

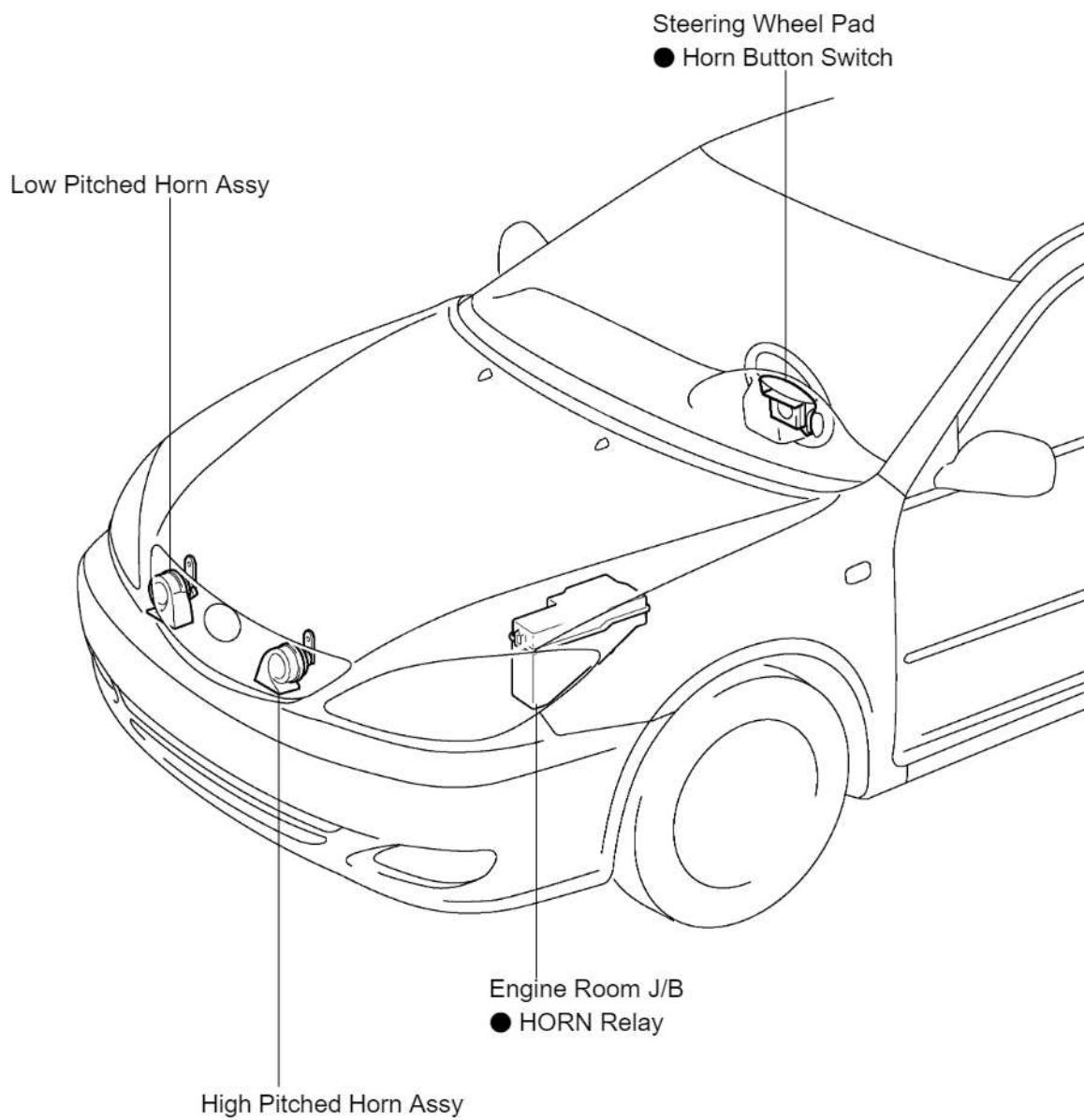
HORN SYSTEM

PROBLEM SYMPTOMS TABLE

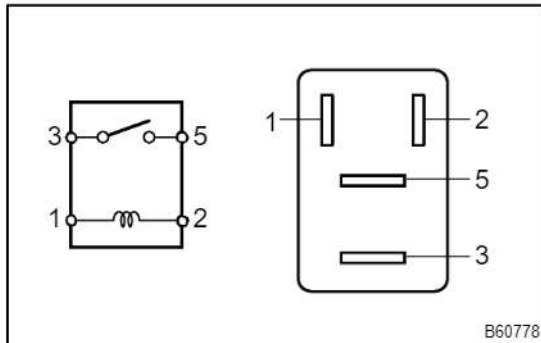
6902L-06

Symptom	Suspected Area	See Page
Horn does not sound.	1. Horn button switch	-
	2. High pitched horn	-
	3. Low pitched horn	-
	4. HORN relay	69-3
	5. Wire harness	-

