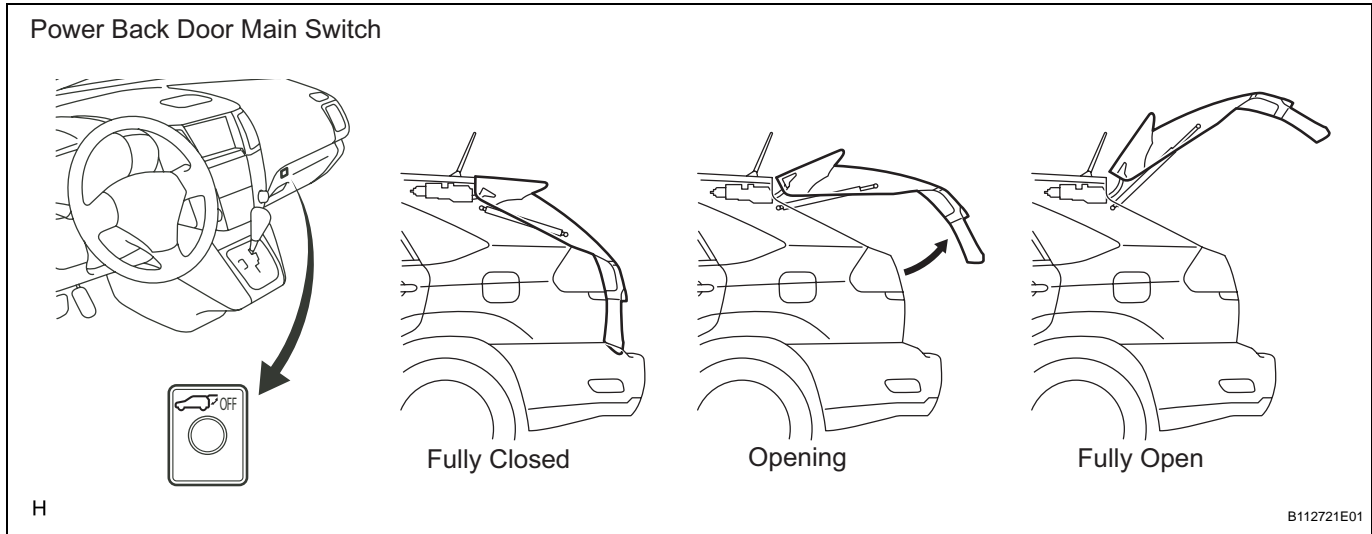


OPERATION CHECK

NOTICE:

Inspection should be started after conforming that the items listed in the **CUSTOMIZE PARAMETER** for the power back door system have defaulted to the initial settings (See page [ED-32](#)).

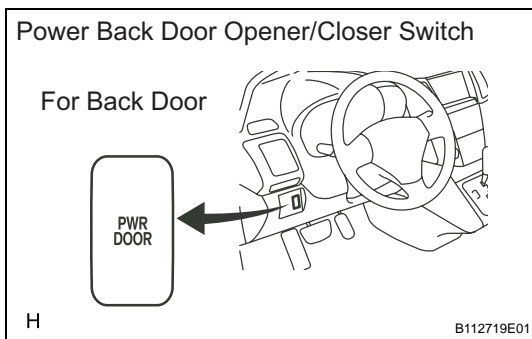
1. CHECK OPENING OPERATION

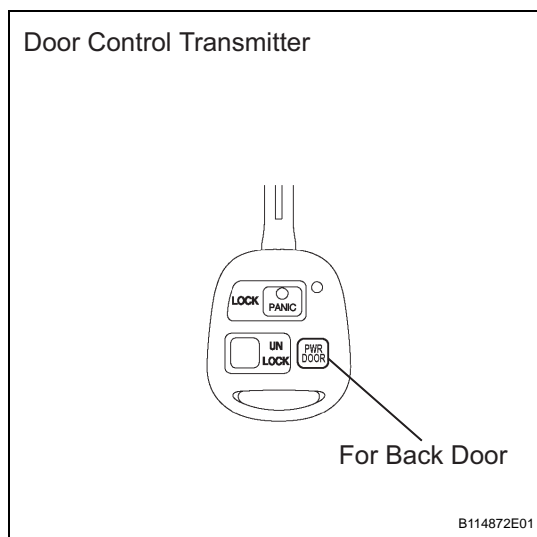


HINT:

The power back door stops opening at the specified position slightly short of the fully open position from where the damper stay allows the back door to move to the fully open position.

