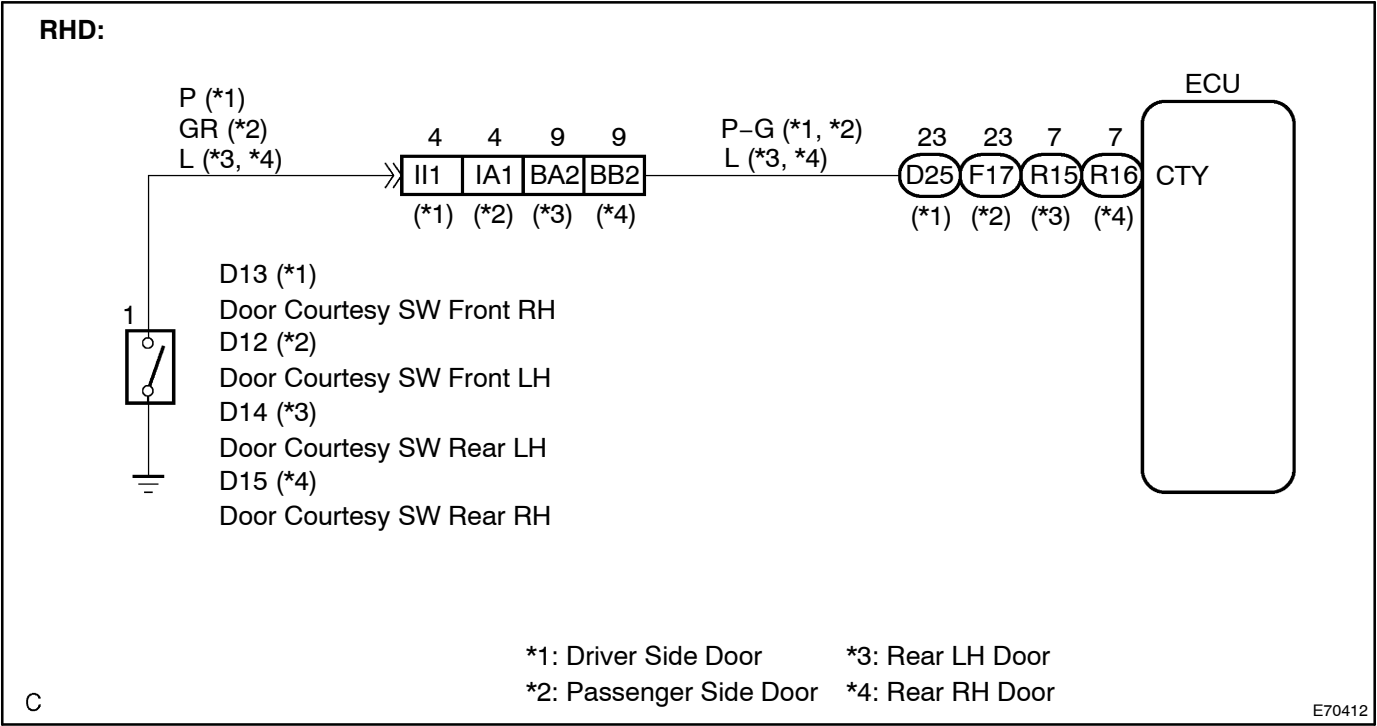
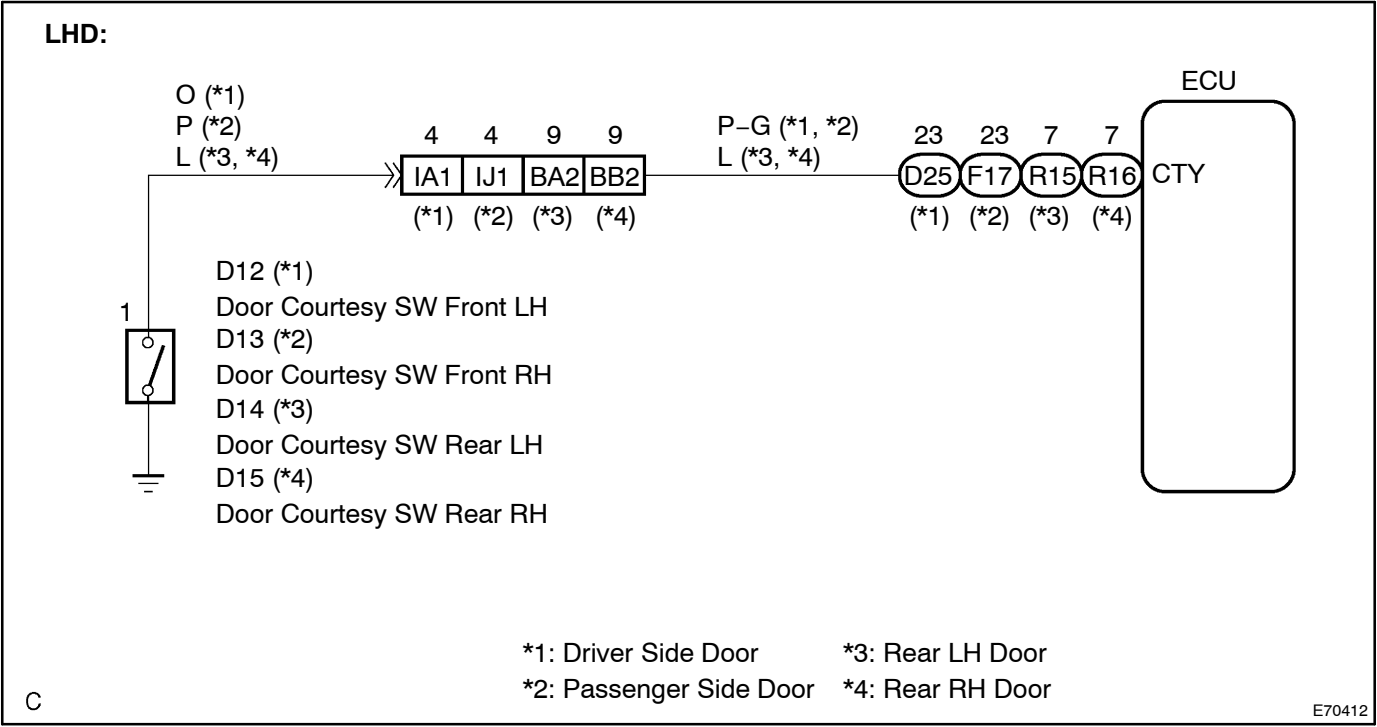