LOCATION



INSPECTION



1. INSPECT RELAY (HORN)

- Remove the HORN relay from the engine room R/B.
- Check the HORN relay resistance.

Standard:

Tester Connection	Specified Condition
3 – 5	1 k Ω or higher
3 – 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

If the result is not as specified, replace the relay.

HORN ASSY

REPLACEMENT

69090-01

1. REMOVE HIGH PITCHED HORN ASSY

- (a) Disconnect the connector.
- (b) Remove the bolt and horn.

2. REMOVE LOW PITCHED HORN ASSY

- (a) Disconnect the connector.
- (b) Remove the bolt and horn.

3. INSTALL HIGH PITCHED HORN ASSY

- (a) Place the stay onto the baffle part in the radiator support upper. Then install the horn with the bolt.
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)
- (b) Connect the connector.

4. INSTALL LOW PITCHED HORN ASSY

- (a) Place the stay onto the baffle part in the radiator support upper. Then install the horn with the bolt.
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)
- (b) Connect the connector.

GARAGE DOOR OPENER SYSTEM

REGISTRATION

69059-01

1. NEW CODE REGISTRATION

HINT:

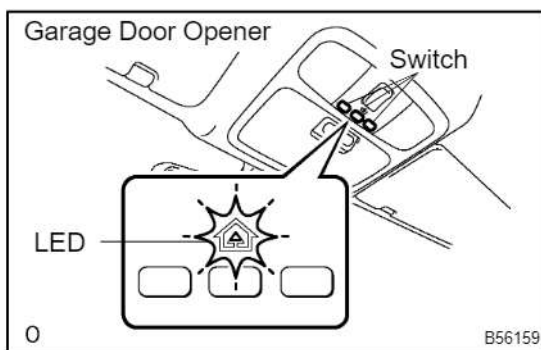
- The garage door opener is built in the map lamp assy. When transmitter codes for garage door, gate, entry gate, door lock, home lighting system or security system are registered with the garage door opener, be sure to register them again whenever replacing the map lamp assy.
- After the map lamp assy has been replaced, register transmitter codes with the garage door opener (Registration mode).

NOTICE:

- While the transmitter code for a system (garage, door, gate, etc.) is being registered, the system may operate. During code registration and while the system is in operation, be sure that no people or objects are in the way.
- Be sure to stop the engine and remove the key from the ignition switch before transmitter code registration.
- The garage door opener does not apply to systems manufactured before April 1, 1982 and systems that do not comply with the Federal Safety Standards.
- Garage doors without a jam protection function do not meet the Federal Safety Standards.

HINT:

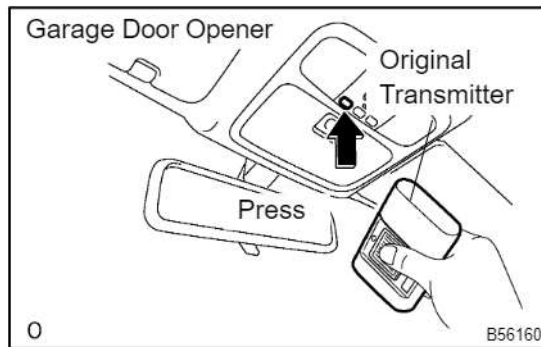
- Every one of the garage door opener switches can have only one transmitter code; total 3 transmitter codes can be registered with the garage door opener.
- Even if the battery is disconnected, transmitter codes registered with the garage door opener will not be erased.
- Even if you attempt to rewrite the transmitter code registered with the garage door opener and the attempt has failed, the registered transmitter code will not be erased.



