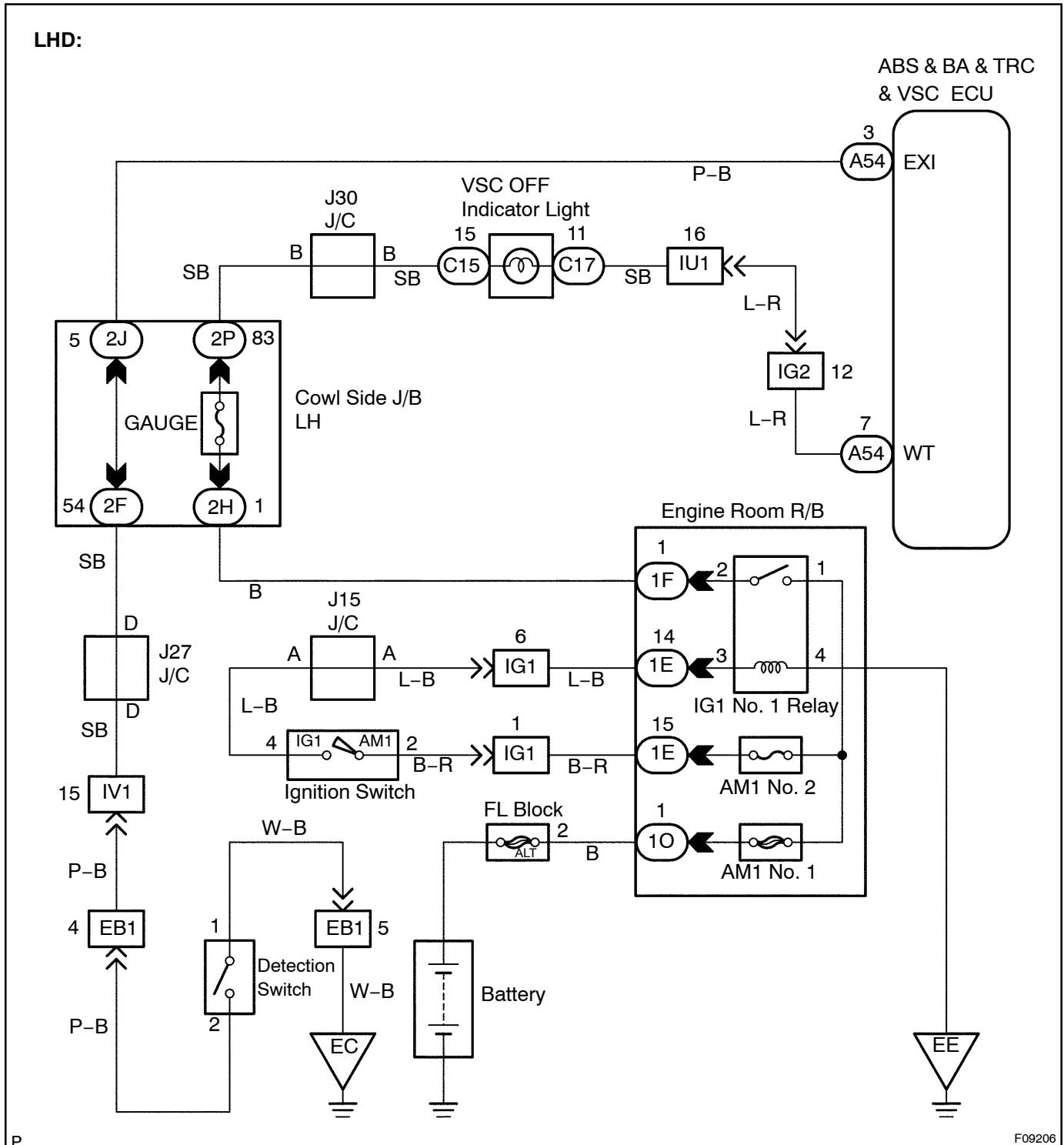


VSC OFF Indicator Light, Center Diff Lock Switch Circuit

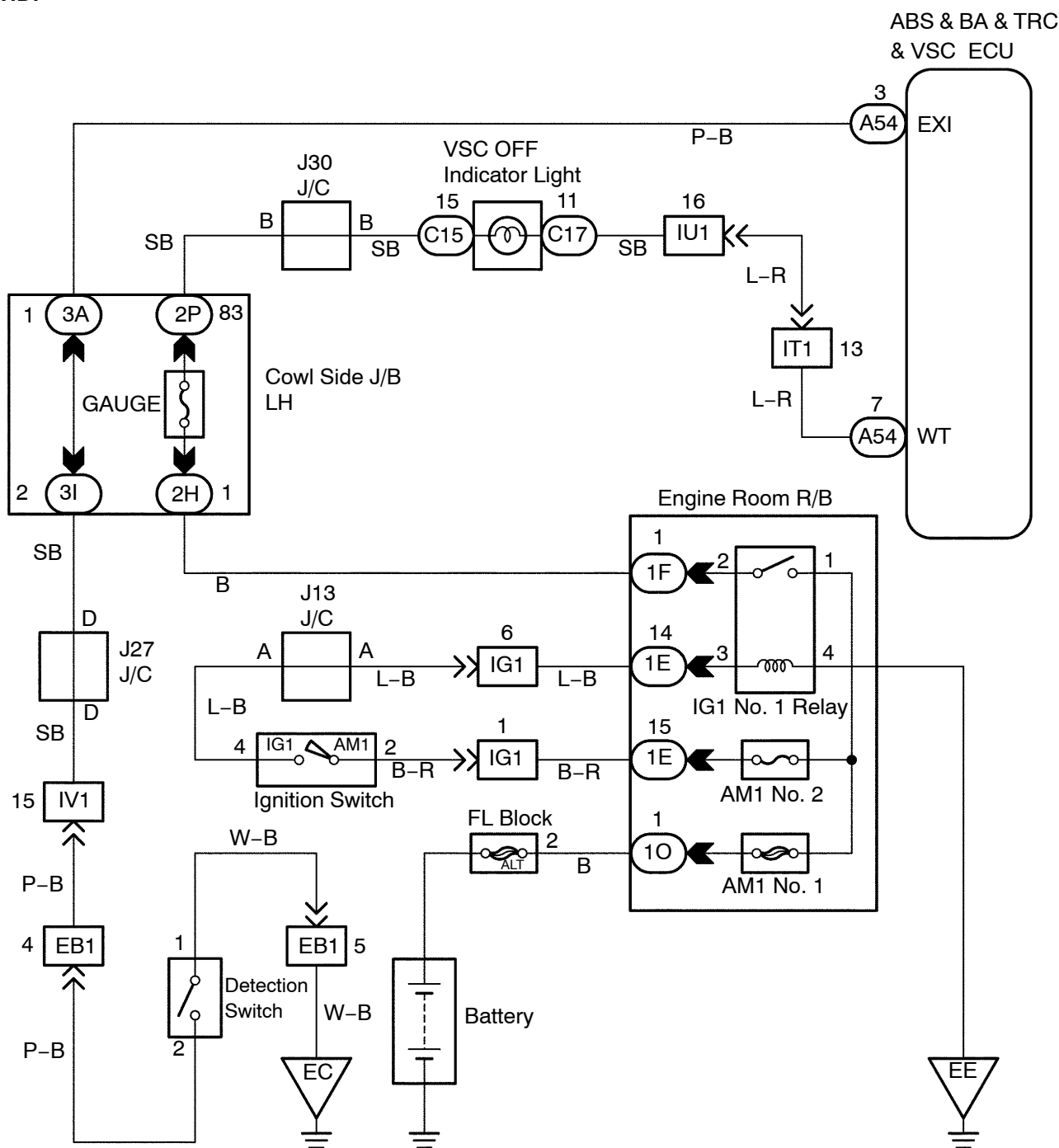
CIRCUIT DESCRIPTION

This is the VSC control main switch. When the center differential is locked, VSC control goes off and the VSC OFF indicator lights up. Also, light the VSC OFF indicator light is "ON" when the VSC system is at the fail safe control.

