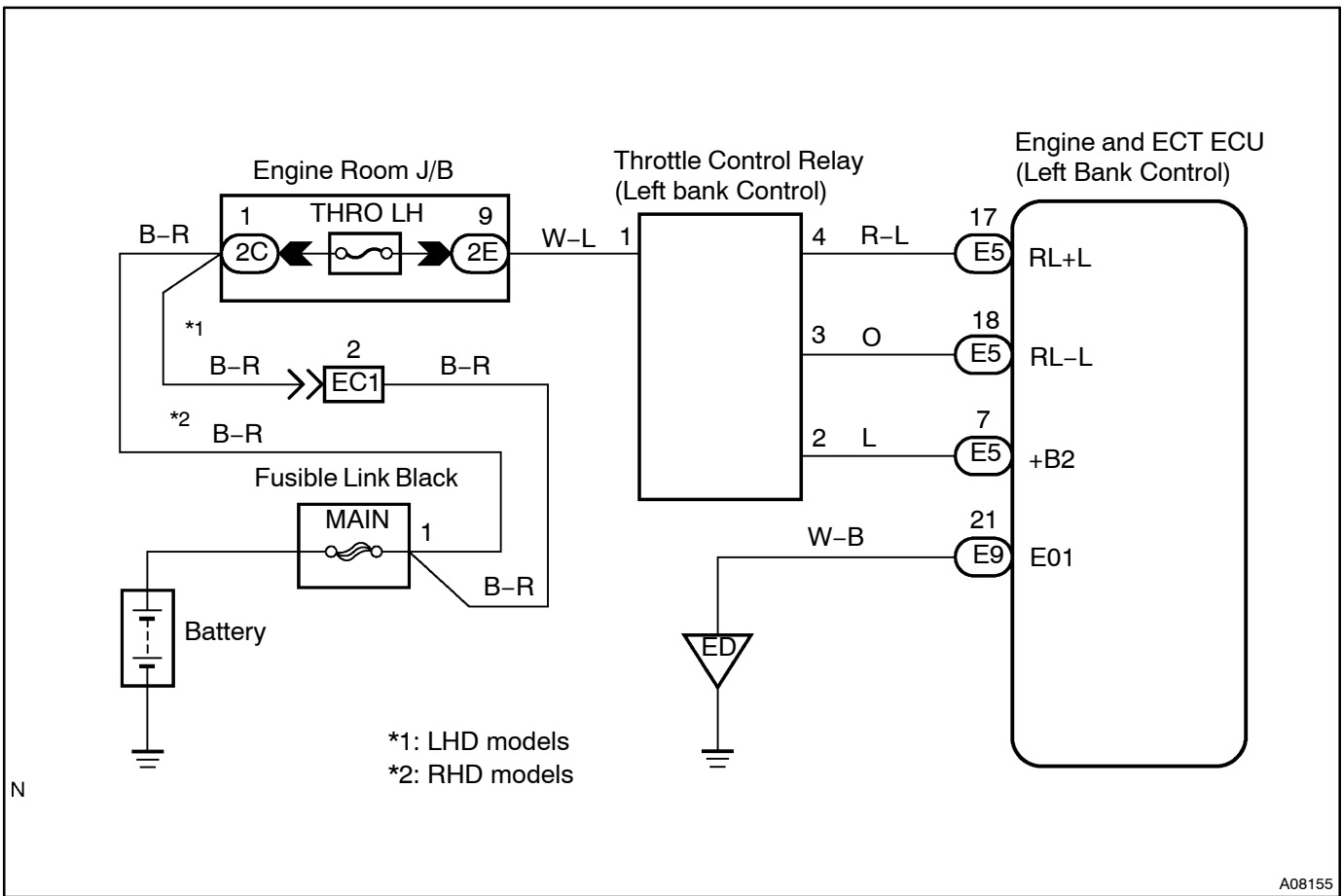


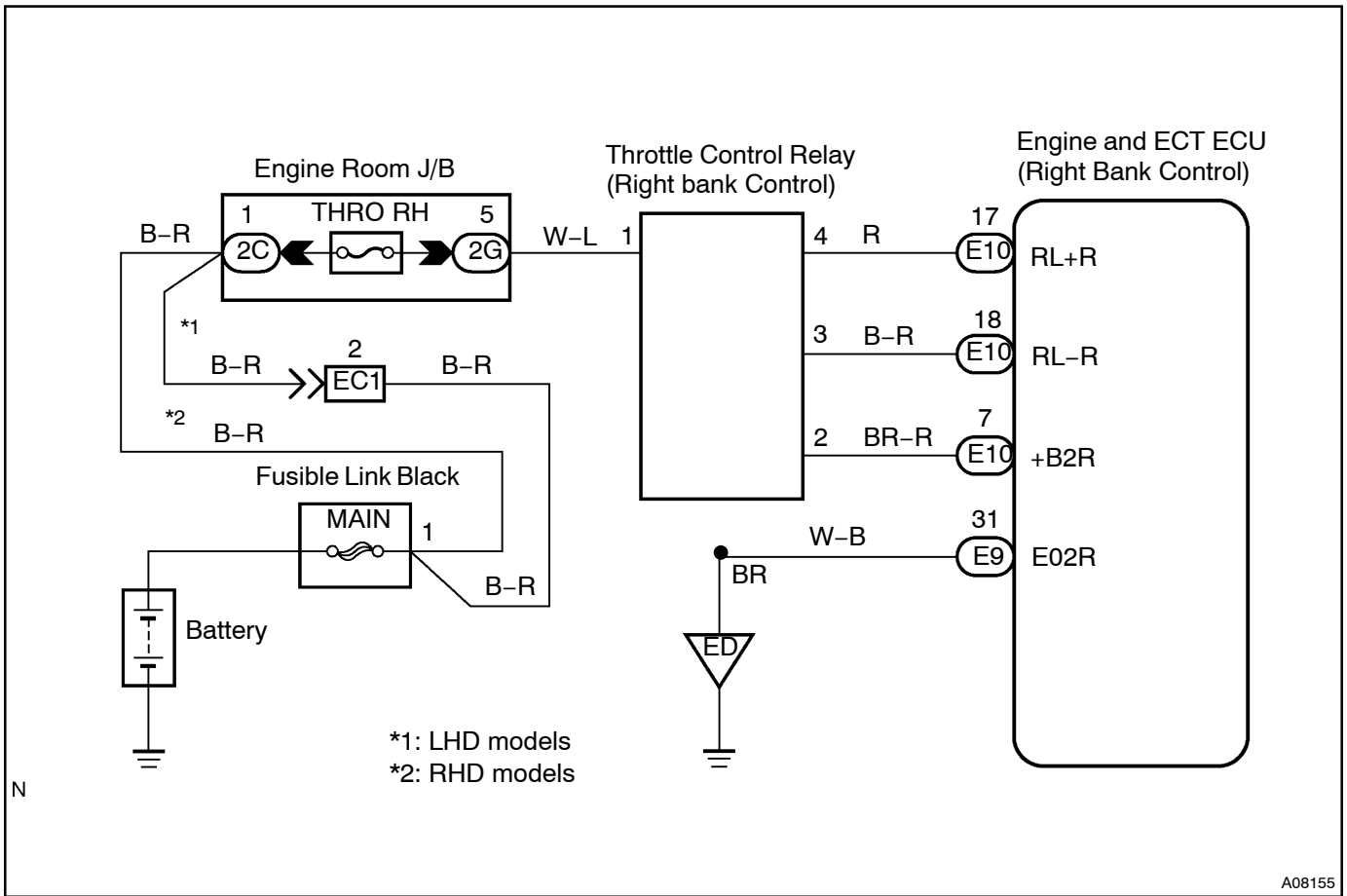
<b>DTC</b>	<b>P1127/11,12,51,52*</b>	<b>Throttle Control Relay Circuit</b>
------------	---------------------------	---------------------------------------

**\*: ETCS trouble code No.**  
**CIRCUIT DESCRIPTION**

DTC No.	DTC Detecting Condition	Trouble Area
P1127/11	Instead of throttle control relay is ON, voltage at +B of ECU terminal does not output 4 V or more for 1 sec. or more.	<ul style="list-style-type: none"> <li>• Throttle control relay</li> <li>• THRO LH (THRO RH) fuse</li> <li>• Wire harness and connector (throttle control relay circuit)</li> <li>• Engine ECU</li> </ul>
P1127/12	Instead of throttle control relay is OFF, voltage at +B of ECU terminal outputs 4 V or more for 0.8 sec. or more.	<ul style="list-style-type: none"> <li>• Throttle control relay</li> <li>• Wire harness and connector (throttle control relay circuit)</li> <li>• Engine ECU</li> <li>•</li> <li>•</li> </ul>
51	When the ignition switch is ON, the throttle valve opening and the number of throttle motor steps (opening) are not matched due to the dropped $\pm B2$ voltage.	
P1127/52	When the engine speed is at 500 r/min or above, $\pm B2$ voltage (8.5 V or less) drops for 10 secs. or more.	