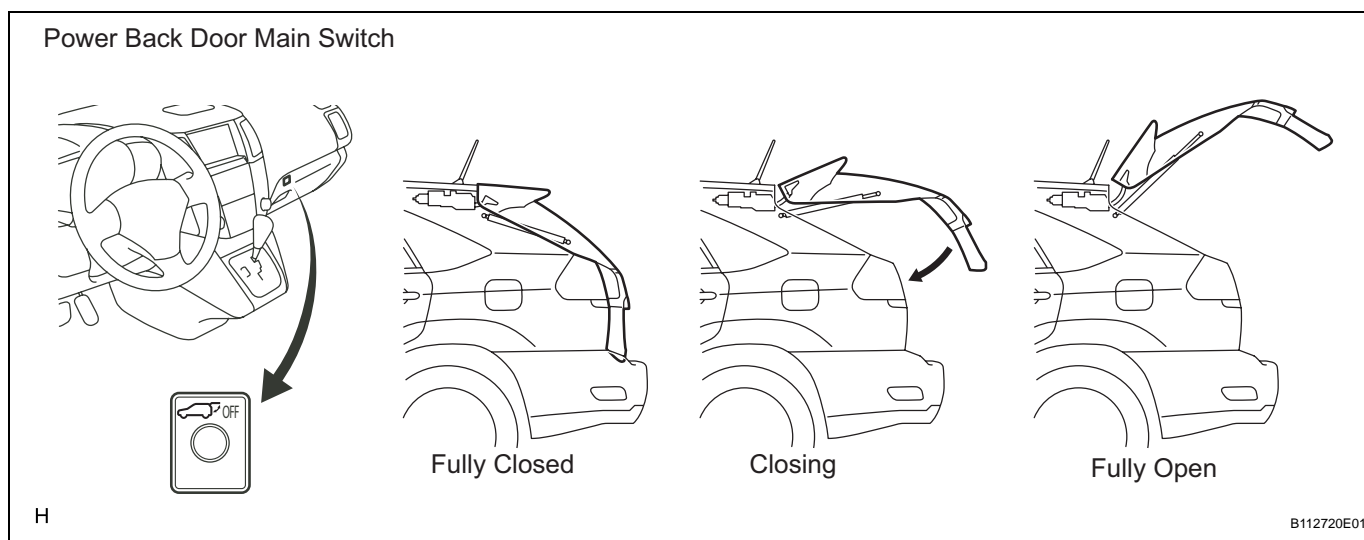
- (a) Conditions necessary for the power back door to open:
- (1) Power back door main switch is in the ON position.
 - (2) Back door is positioned between the fully closed position and the half-open position (When the back door is fully closed, the door must be unlocked).
 - (3) Shift lever is in the P position when the ignition switch is ON (When the ignition switch is off, power back door can operate with the shift lever in any position).
 - (4) No key is inserted into the ignition key cylinder when the transmitter is used.
- (b) Check the power back door opener/closer switch.
- (1) Check that the power back door is unlatched and then opens when the switch has been pressed for more than 0.8 seconds.
 - (2) Check that the power back door reverses operation and moves to the fully closed position when the switch is pressed again during opening.





- (c) Check the transmitter switch for the power back door.
- (1) Check that the power back door is unlatched and then opens when the switch has been pressed for more than 0.8 seconds.
 - (2) Check that the power back door reverses operation and moves to the fully closed position when the switch is pressed again during opening.
- (d) Check the back door opener switch for the power back door.
- (1) Check that the back door reverses operation and moves to the fully closed position when the back door opener switch is pressed during opening.

