## 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 knob is in the lock position. The ECU detects the door lock knob conditions in this circuit.

#### WIRING DIAGRAM



#### **INSPECTION PROCEDURE**

#### 1 CHECK DOOR LOCK (See page 73–3)

OK

#### 2 CHECK WIRE HARNESS (TVIP ECU ⇔ DOOR LOCK) Disconnect the TVIP ECU and door lock connectors. (a) **TVIP ECU** (b) Check the continuity between the terminals of the TVIP (Wire Harness Side) ECU and door lock connectors, as shown in the illustra-LSWD (37) tion and table. Standard: Symbols (Terminal No.) Т3 Specified condition (TVIP ECU ⇔ Door lock) LSWD (T3–37) ⇔ D8–8 Continuity LSWP (38) LSWP (T3–38) ⇔ D9–7 Continuity (D8) Driver's Door Lock Passenger's Door Lock D9 ) (Wire Harness Side) 2 1 3 4 **REPAIR OR REPLACE WIRE HARNESS AND** NG 5 6 7 8 9 10 CONNECTOR B52239 B58512 B59591 OK CHECK WIRE HARNESS (DOOR LOCK ⇔ BODY GROUND) 3 (a) Disconnect the door lock connector. (D8) Driver's Door Lock Check the continuity between the terminal of the door lock (b)

tion and table.

(D9 Passenger's Door Lock (Wire Harness Side) 2 3 4 1 7 8 9 5 6 11 B59773 B58512

Standard:	
Terminal No. (Door lock ⇔ Body ground)	Specified condition
D9–8 ⇔ Body ground	Continuity
D8–7 ⇔ Body ground	Continuity
NG REPAIR OR REPLACE WIRE HARNESS AND CONNECTOR	

connector and the body ground, as shown in the illustra-

#### OK

# PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–707)

2004 COROLLA (RM1037U)