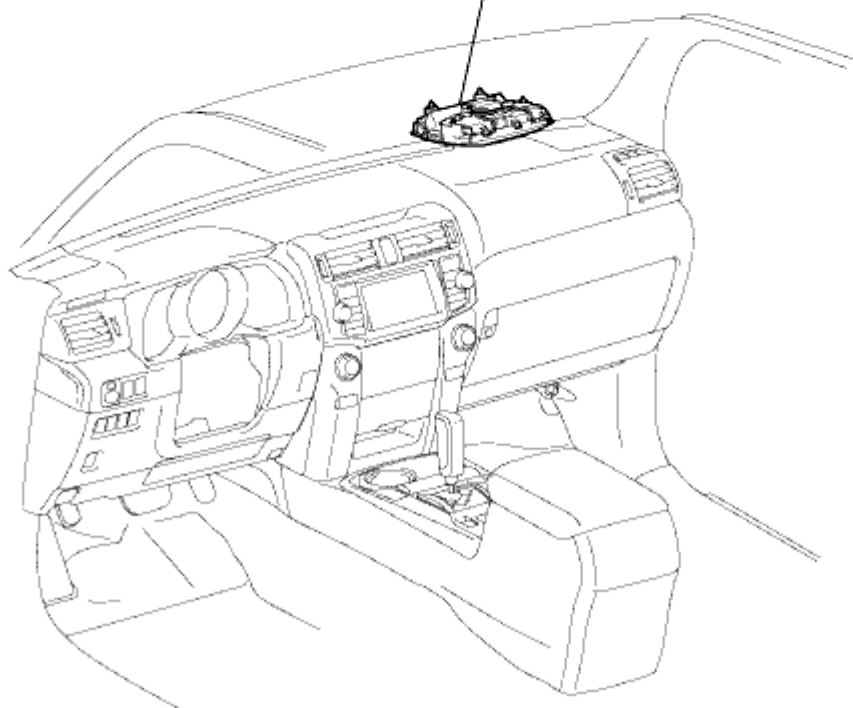


ENGINE ROOM RELAY BLOCK, JUNCTION BLOCK

- ECU-B1 FUSE

MAP LIGHT ASSEMBLY

- GARAGE DOOR OPENER



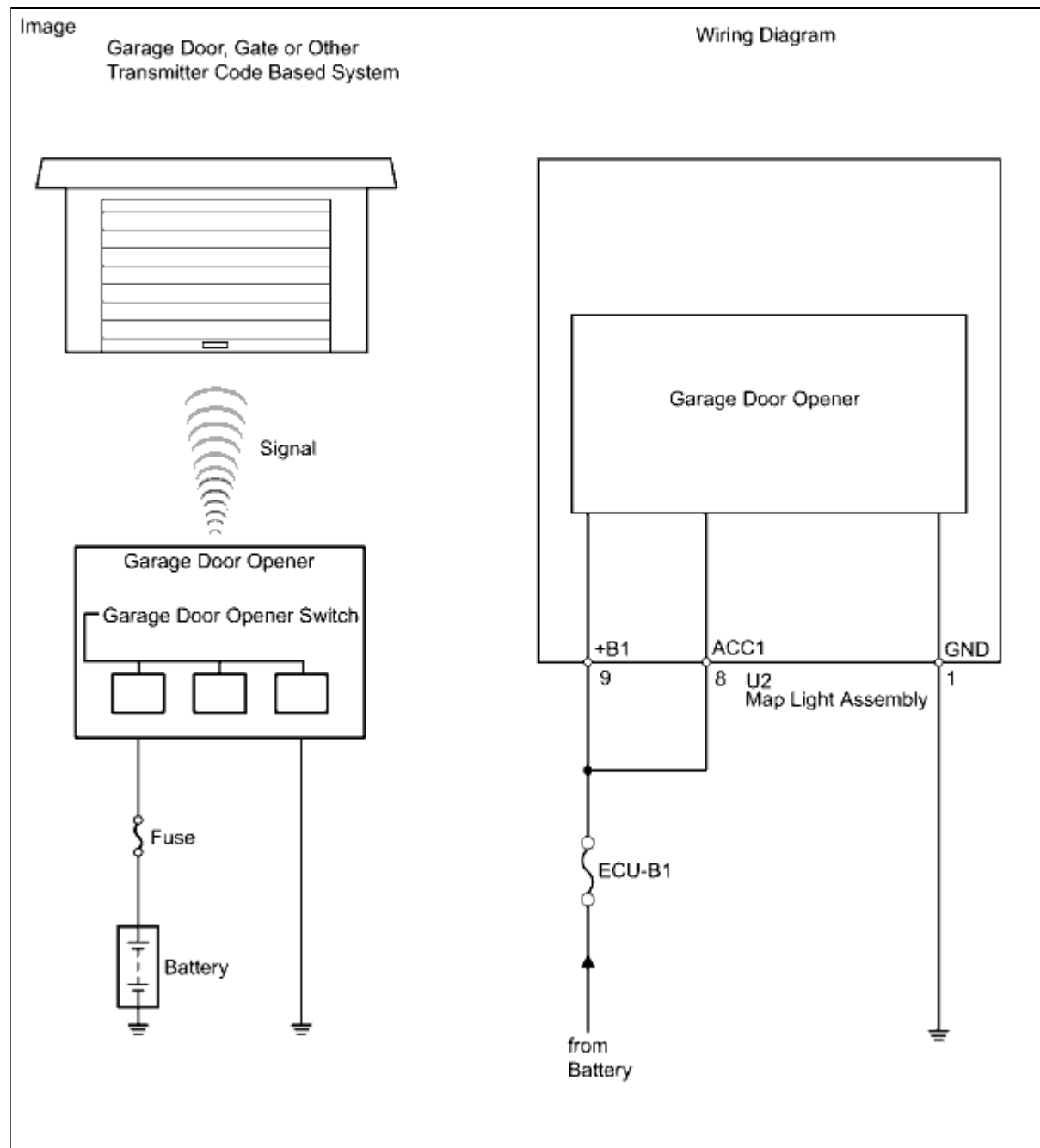
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<b>Last Modified:</b> 5-10-2010	6.4 U	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000000VRQ01AX
<b>Title:</b> GARAGE DOOR OPENER: GARAGE DOOR OPENER SYSTEM: SYSTEM DIAGRAM (2010 4Runner)		

## SYSTEM DIAGRAM



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<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002UMR00RX
<b>Title:</b> GARAGE DOOR OPENER: GARAGE DOOR OPENER SYSTEM: SYSTEM DESCRIPTION (2010 4Runner)		

## **SYSTEM DESCRIPTION**

### **1. DESCRIPTION**

- (a) A maximum of 3 kinds of transmitter code based systems (example: garage doors, gates and entry gates) can be registered with the vehicle garage door opener. After registration, the vehicle garage door opener can mimic the signal of the transmitter systems and the original transmitters of each transmitter system are not needed.



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<b>Title:</b> GARAGE DOOR OPENER: GARAGE DOOR OPENER SYSTEM: REGISTRATION (2010 4Runner)		