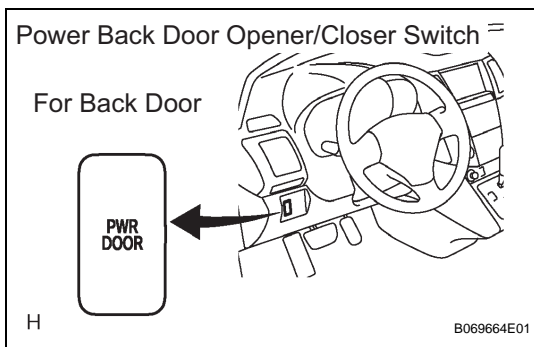
2. CHECK CLOSING OPERATION



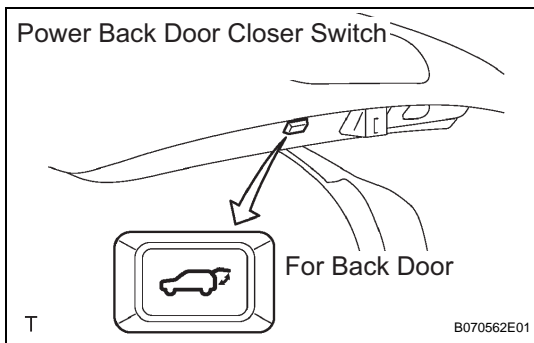
HINT:

The power back door stops closing at the specified position slightly short of the fully closed position from where the back door closer system is activated to completely close the back door.

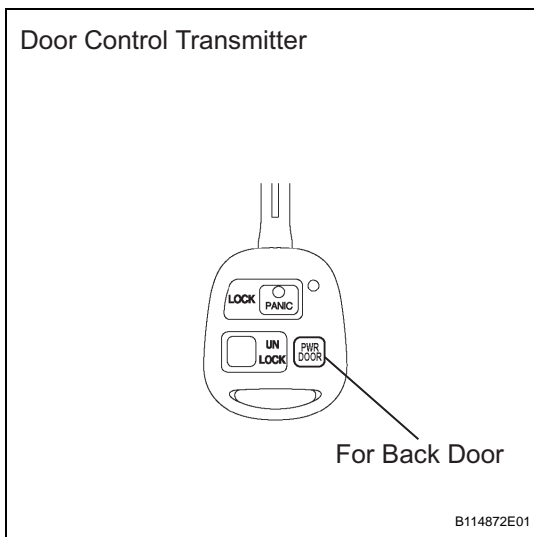
- (a) Conditions necessary for the power back door to close:
- (1) Power back door main switch is in the ON position.
 - (2) Back door is positioned between the fully open position and the half-open position.
 - (3) No key is inserted into the ignition key cylinder when the transmitter is used.



- (b) Check the power back door opener/closer switch.
- (1) Check that the power back door closes when the switch has been pressed.
 - (2) Check that the power back door reverses operation and moves to the fully open position when the switch is pressed again during closing.



- (c) Check the power back door closer switch.
- (1) Check that the power back door closes when the switch has been pressed for more than 0.8 seconds.
 - (2) Check that the power back door reverses operation and moves to the fully open position when the switch is pressed again during closing.



- (d) Check the transmitter switch for the power back door.
- (1) Check that the power back door closes when the switch has been pressed for more than 0.8 seconds.
 - (2) Check that the power back door reverses operation and moves to the fully open position when the switch is pressed again during closing.
- (e) Check the back door opener switch for the power back door.
- (1) Check that the power back door reverses operation and moves to the fully open position when the back door opener switch is pressed during closing.

3. CHECK JAM PROTECTION FUNCTION

HINT:

- The power back door drive unit detects changes in the operating speed of the back door while the power back door is moving. If a change in the operating speed is out of the normal range, it will be judged that foreign objects are detected in the direction that the power back door is moving and the movement will be reversed.
- When the power back door touch sensors built into the both sides of the back door are compressed, it is judged that foreign objects are detected in the direction that the power back door is moving and the power back door will reverse the movement.
- The power back door touch sensor operates only while the back door is closing. It does not operate while the back door is opening.