# DOOR COURTESY SWITCH CIRCUIT

## CIRCUIT DESCRIPTION

The door ECU receives courtesy switch information from each door courtesy switch and sends it to each ECU.

## WIRING DIAGRAM



## INSPECTION PROCEDURE

HINT:

The procedure is the same for each door courtesy switch circuit. First, inspect the suspected door courtesy switch circuit.

### 1 READ VALUE OF INTELLIGENT TESTER

- (a) Connect the Intelligent Tester II to the DLC3.
- (b) Turn the Ignition switch to the ON position and turn the Intelligent Tester II main switch on.
- (c) Select the item below in the DATA LIST, and read the display on the Intelligent Tester II.

**DOOR:**

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Courtesy Switch	Courtesy Switch/ ON or OFF	ON: Door is opened OFF: Door is closed	-

**OK: Condition sign can be displayed.**

HINT:

All door ECUs send the same message to the Intelligent Tester II.

NG

Go to step 2

OK

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**  
(SEE PAGE 05-1369)

**2 CHECK HARNESS AND CONNECTOR(COURTESY LAMP SWITCH CIRCUIT)**

(a) Disconnect the connector from the door ECU in the chart below.

Inspection Area	Connector
Driver side door	D25
Passenger side door	F17
Rear LH door	R15
Rear RH door	R16

(b) Measure the resistance according the value(s) in the table below.

**Standard:****Driver Side Door:**

Tester Connection	Condition	Specified Condition
D25-23 - Body ground	Driver side door is opened	Below 1 $\Omega$
D25-23 - Body ground	Driver side door is closed	10 k $\Omega$ or higher

