BE1F0–01

PRE–CHECK

Only wireless function (Remote control) will not operate.
(If a new transmitter or a transmitter of the same type that works properly with the vehicle is not available.)

Make the vehicle in the initialized condition:
The initialized condition is the condition when the following conditions are satisfied.
(1) Key plate has not been inserted in the ignition key cylinder.
(2) All the doors are closed. (Door warning light is off.)
(3) All the doors are locked.

Basic function check:

Under the standard operation, when repeating the operation of UNLOCK and LOCK switch 3 times or more alternately, check the UNLOCK–LOCK operation from 3rd time onward.
● Following procedures are standard operation.
(1) Keep about 1 M away to the right direction from the outside handle of a driver's seat.
(2) Face the transmitter toward the vehicle and press one of transmitter switches for about 1 sec.

No

Yes

Normal
<Reference>
● Operative distance may differ according to an operator, the way of holding the transmitter or position.
● Because weak electric wave is used, when there is strong wave or noise in the used frequency ,operation distance might be shortened.

Transmitter battery check:

Replace the transmitter battery with a new or normal one and check UNLOCK–LOCK function works under the standard operation.
<Reference>
● The battery should be replaced by only the shops with sufficient skill as new normal battery is necessary.
● Battery quality can be judged by checking the remnant volume of the battery.

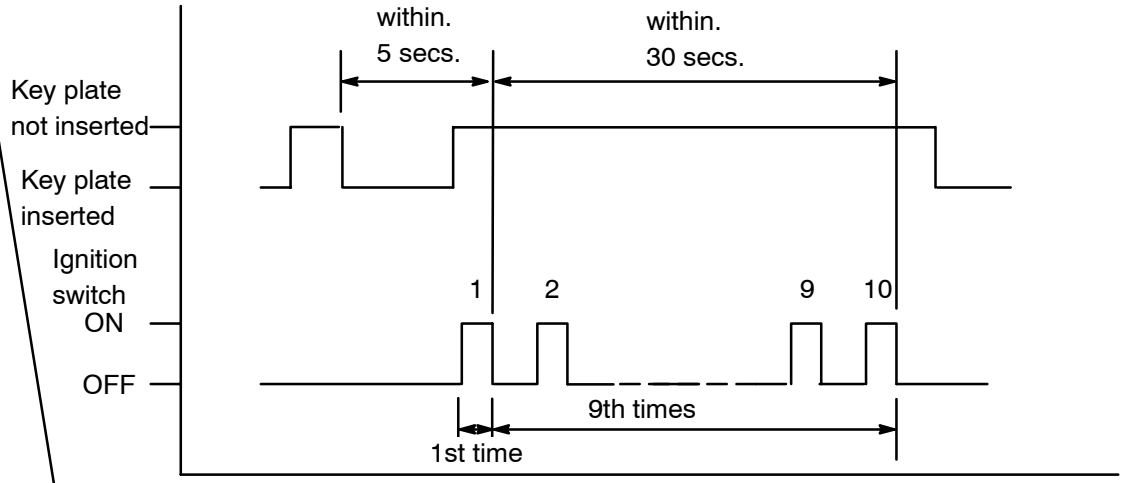
Yes → Battery faulty.

No

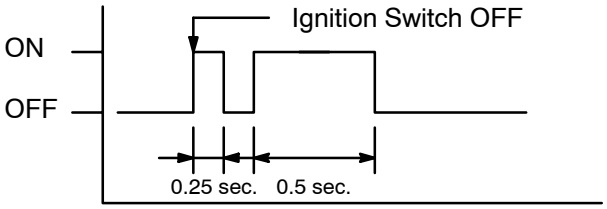
Make the vehicle be in the initialized condition.

Inspection start by using self diagnostic mode:

Enter into the self diagnostic mode.
If operating door control receiver in the order of 1 through 2, the mode turns to diagnostic mode.
(1) Insert the key plate in the ignition key cylinder and pull out, then insert it again and turn ignition switch OFF → ON → OFF once within 5 seconds after pulling out.
(2) After completing the procedure within 30 seconds, turn the ignition switch OFF → ON → OFF 9 times.
HINT:
In the case that either of (1) and (2) conditions is not satisfied, transfer to normal mode.
<Reference>
When completing self diagnostic mode, turn the ignition switch ON.
LOCK and UNLOCK operation is not performed under the self diagnostic mode.



Diagnostic mode operation confirmation:
Check the room lights up soon after the input operation of self diagnostic mode.



<Reference>
● Room light up should be maximum despite the controller.

No

Is the method to input the diagnostic mode correct?

No

Yes

(Not enter in diagnostic mode)

Is the function of operation confirmation room light normal?

No

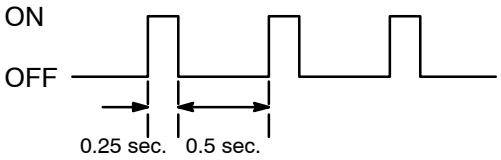
Yes

Room Light faulty.