- (a) [*1] Check the jam protection function while the power back door is closing.

NOTICE:

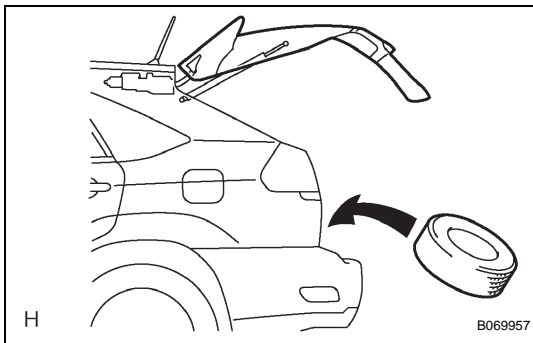
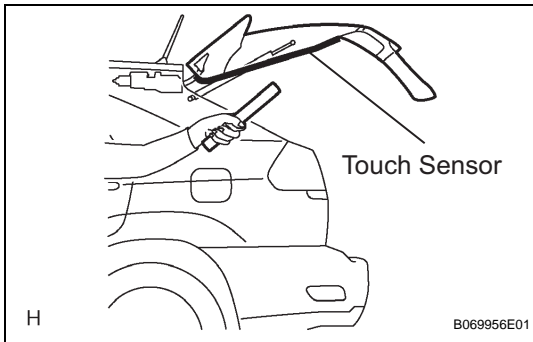
Do not check this function using a part of your body such as a hand. Also, pay thorough attention that nothing gets caught by accident in this process.

- (1) Fully open the back door.
 (2) [*2] Press the switch to activate the power back door to close, and perform steps [*3] and [*5], and steps [*4] and [*5] respectively.

- (3) [*3] While the back door is closing, press the touch sensor using the handle of a hammer or equivalent, as shown in the illustration.

HINT:

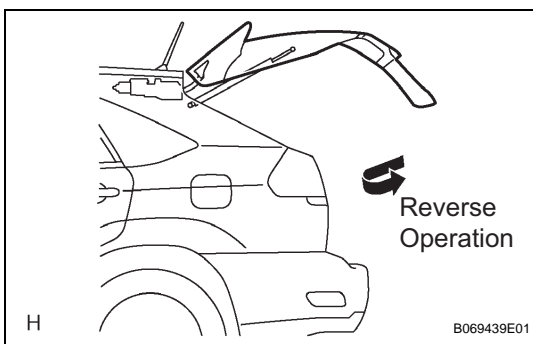
After this step, skip step [*4] and go to step [*5].



- (4) [*4] While the back door is closing, insert a tire or equivalent between the door panel and vehicle body, as shown in the illustration, in order to interrupt closing operation.

HINT:

After step [*2], skip step [*3] and perform this step. Then, go to step [*5].



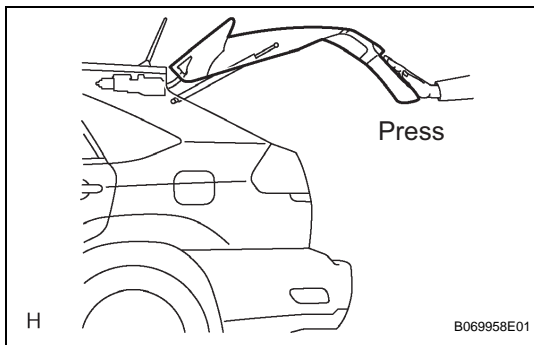
- (5) [*5] Check that the jam protection function is immediately activated and the power back door reverses operation to the fully open position.

- (b) [*6] Check the jam protection function while the power back door is opening.

NOTICE:

Pay thorough attention that your body or your cloth, etc. does not get involved with by accident in this process.

