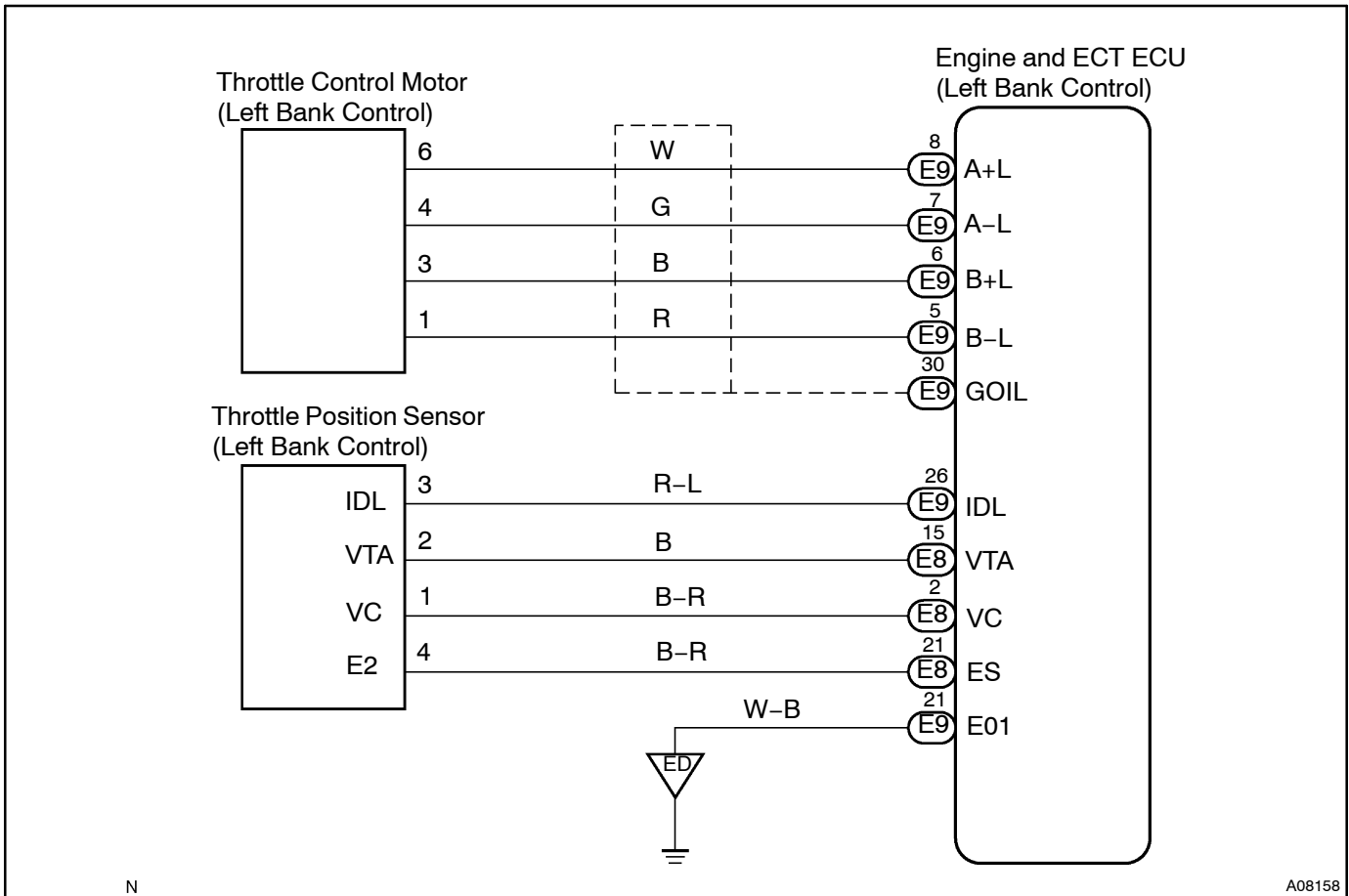


DTC	P1125/21,22*	Throttle Valve Motor Circuit
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***: ETCS trouble code No.**
CIRCUIT DESCRIPTION