WIRING DIAGRAM



RHD:



P

F09206

INSPECTION PROCEDURE**HINT:**

Start the inspection from step 1 in case of using the hand-held tester and start from step 2 in case of not using the hand-held tester.

1	Check operation of the VSC OFF indicator light.
----------	--

PREPARATION:

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and push the hand-held tester main switch ON.
- (c) Select the ACTIVE TEST mode on the hand-held tester.

CHECK:

Check that "ON" and "OFF" of the VSC OFF indicator light can be shown on the combination meter with the hand-held tester.

NG**Go to step 3.****OK**

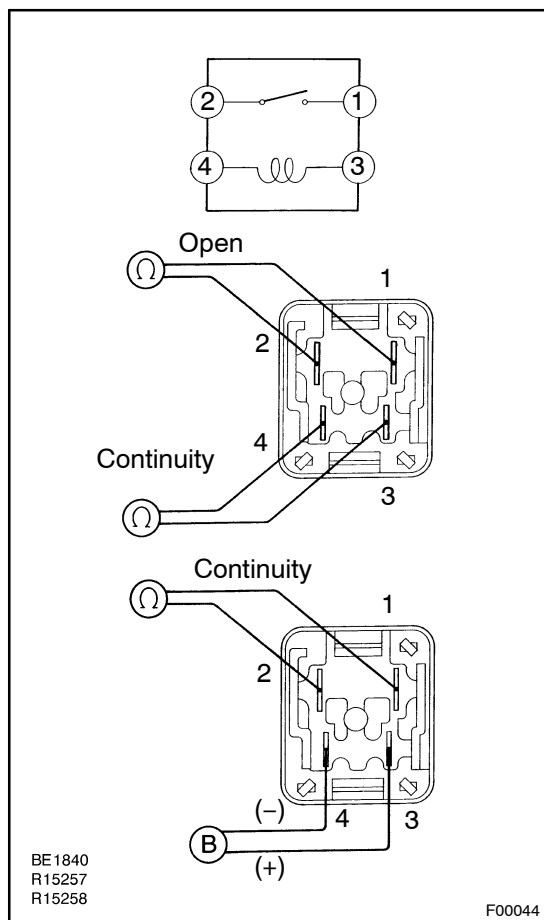
2	Is DTC output for VSC?
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YES**Repair circuit indicated by the output code.****NO**

3	Does the warning lights other than VSC OFF indicator lights up?
----------	--

YES**Go to step 5.****NO**

4 Check IG1 No. 1 relay.



PREPARATION:

Remove IG1 No. 1 relay from engine room J/B.

CHECK:

Check continuity between each pair of terminal of IG1 No. 1 relay.

OK:

Terminals 3 and 4	Continuity
Terminals 1 and 2	Open

CHECK:

- Apply battery voltage between terminals 3 and 4.
- Check continuity between terminals.

OK:

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

NG

Replace IG1 No. 1 relay.

OK

Check for open circuit in harness and connector between IG1 No. 1 relay and combination meter (See page IN-35).

5 Check VSC OFF indicator light.

Open circuit in the combination meter (See page BE-1).

NG

Repair VSC OFF indicator light bulb or combination meter assembly.

OK

- | | |
|----------|--|
| 6 | Check for short circuit in harness and connector between VSC OFF indicator light and ABS & BA & TRC & VSC ECU (See page IN-35). |
|----------|--|

NG

Repair or replace harness or connector.

OK

- | | |
|----------|--|
| 7 | Check for open and short circuit in harness and connector between detection switch and ABS & BA & TRC & VSC ECU (See page IN-35). |
|----------|--|

NG

Repair or replace harness or connector.

OK

- | | |
|----------|--|
| 8 | Check detection switch (detection switch remains on). |
|----------|--|

NG

Check and repair detection switch (See Pub No. RM616E on page TR-55).

OK

Check and repair ABS & BA & TRC & VSC ECU.