## **REGISTRATION**

### **1. REGISTER TRANSMITTER CODE**

#### **HINT:**

- The vehicle garage door opener records transmitter codes for systems such as garage doors, gates, entry gates, door locks, home lighting systems, security systems or other transmitter code based systems.
- The garage door opener is built into the map light assembly. If replacing the map light assembly, transmitter codes for any systems previously registered in the garage door opener must be reregistered.

(a) Reregister systems in the garage door opener registration mode.

#### **CAUTION:**

**Do not perform transmitter code registration for a system if people or objects are near the system. When registering transmitter codes for a system, injury or damage can occur because the system may open, close, unlock or otherwise operate.**

#### **NOTICE:**

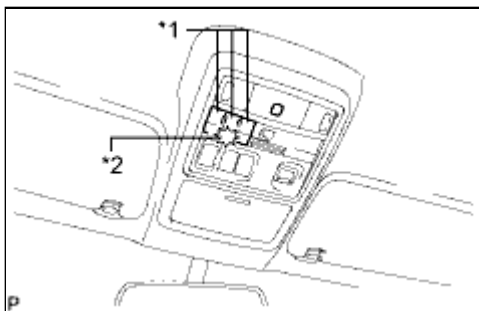
- Before transmitter code registration, confirm that all the electrical systems (headlight, blower motor, rear defogger, etc.) are turned off and no key is in the vehicle.
- The garage door opener cannot be used with systems that: 1) were manufactured before April 1, 1982; or 2) do not meet Federal Standards (for example, garage doors without a jam protection function).