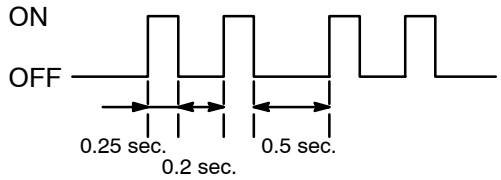
Yes

Confirmation of diagnostic mode:
Check Room light light up when pressing on each switch of transmitter.

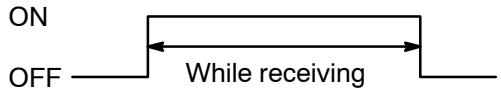
(1) Received normal wave of LOCK switch.



(2) Received normal wave of UNLOCK switch.



(3) Compatibility of the recognition code or out from synchronization of rolling code.*.

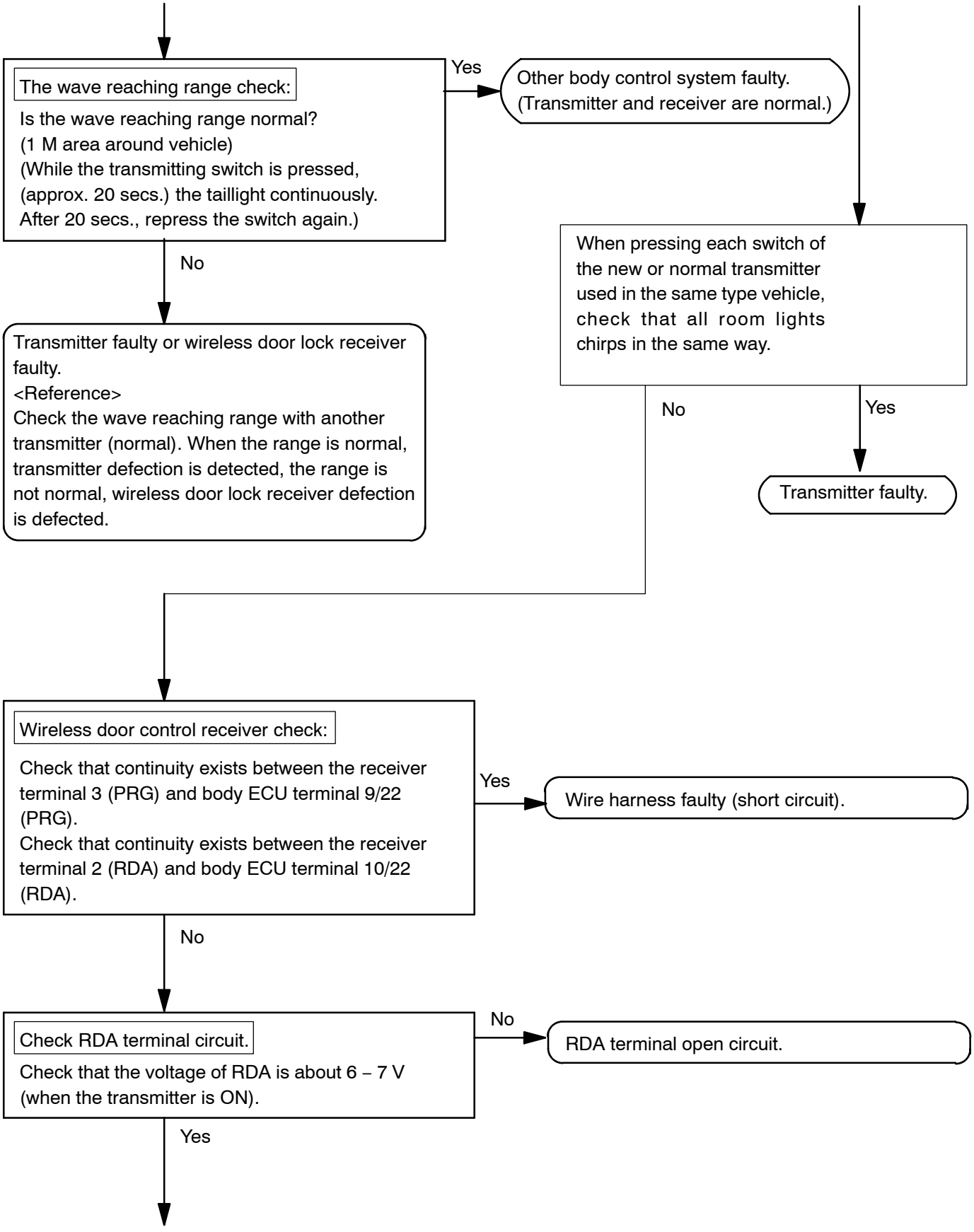


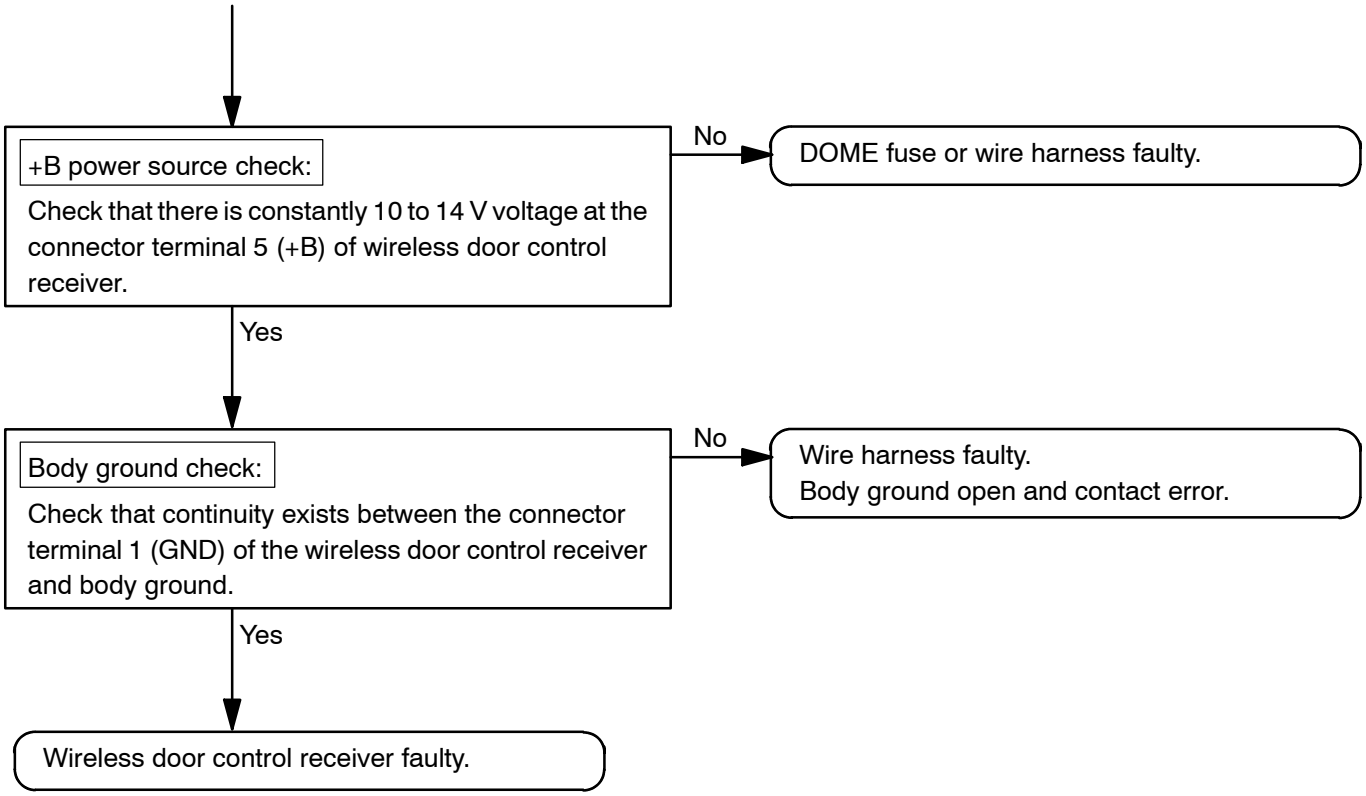
No response

Transmitter faulty or wireless door lock receiver faulty.
<Reference>
● Use another (normal) transmitter and check with the diagnostic mode and in the case that the check result shows the transmitter faulty, it can be judged that wireless door lock receiver is normal.

In case of room light outputs from (1) – (2)

In case of room light outputs of (3)


The wave reaching range check:
Is the wave reaching range normal?
(1 M area around vehicle)
(While the transmitting switch is pressed,
(approx. 20 secs.) the taillight continuously.
After 20 secs., repress the switch again.)
Yes
Other body control system faulty.
(Transmitter and receiver are normal.)
No
Transmitter faulty or wireless door lock receiver faulty.
<Reference>
Check the wave reaching range with another transmitter (normal). When the range is normal, transmitter defection is detected, the range is not normal, wireless door lock receiver defection is defected.
When pressing each switch of the new or normal transmitter used in the same type vehicle, check that all room lights chirps in the same way.
No
Yes
Transmitter faulty.
Wireless door control receiver check:
Check that continuity exists between the receiver terminal 3 (PRG) and body ECU terminal 9/22 (PRG).
Check that continuity exists between the receiver terminal 2 (RDA) and body ECU terminal 10/22 (RDA).
Yes
Wire harness faulty (short circuit).
No
Check RDA terminal circuit.
Check that the voltage of RDA is about 6 – 7 V (when the transmitter is ON).
No
RDA terminal open circuit.
Yes


+B power source check:
Check that there is constantly 10 to 14 V voltage at the connector terminal 5 (+B) of wireless door control receiver.
No
DOME fuse or wire harness faulty.
Yes
Body ground check:
Check that continuity exists between the connector terminal 1 (GND) of the wireless door control receiver and body ground.
No
Wire harness faulty.
Body ground open and contact error.
Yes
Wireless door control receiver faulty.