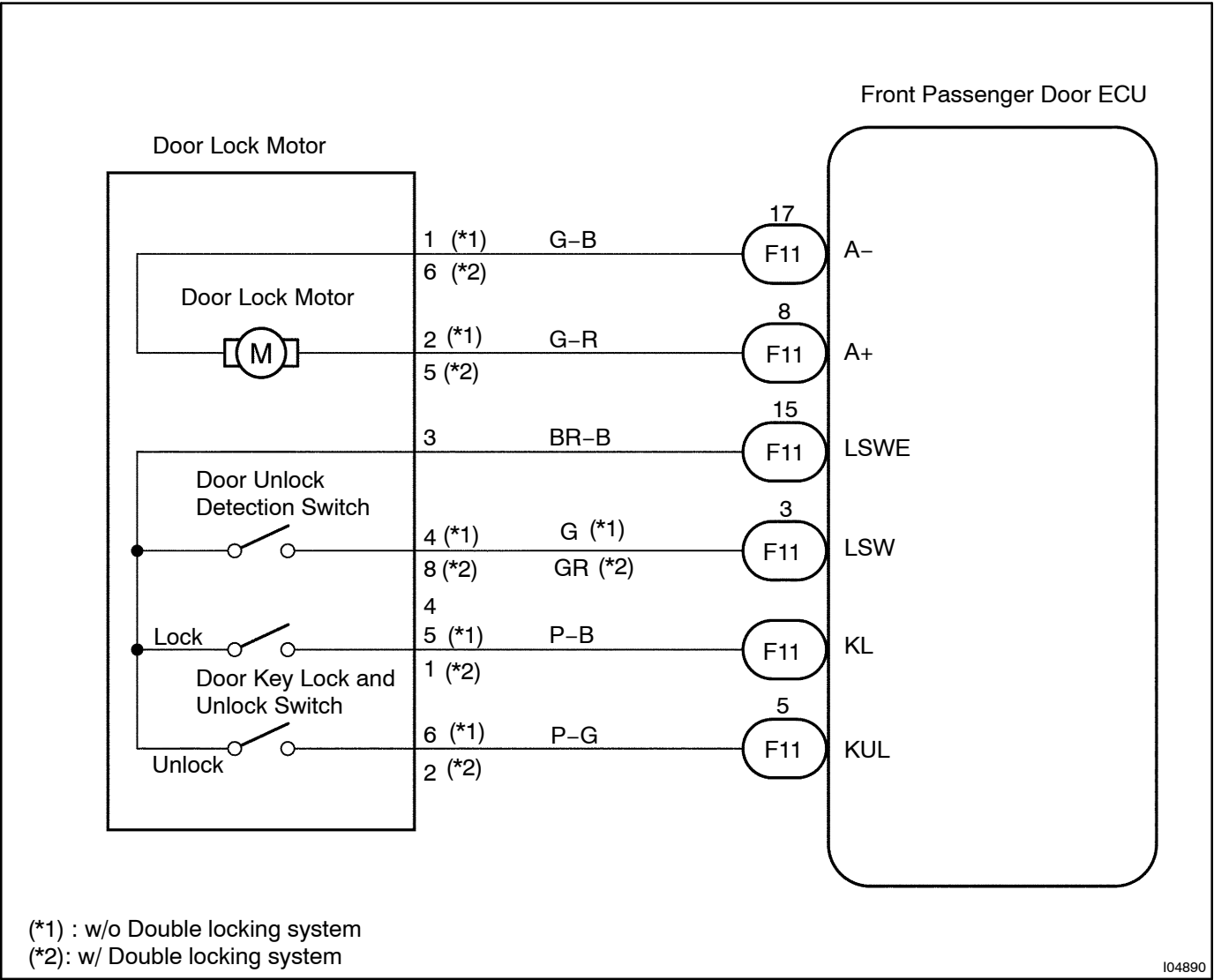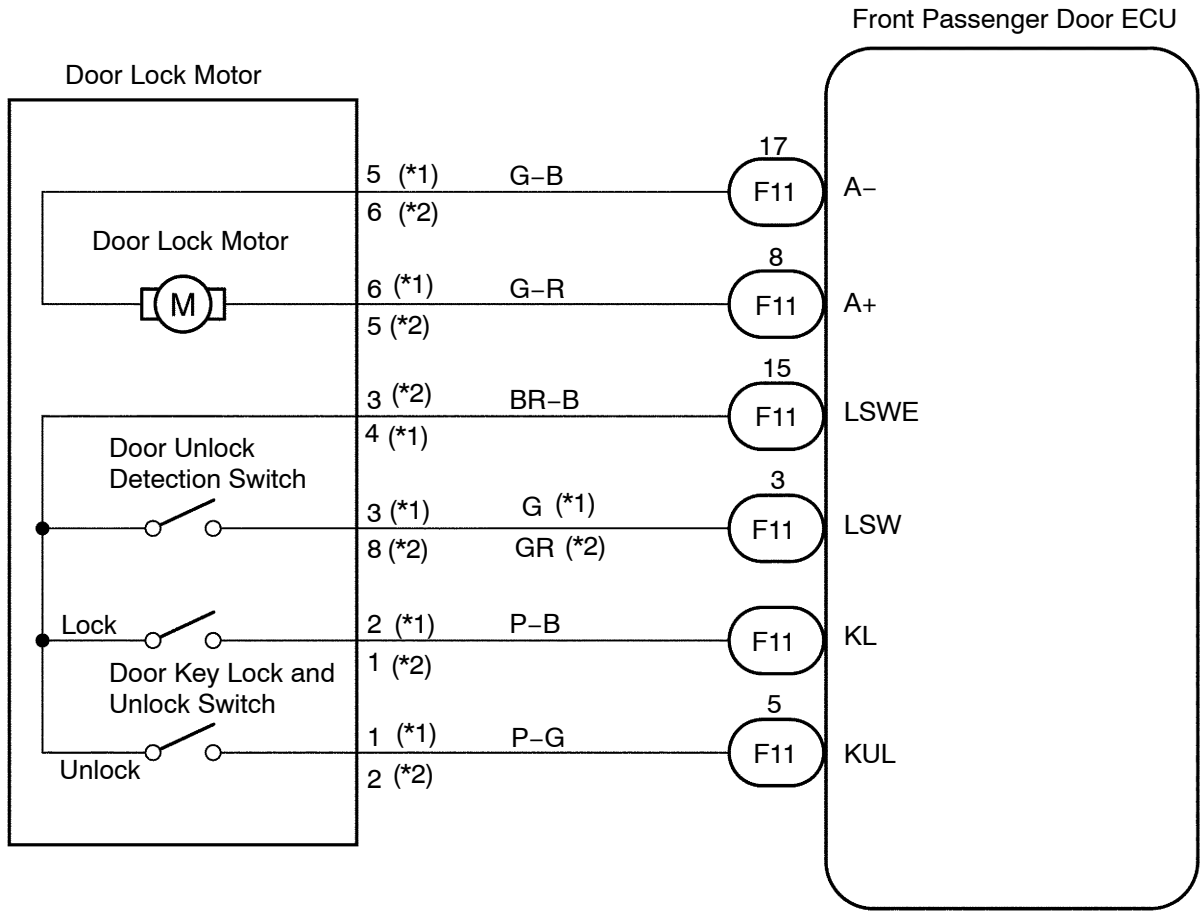DI87H–01