#### **HINT:**

- 3 transmitter codes can be registered with the garage door opener, one transmitter code for each of the 3 garage door opener switches.
- Disconnecting the battery will not clear the transmitter codes registered with the garage door opener.
- An attempt to overwrite a previously registered transmitter code with a transmitter code of a new system may fail. In this situation, the previously registered transmitter code will not be cleared.

(1) Select a garage door opener switch for transmitter code registration.

(2) Press and hold the selected switch for 20 seconds. The garage door opener will enter registration mode.



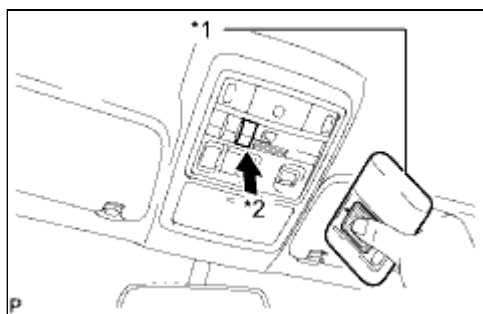
### **Text in Illustration**

* 1	These Switches
* 2	LED

### **HINT:**

Before entering registration mode, the LED illuminates. After entering registration mode, the LED flashes at a cycle of 1 Hz (slowly). For a "rolling code" type system, after entering registration mode, the LED flashes at a cycle of 8.8 Hz (very rapidly) for 1.6 seconds, and then the LED flashes at a cycle of 1 Hz.

## **Text in Illustration**



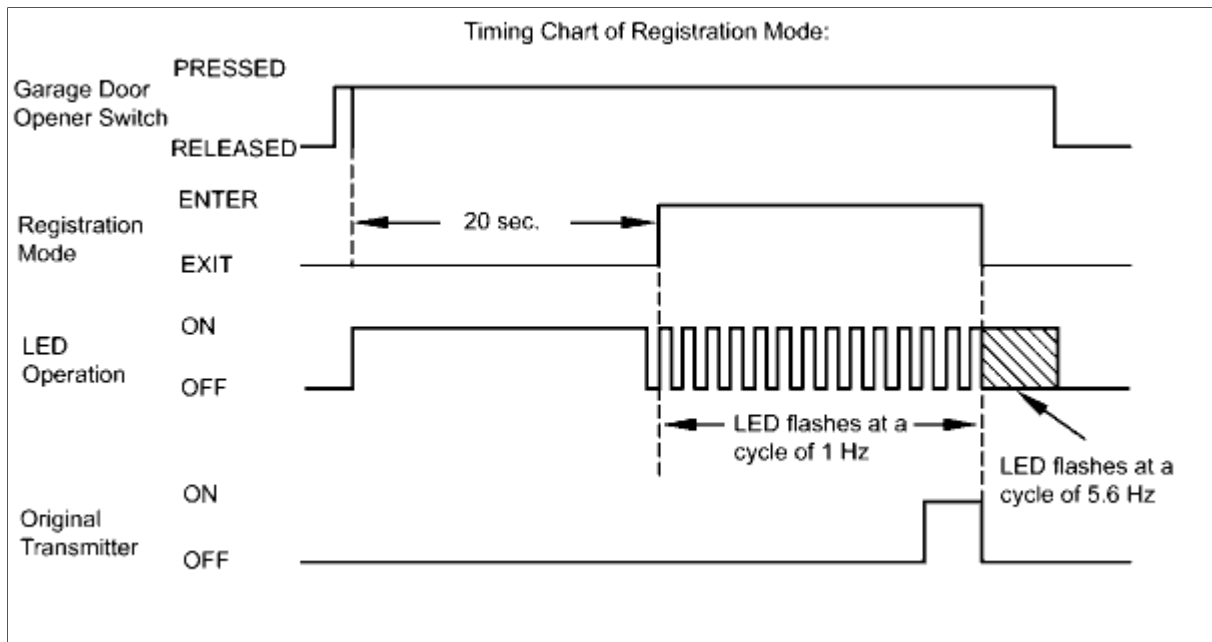
* 1	Original Transmitter
* 2	Press

(3) After the garage door opener has entered registration mode, bring the original transmitter of the system to be registered within 1 to 3 inches of the garage door opener, and press and hold one of the garage door opener switches. Then press the original transmitter switch.