**WIRING DIAGRAM**



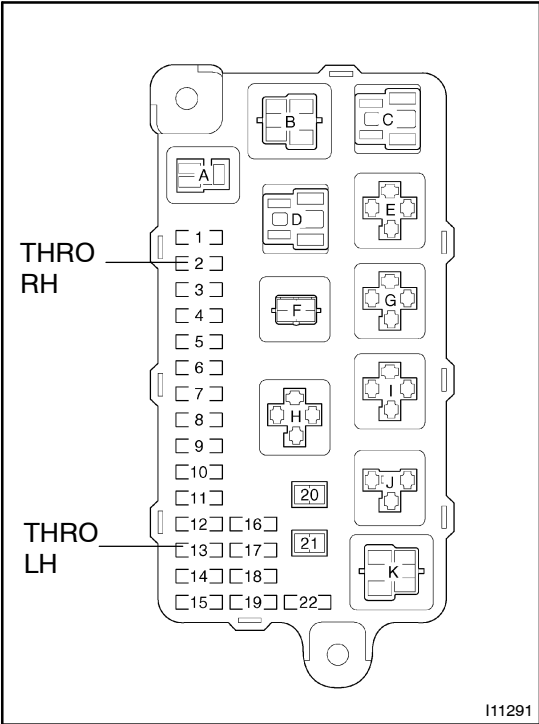


## INSPECTION PROCEDURE

### HINT:

LH and RH bank engine ECU detect this DTC code respectively. The inspection procedures are same for both LH and RH bank engine ECU and described in this manual. Even though terminal name and part name on the side of RH bank are described in parenthesis, perform the inspection for only ECU that has detected DTC.

**1 Check THRO LH (THRO RH) fuse.**



**PREPARATION:**

Remove THRO LH (THRO RH) fuse from Engine Room J/B.

**CHECK:**

Check continuity of THRO LH (THRO RH) fuse.

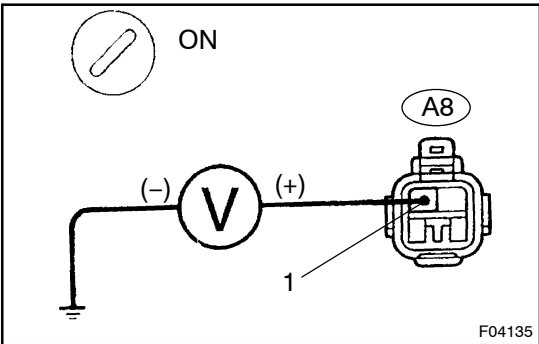
**OK:**

**Continuity**

**NG** Check for short in all harness and components connected to THRO LH (THRO RH) fuse.

**OK**

**2 Check voltage between terminal 1 of throttle control relay.**



**PREPARATION:**

Remove throttle control relay.

**CHECK:**

Measure voltage between terminal 1 of throttle control relay.

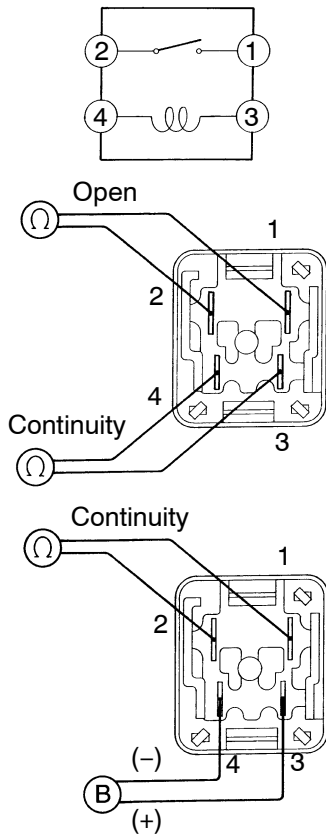
**OK:**

**Voltage: 10 - 14 V**

**NG** Repair or replace harness or connector.

**OK**

### 3 Check Throttle control relay.



BE1840  
R15257  
R15258

F00044

#### PREPARATION:

Remove Throttle control relay.

#### CHECK:

Check continuity between each terminal of throttle control relay.

#### OK:

Terminals 3 and 4	Continuity (Reference value 62Ω)
Terminals 1 and 2	Open

#### CHECK:

- (1) Apply battery voltage between terminals 3 and 4.
- (2) Check continuity between terminals.

#### OK:

Terminals 1 and 2	Continuity
-------------------	------------

NG

Replace Throttle control relay.

OK

### 4 Check for open and short in harness and connector between throttle control relay and engine ECU (See page IN-20).

NG

Repair or replace harness or connector.

OK

If the same code is still output after the DTC is deleted, check the contact condition of each connection.

If the connections are normal, the ECU may be defective.