Door unlock detection switch

CIRCUIT DESCRIPTION

The door unlock detection switch is built in the door lock motor assembly. This switch is ON when the door lock knob is in the unlock position and OFF when the lock knob is in the lock position. The ECU detects the door lock knob conditions is this circuit. It is used as one of the operating conditions for the key confinement prevention function.

WIRING DIAGRAM

(*1) : w/o Double locking system
(*2): w/ Double locking system

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RHD models:

Front Passenger Door ECU

Door Lock Motor

Door Lock Motor

5 (*1)	G–B	17 F11	A–
6 (*2)			

M

6 (*1)	G–R	8 F11	A+
5 (*2)			

Door Unlock
Detection Switch

3 (*2)	BR–B	15 F11	LSWE
4 (*1)			

3 (*1)	G (*1)	3 F11	LSW
8 (*2)	GR (*2)		

Lock

Door Key Lock and
Unlock Switch

2 (*1)	P–B	F11	KL
1 (*2)			

Unlock

1 (*1)	P–G	5 F11	KUL
2 (*2)			

(*1) : w/o Double locking system
(*2): w/ Double locking system

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INSPECTION PROCEDURE

HINT:

In case of using the LEXUS hand–held tester, start the inspection from step 1 and in case of not using the LEXUS hand–held tester, start from step 2.

1	**Check door unlock detection switch using LEXUS hand–held tester.**

PREPARATION:

Connect the LEXUS hand–held tester to the DLC 3.

CHECK:

Check the door unlock detection switch using DATA LIST.

OK	**Proceed to next circuit inspection shown on problem symptom table. (See Pub. No. RM588E on page Di–616)**

NG

2	Check door unlock detection switch. (w/o double locking system: See Pub. No. RM588E on page BE−148 w/ double locking system: See page BE−12)

NG ▷ Replace the door lock motor.

OK

3	Check wireharness and connector between door unlock detection switch and passenger door ECU.

NG ▷ Repair or replace wireharness or connector.

OK

Proceed to next circuit inspection shown on problem symptom table. (See Pub. No. RM588E on page DI−616)