DI3MN–02

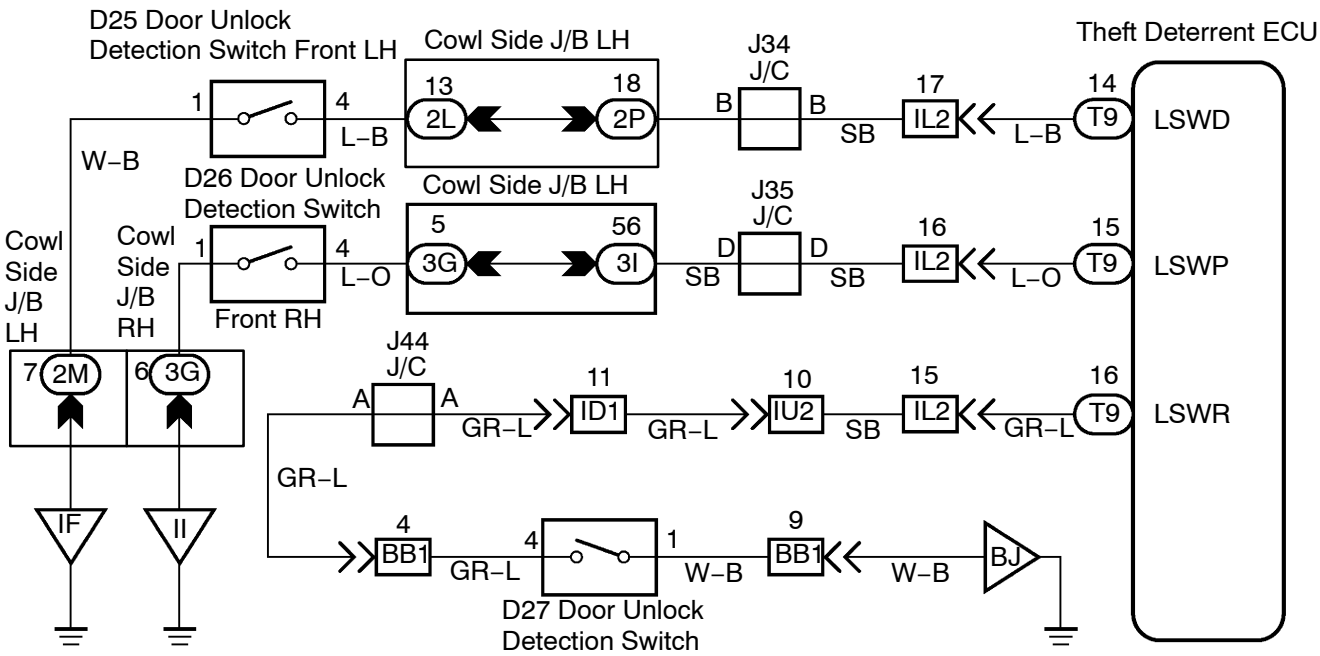
Door Unlock Detection Switch Circuit

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 from this circuit. It is used as one of the operating conditions for the key confinement prevention function.

