DI6IB–01

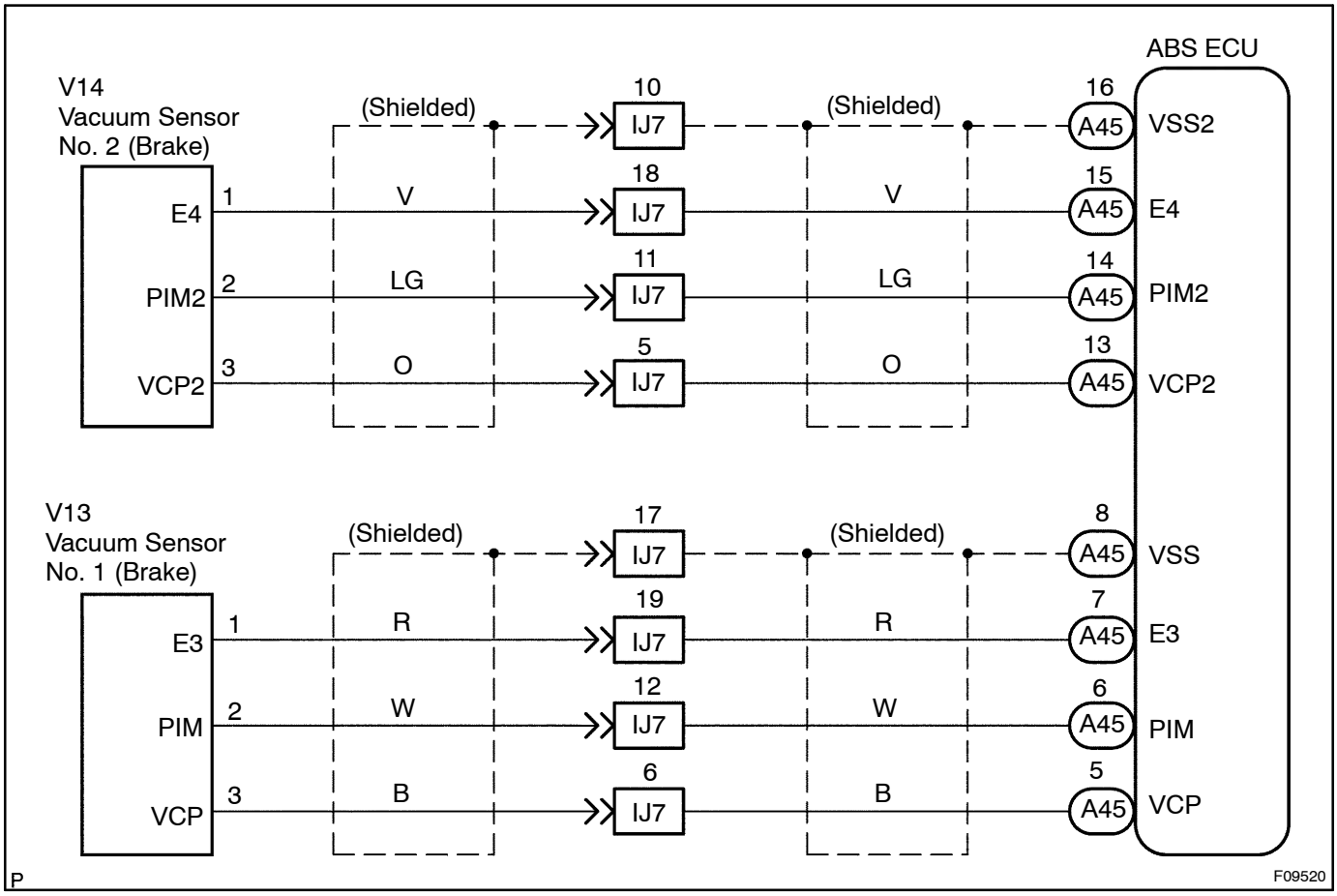
DTC	C1265 / 65	Vacuum Sensor Circuit

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1265 / 65	Either of the following 1. , 2. , 3. , 4. or 5. is detected: 1. IG1 terminal voltage is 19 to 36 V and VCM terminal voltage is other than the range of 4.7 to 5.3 V continues for 1.2 sec. or more. 2. The condition that PIM or PIM2 terminal voltage is other than the range of 0.4 to 4.5 V continues for 1.2 sec. or more. 3. From the time that PMC terminal voltage is over 1 V until 1 sec. after the stop light switch is OFF, the fluctuation of PIM or PIM2 terminal voltage is within 0.01 V. 4. PIM or PIM2 terminal receives noise 7 times or more within 5 sec. 5. The condition that the voltage difference between terminals PIM and PIM2 is 344 mV or more continues for 10 sec. or more.	• Vacuum sensor • Vacuum sensor circuit

Fail safe function:
If any trouble occurs in the vacuum sensor circuit, the ECU prohibits BRAKE PRESSURE INCREASE FUNCTION.
HINT:
When the brake pedal is depressed firmly, the brake force may be lowered.

WIRING DIAGRAM



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 hand–held tester.

1	**Check output value of the vacuum sensor No. 1 and No. 2.**

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 DATALIST mode on the hand–held tester.

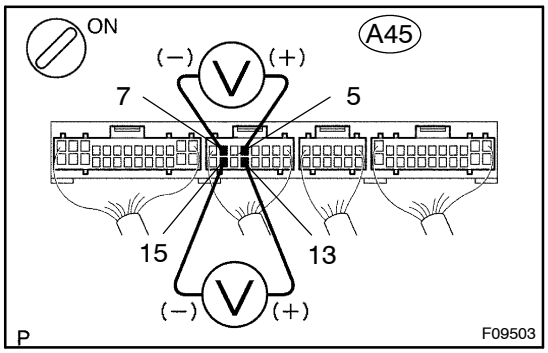
CHECK:
Check that the output voltage value of the vacuum sensor No. 1 and No. 2 displayed on the hand–held tester is changing while depressing the brake pedal several times.

OK:
Vacuum sensor output voltage value must be changing.

OK → **Check and replace ABS ECU.**

NG

2	**Check the voltage between terminals VCP (A45 – 5) and E_3 (A45 – 7), VCP2 (A45 – 13) and E_4 (A45 – 15) of the ABS ECU.**



PREPARATION:
(a) Remove the ABS ECU with connectors still connected.
(b) Turn the ignition switch ON.

CHECK:
Measure the voltage between terminals A45 – 5 and A45 – 7, and A45 – 13 and A45 – 15.

OK:
Voltage: 4.5 – 5.5 V

NG → **Check and replace ABS ECU.**

OK

3	**Check for open and short circuit in harness and connector between vacuum sensor No. 1, No. 2 and ABS ECU.**

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

OK

4	Check vacuum sensor No. 1 and No. 2 (See page DI–3).

NG → Replace vacuum sensor.

OK

Check and replace ABS ECU.