- (a) Select a switch of the garage door opener for transmitter code registration.
- (b) Press and hold the selected switch for 20 seconds. Then, the garage door opener enters registration mode.

HINT:

When the garage door opener is in registration mode, the LED changes from ON to flashing at a cycle of 1 Hz. (In the case of the "rolling code" type, the LED will flash at a cycle of 8.8 Hz for 1.6 seconds at first and then change the flash cycle to 1 Hz after the garage door opener has entered registration mode.)

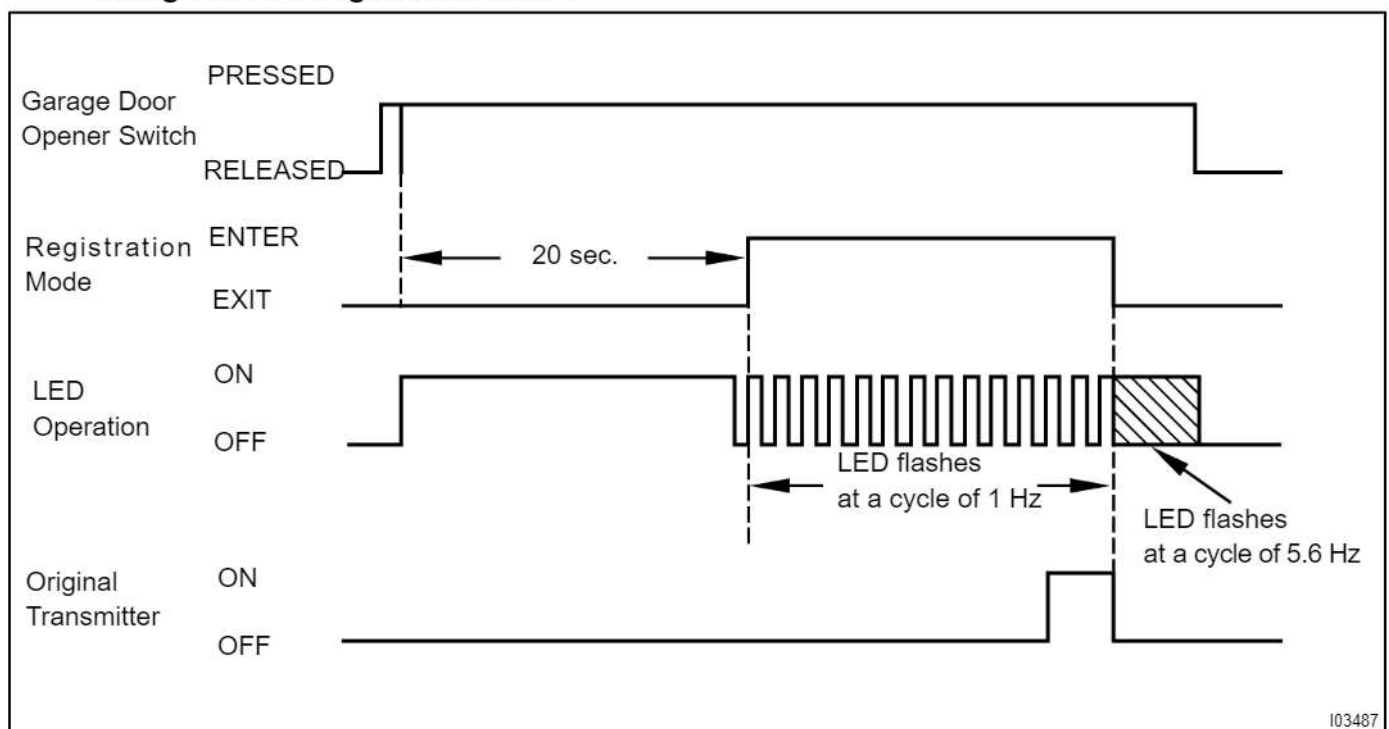


- (c) After the garage door opener has entered registration mode, bring the original transmitter of the system within 1-inch of the garage door opener while pressing the switch of the garage door opener. Under this condition, press the original transmitter.
- (d) When the transmitter code registration has been completed correctly, the LED of the garage door opener flashes at a cycle of 5.6 Hz. When this happens, release both the switch and the original transmitter.