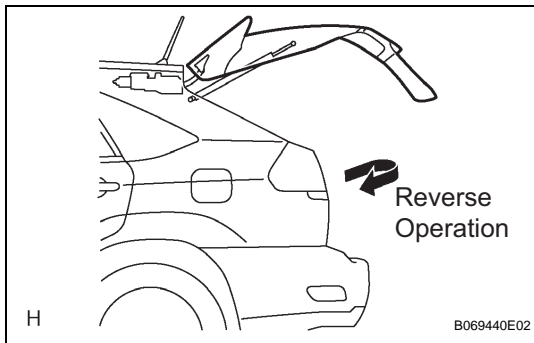
- (1) Fully close the back door.
 (2) Press the switch activate the power back door to open.



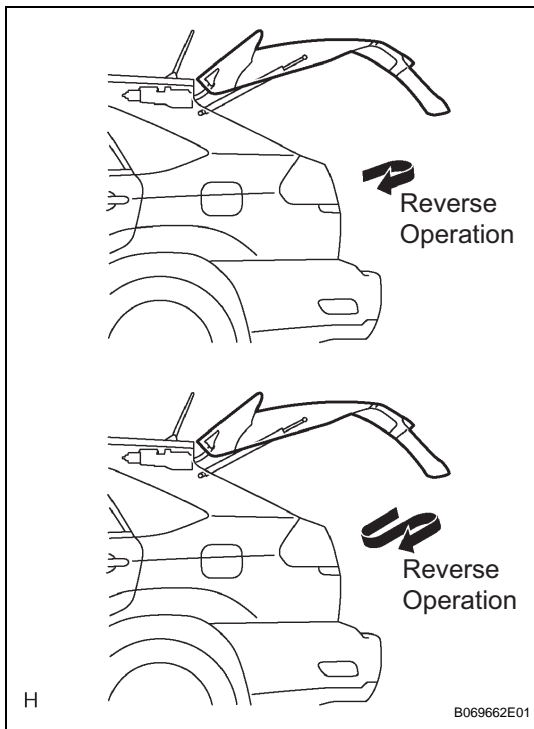
- (3) While the back door is opening, press, by hand, the outside surface of the back door panel that is moving so that the operating speed decreases, as shown in the illustration.

NOTICE:

Pay thorough attention that your body or your cloth, etc. does not get involved with by accident in this process.



- (4) Check that the jam protection function is immediately activated and the power back door reverses operation to the fully closed position.



- (c) Check operation of the power back door when the jam protection function is consecutively activated.
- (1) Check that power back door operation is cancelled and switched to manual operation mode (not electrically controlled) when the jam protection function has been activated 2 or more consecutive times and when the 2nd or most recent activation has occurred during closing.

HINT:

Refer to steps [*1] and [*6] for the method that activates the jam protection function.

NOTICE:

In order to restore the power back door system to normal operation mode, perform either of the following: manually close the back door fully or press the power back door opener/closer switch for the power back door.

4. CHECK WARNING BUZZER

- (a) Check the warning buzzer sounding function that notifies that the power back door is open or opens while the vehicle is moving (when the shift lever is moved into any position except P).
- (1) While the back door is open, check that the warning buzzer sounds at a cycle of 0.3 seconds if the shift lever is moved into any position except P with the ignition switch ON.

- (2) Turn the ignition switch ON and move the shift lever into any position except P. Check that the warning buzzer sounds at a cycle of 0.3 seconds when the power back door system is activated to open using the transmitter switch and power back door opener/closer switch.
- (3) Check that the warning buzzer stops sounding when the back door is fully closed or the shift lever is moved into the P position.
- (4) Check that the buzzer sounds once for 0.3 seconds to notify that the power back door reverses moving direction, which is caused by switch operation or activation of the jam protection function during power back door operation.

HINT:

The power back door system turns OFF when the shift lever is moved into any position except P while the power back door is opening. The power back door continues to close when the shift lever is moved into any position except P while the power back door is closing

- (b) Check that the warning buzzer and hazard lights that notify the start of opening/closing of the power back door.
 - (1) Check that the warning buzzer sounds at 2 cycles of 0.5 seconds and hazard lights flash twice when the power back door is activated to open/close.

HINT:

At the start of opening/closing of the power back door, the wireless door lock buzzer (built into the engine room) also sounds.