WIRING DIAGRAM

LHD models



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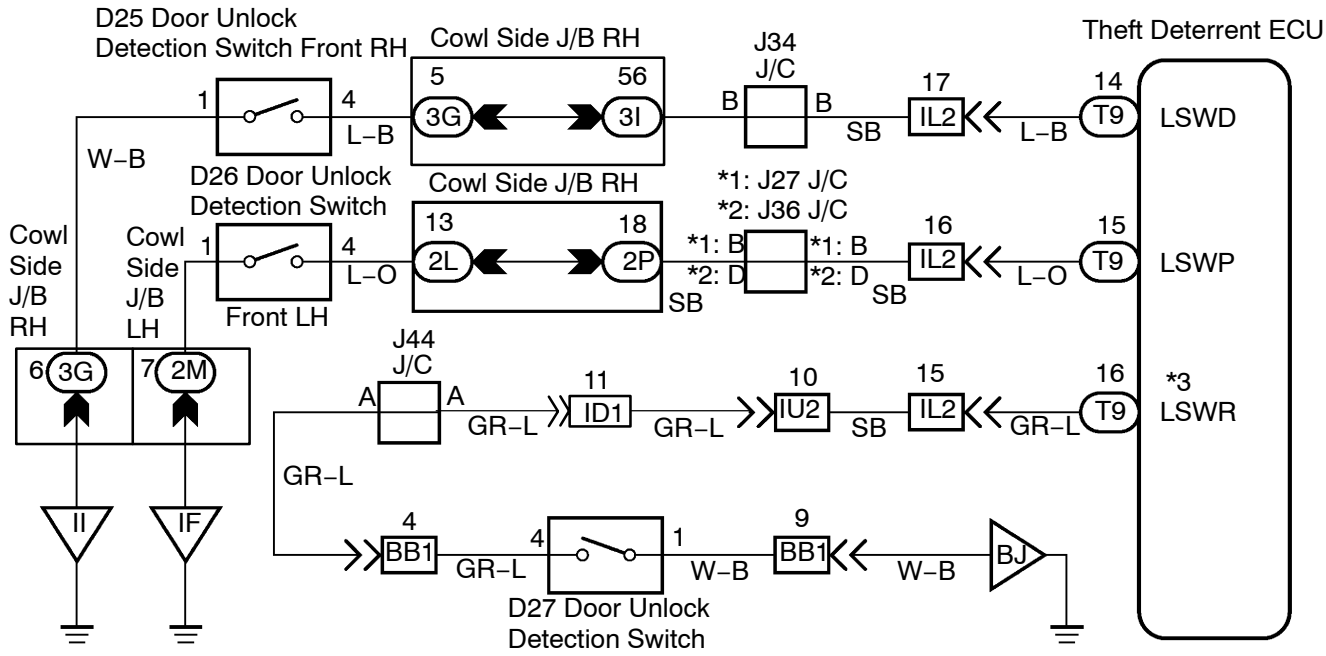
RHD models



*1: 1FZ–FE, 1HZ engine
*2: 2UZ–FE, 1HD–FTE, 1HD–T engine
*3: Except 2UZ–FE, 1HD–FTE engine

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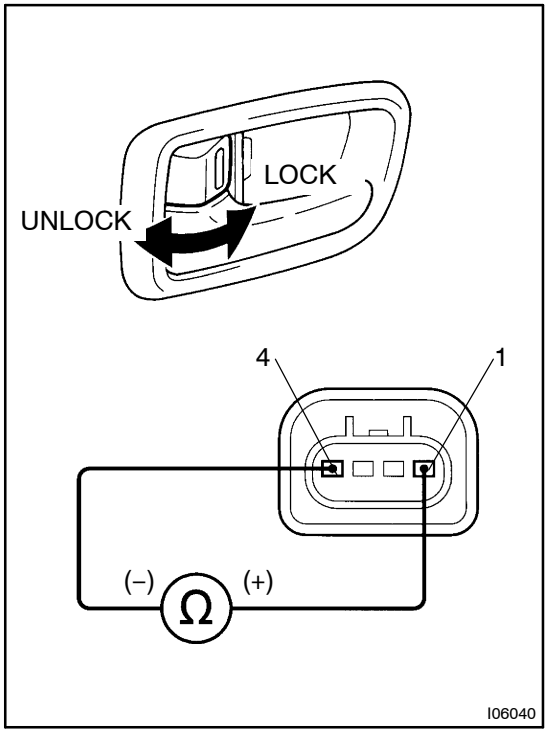
INSPECTION PROCEDURE

1	Check Door Unlock Detection Switch.



PREPARATION:

(a) Remove the door trim and service hole cover.

(b) Disconnect door unlock detection switch connector.

CHECK:

Check continuity between terminals 1 and 4 of door unlock detection switch connector, when the door lock knob is operated to the lock side and unlock side.

OK:

Switch Condition	Tester connection	Specified condition
Door unlock	1 – 4	Continuity
Door lock	–	No continuity

NG → Replace door unlock detection switch.

OK

2	Check harness and connectors between ECU and door unlock detection switch, door unlock detection switch and body ground (See page IN–35).

NG → Repair or replace harness or connector.

OK

Check and replace theft deterrent ECU.*1

*1: When there is a malfunction that the theft deterrent system cannot be set, proceed to the next numbered circuit inspection shown in problem symptom table (See page DI–637).