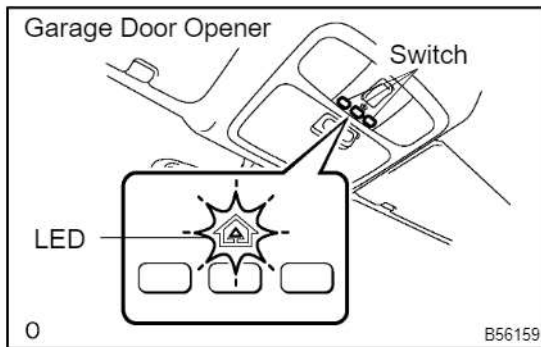
HINT:

- If the code registration has failed, the battery of the original transmitter may be weak or the system may not meet the garage door opener. In this case, press the original transmitter repeatedly. Some transmitters may need 1 to 2 seconds to stop transmitting signals.
- If the transmitter code registration has not been completed in 90 seconds after the garage door opener has entered registration mode, the garage door opener will enter low power mode (See step c).

Timing Chart of Registration Mode:



103487



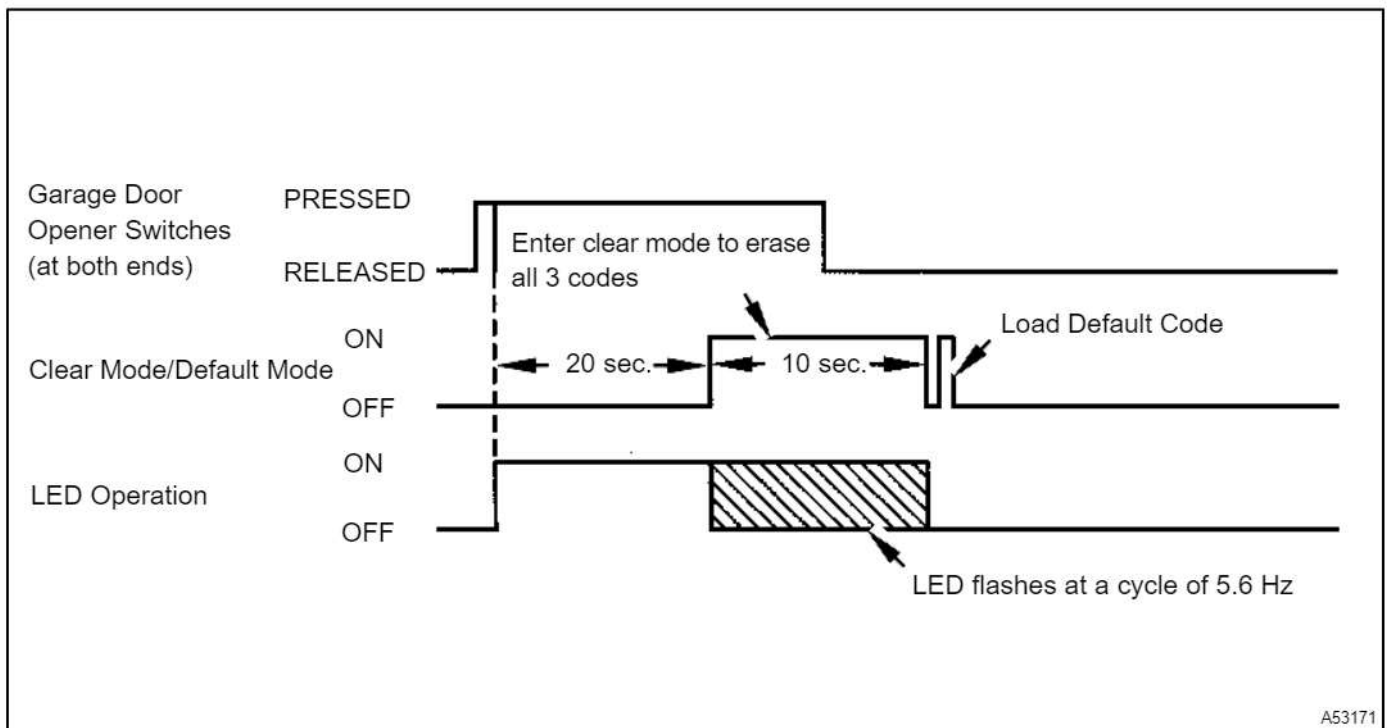
2. Erase the transmitter codes (Clear mode).