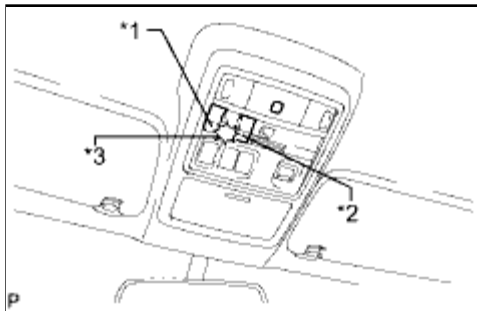
(4) If the transmitter code registration was successful, the LED of the garage door opener flashes at a cycle of 5.6 Hz (rapidly). If no malfunction occurs, release both the garage door opener switch and original transmitter switch.

### **HINT:**

- If transmitter code registration fails: 1) the original transmitter battery may be low or need to be replaced, or 2) the system you are trying to register may not be compatible with the garage door opener.
- Some transmitter signals stop after 1 to 2 seconds. For these types of transmitters: 1) press and hold one of the garage door opener switches, and 2) press and release (cycle) the transmitter switch every 2 seconds. Check if the transmitter code was successfully registered.
- After entering the garage door opener registration mode, transmitter code registration must be completed within 90 seconds. If 90 seconds elapse, the garage door opener will enter low power mode (refer to "Low Power Mode" below).



(b) Clear transmitter codes in the garage door opener clear mode.



**Text in Illustration**

*1	Switch 1
*2	Switch 3
*3	LED

### **HINT:**

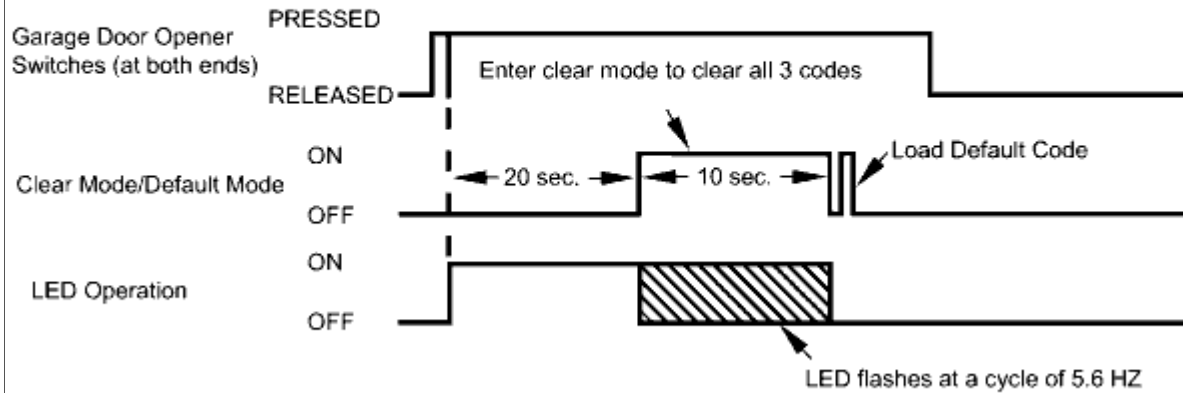
**All 3 registered transmitter codes will be cleared. No option exists for only erasing one transmitter code.**

(1) Press and hold the left and right switches of the garage door opener for 20 seconds. The LED will begin to flash at a cycle of 5.6 Hz. Releasing the switches will end clear mode.

### **HINT:**

- If the switches are released within 10 seconds after the transmitter codes have been cleared, the garage door opener will enter registration mode.
- If the switches are held for 10 seconds or more after the transmitter codes have been cleared, default codes will be set to the switches of the garage door opener. Using these default codes, operation of the garage door opener can be checked using a tester.