**Passenger Side Door:**

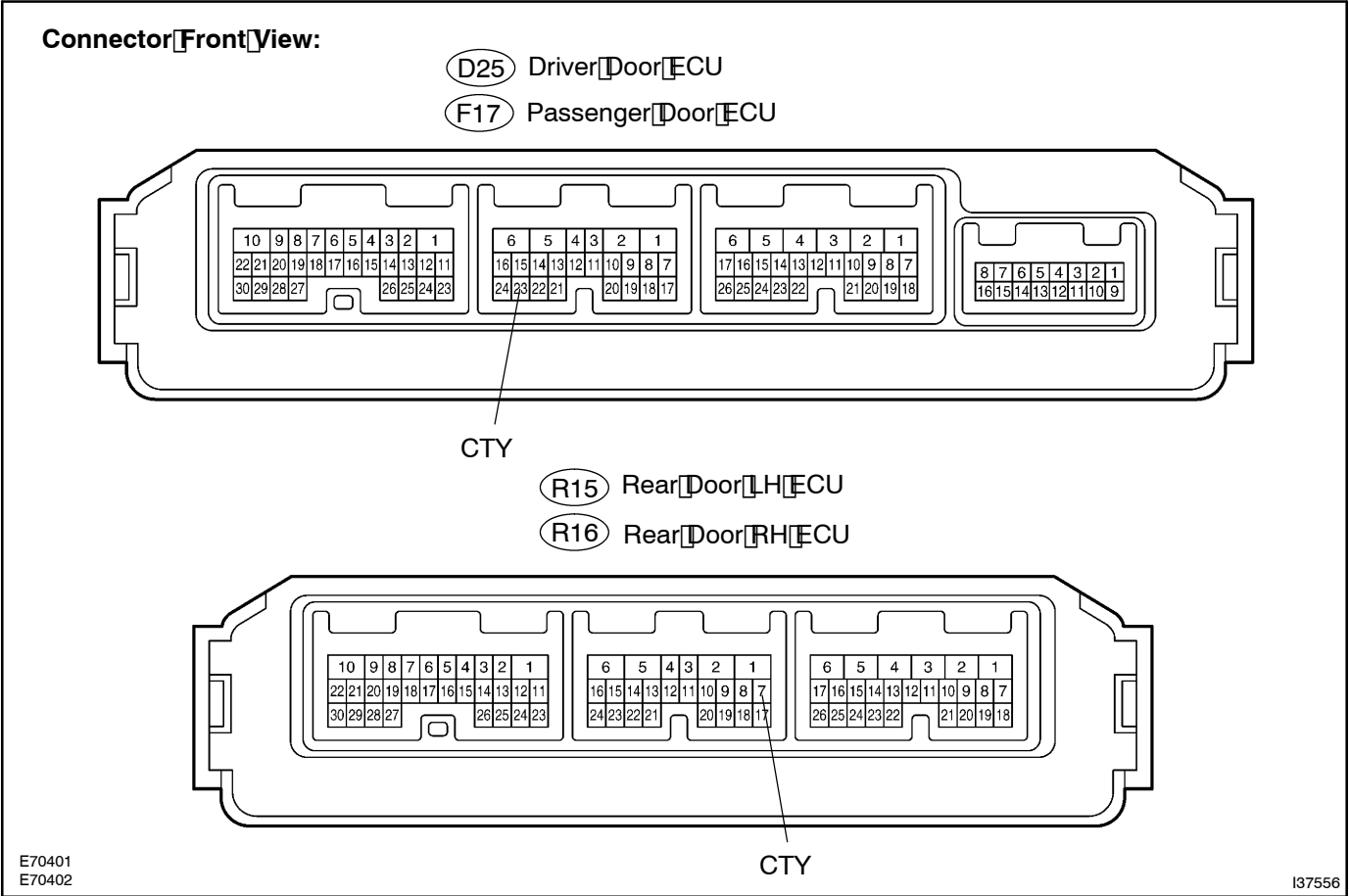
Tester Connection	Condition	Specified Condition
F17-23 - Body ground	Passenger side door is opened	Below 1 $\Omega$
F17-23 - Body ground	Passenger side door is closed	10 k $\Omega$ or higher

**Rear LH Door:**

Tester Connection	Condition	Specified Condition
R15-7 - Body ground	Rear LH door is opened	Below 1 $\Omega$
R15-7 - Body ground	Rear LH door is closed	10 k $\Omega$ or higher

**Rear RH Door:**

Tester Connection	Condition	Specified Condition
R16-7 - Body ground	Rear RH door is opened	Below 1 $\Omega$
R16-7 - Body ground	Rear RH door is closed	10 k $\Omega$ or higher

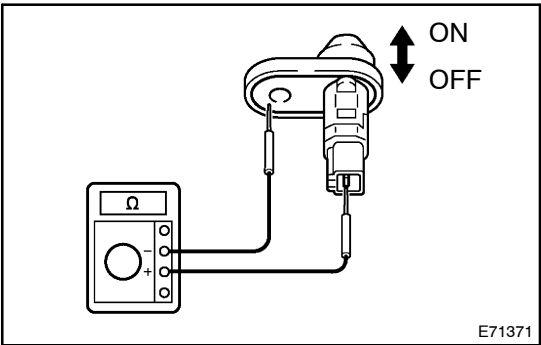


NG Go to step 3

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE  
(SEE PAGE 05-1369)

3 INSPECT COURTESY LAMP SWITCH



- (a) Remove the courtesy lamp switch.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
1 - Switch body	OFF (When shaft is pressed)	10 kΩ or higher
1 - Switch body	ON (When shaft is not pressed)	Below 1 Ω

NG REPLACE COURTESY LAMP SWITCH

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (EACH OF COURTESY SWITCH CIRCUIT)