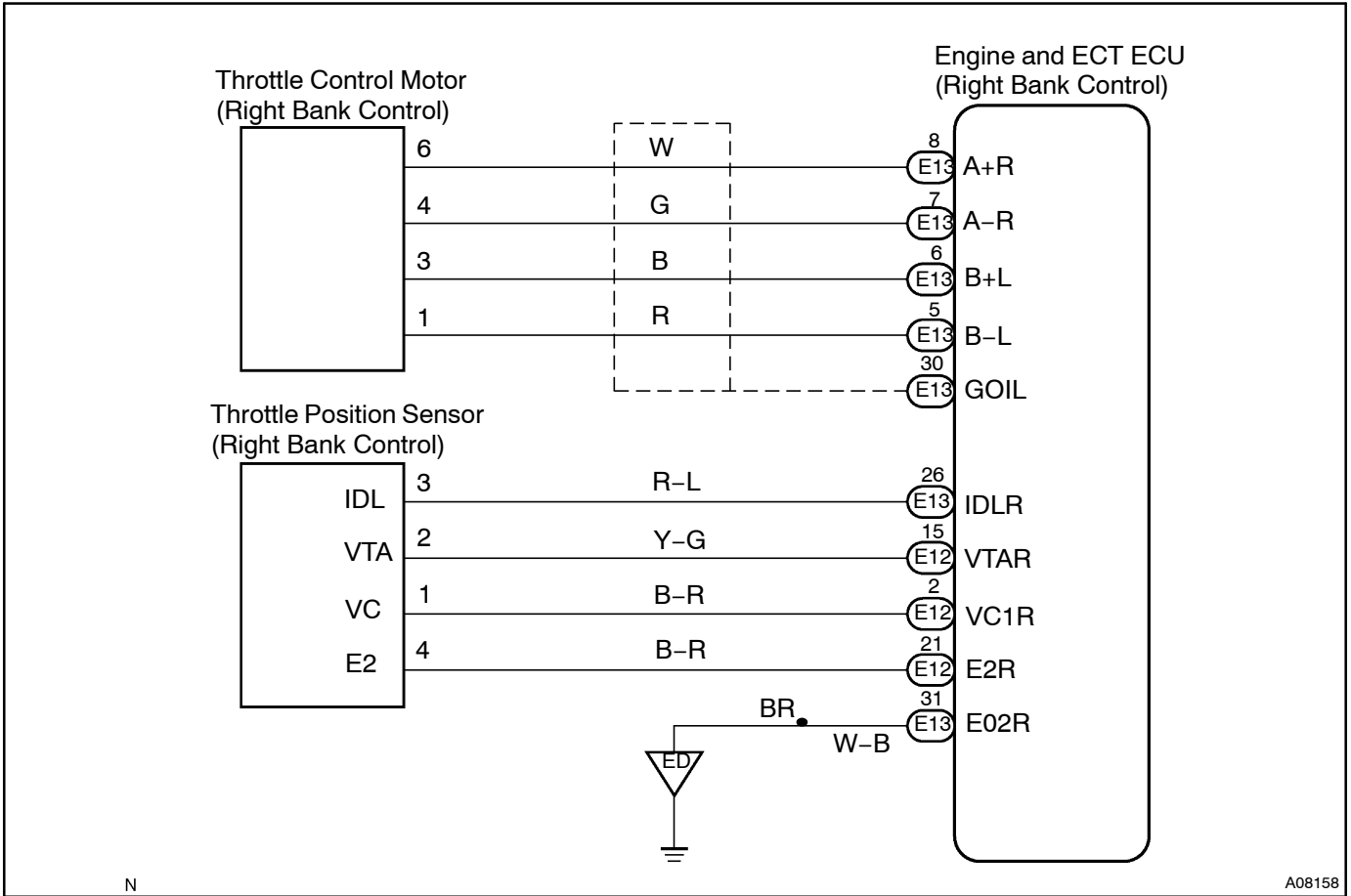
DTC No.	DTC Detecting Condition	Trouble Area
P1125/21	Throttle valve motor circuit is open or short.	<ul style="list-style-type: none"> • Throttle valve motor • Wire harness and connector (throttle valve motor and E01 circuit) • Engine ECU
P1125/22*	In case the valve open angle is tilted.	<ul style="list-style-type: none"> • Throttle valve motor • Throttle valve • Throttle position sensor • Wire harness and connector • Engine ECU