Timing Chart of Clear Mode:



(c) Low power mode:

- (1) If a garage door opener switch is held for 100 seconds or more, the garage door opener will enter low power mode to reduce power consumption. When the garage door opener has entered low power mode, the LED turns off.



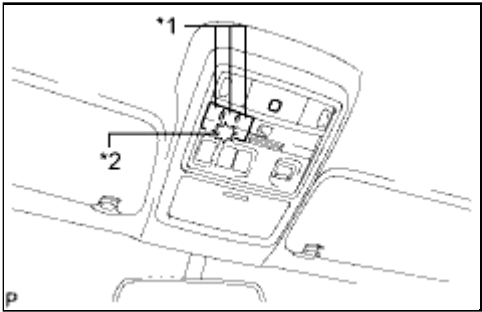
TOYOTA




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<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000000VRP01TX
<b>Title:</b> GARAGE DOOR OPENER: GARAGE DOOR OPENER SYSTEM: ON-VEHICLE INSPECTION (2010 4Runner)		

ON-VEHICLE INSPECTION

1. INSPECT GARAGE DOOR OPENER



(a) Press each switch and check that the red LED turns on. If one or more of the switches does not turn on the LED, confirm normal operation of the fuse and wire harness. If the fuse and wire harness are malfunctioning, replace them. If not, replace the garage door opener (map light assembly)  .

Text in Illustration

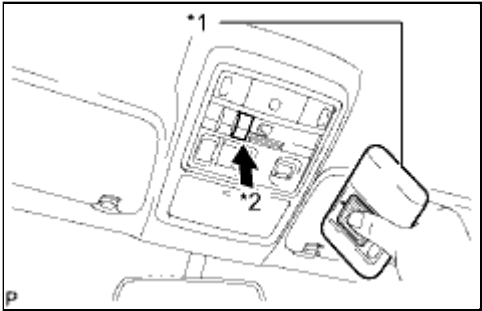
* 1	These Switches
* 2	LED

2. INSPECT GARAGE DOOR OPENER REGISTRATION AND TRANSMITTING


HINT:

Use the "HomeLink" tester and a tester transmitter for this test. First clear the customer transmitter code, and then register the tester transmitter code.

(a) Check if the test transmitter code was successfully registered.



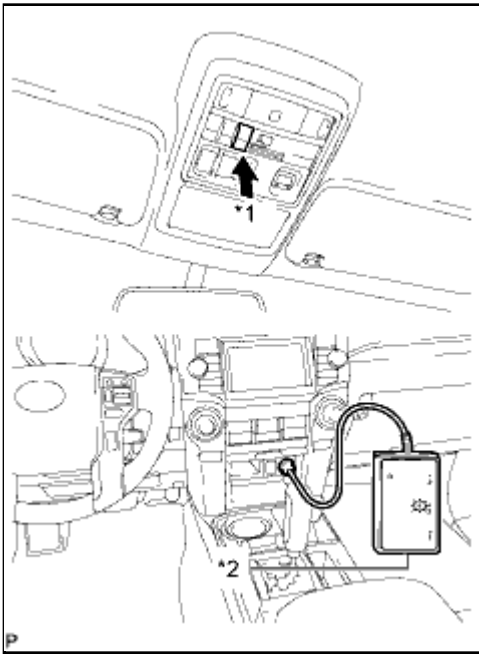
HINT:

If the code cannot be registered, replace the garage door opener (map light assembly)  .

Text in Illustration


* 1	Test Transmitter
* 2	Press

(b) Press the garage door opener switch that was registered



to the tester transmitter. Check if the green LED of the "HomeLink" tester illuminates.

**HINT:**

If the green LED does not illuminate, replace the garage door opener (map light assembly)  .

(c) When the inspection is complete, register the customer transmitter code(s) again.

**HINT:**

- Registration of the customer transmitter code(s) may not be possible in the service facility if the transmitters of the customer are not available or if any of the buttons are used for rolling code-type systems.
- Refer to the Owner's Manual for additional information about registration (programming) of transmitter codes.

**Text in Illustration**

* 1	Press
* 2	"HomeLink" Testre