HINT:

- All the transmitter codes registered in the garage door opener are erased at the same time (maximum 3 codes).
- If the switches are released within 10 seconds after the transmitter codes have been erased, the garage door opener will enter registration mode.
- If the switches are held for 10 seconds or more after the transmitter codes have been erased, default codes will be set to all the 3 switches of the garage door opener. With this default code, you can check operation of the garage door opener using a tester.

- (a) Press and hold the 2 switches at both ends of the garage door opener simultaneously for 20 seconds. Then, the LED starts flashing at a cycle of 5.6 Hz. Releasing the switches will end clear mode.

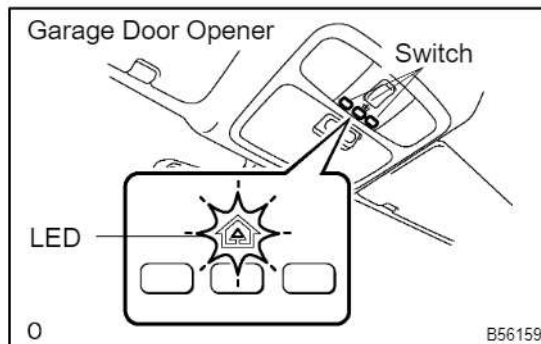
Timing Chart of Clear Mode:



3. Low power mode:

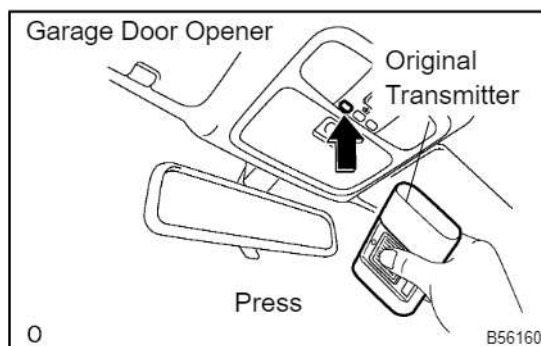
- (a) If the switch of the garage door opener is held for 100 seconds or more, the garage door opener will enter low power mode to economize the power consumption. When the garage door opener has entered low power mode, the LED goes off.

INSPECTION



1. INSPECT GARAGE DOOR OPENER

- (a) Press the switch and check that each LED (red) lights up. Even if only one switch is found not to light up, replace it.



2. INSPECT GARAGE DOOR OPENER REGISTRATION AND TRANSMITTING

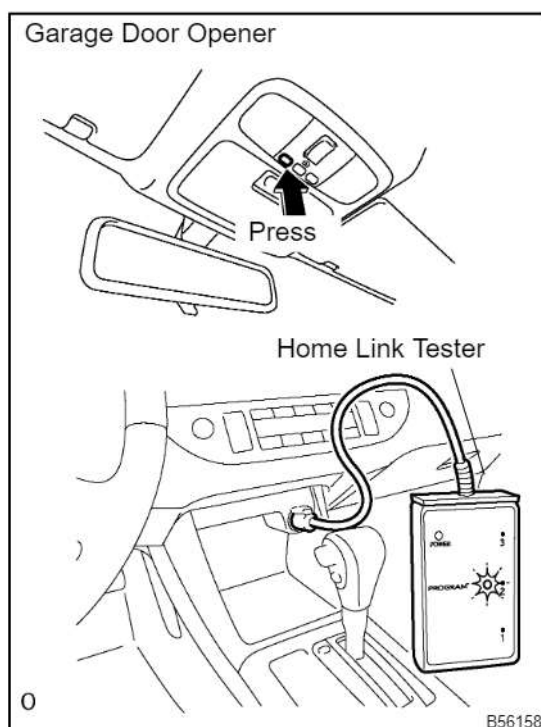
HINT:

Use the home link tester made by KENT MORE for this test. As it is necessary to register the transmitter code of the home link tester, erase the customer's code. When the inspection completes, please register the customer's code again.

- (a) Register the transmitter code of the home link tester for inspection (See page 69-5 for further details).

HINT:

If the transmitter code can not be registered, replace the garage door opener.



- (b) Press the switch in which an inspection code has been registered and check that the LED (green) of the home link tester lights up.

HINT:

If the LED (green) does not light up, replace the garage door opener.