WIRING DIAGRAM



N

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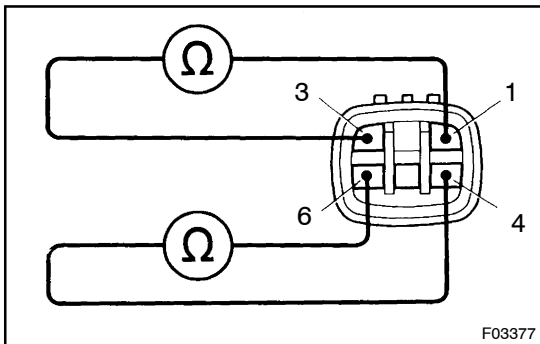


INSPECTION PROCEDURE

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 throttle valve motor.



PREPARATION:

Disconnect throttle valve motor connector.

CHECK:

Check continuity between each terminal of throttle valve motor connector.

OK:

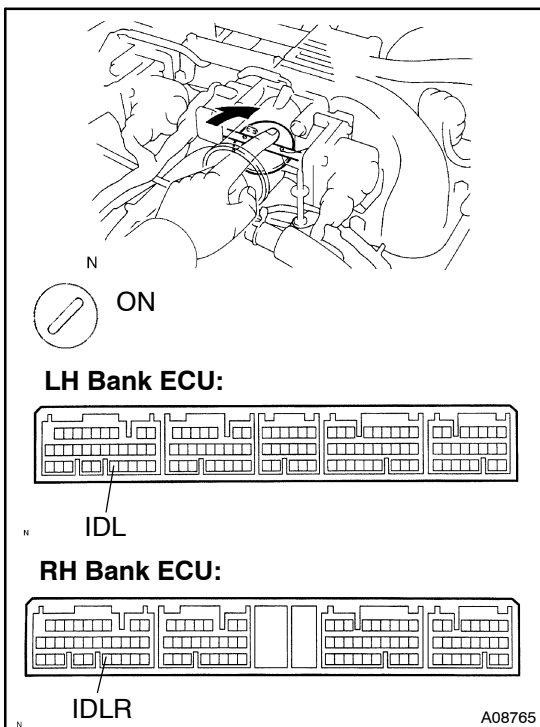
Terminals 1 and 3	Continuity (Reference value 0.40 – 0.48 Ω)
Terminals 4 and 6	

NG

Replace throttle body assembly.

OK

2 Check voltage between terminal IDL (IDLR) of engine ECU and body ground.



PREPARATION:

- Remove engine ECU with connectors still connected.
- Remove intake air duct.
- Disconnect throttle valve motor connector.
- Turn ignition switch ON.

CHECK:

Measure voltage between terminal IDL (IDLR) of engine ECU and body ground, when the throttle valve is fully closed and fully open.

OK:

Throttle valve position	Voltage
Fully closed	0 – 3 V
Fully open	9 – 14 V

OK

Go to step 4.

NG

3 Check for open and short in harness and connector between terminal IDL (IDL R) of engine ECU and throttle position sensor (See page IN-20).

NG

Repair or replace harness or connector.

OK

Check and replace engine ECU.

4 Check throttle position sensor (See page DI-49).

NG

Replace throttle body assembly.

OK

5 Check for open and short in harness and connector between terminals E5 (E2R) of engine ECU and body ground (See page IN-20).

NG

Repair or replace harness or connector.

OK

Check and replace engine ECU.