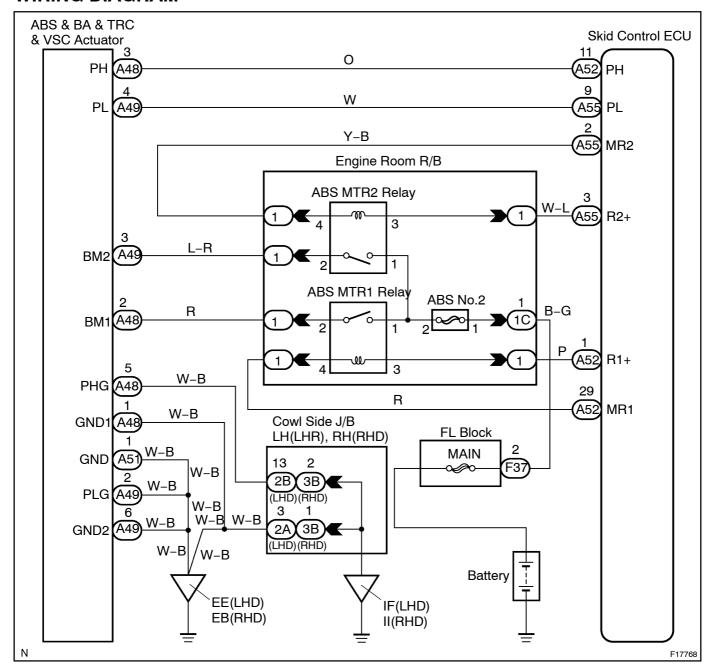
DI6XT-03

| DTC | C1256 / 56 | Accumulator Low Pressure Malfunction |
|-----|------------|--------------------------------------|
| | | tion |

CIRCUIT DESCRIPTION

| DTC No. | DTC Detecting Condition | Trouble Area |
|------------|---|---|
| C1256 / 56 | Either of the following 1. through 7. is detected: With the vehicle running, when the pressure switch (PL) detects high pressure, although ABS, TRC or VSC does not control, the pressure switch (PL) detects low pressure for more than 1.4 sec. With the vehicle running, when the pressure switch (PL) detects high pressure, although ABS, TRC or VSC controls, the pressure switch (PL) detects low pressure for more than 0.2 sec. After the ignition switch is turned ON, the pressure switch (PL) detects low pressure for more than 64 sec. With the vehicle running, after ignition switch has been ON, the pressure switch (PL) detects low pressure for more than 0.2 sec. although ABS, TRC, or VSC does not control and when the pressure switch is ON and stuck under high pressure. With the vehicle running, after ignition switch is ON, the pressure switch (PL) detects low pressure for more than 0.2 sec. when ABS, TRC or VSC controls, the pressure switch is ON and stuck under high pressure. With the vehicle running, after ignition switch is ON, the pressure switch (PL) is stuck to under low pressure although ABS, TRC or VSC does not control for more than 1.4 sec. With the vehicle running, after ignition switch is ON, the pressure switch (PL) is stuck under low pressure when ABS, TRC or VSC controls for more than 0.2 sec. | Accumulator Pressure switch (PH or PL) Hydraulic brake booster pump motor |

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check accumulator operation.

PREPARATION:

(a) Turn the ignition switch OFF, and depress the brake pedal 40 times or more.

HINT:

When a pressure in power supply system is released, reaction force becomes light and stroke becomes longer.

(b) Install the LSPV gauge (SST) to rear brake caliper and bleed air. SST 09709-29018

CHECK:

Depress the brake pedal with force of more than 343 N (35 kgf, 77 lbf) and turn the ignition switch ON, then check the rear brake caliper pressure when an increase of pressure changes from acutely to mildly.

OK:

5,099 - 8,924 kPa (52 - 91 kgf/cm², 740 - 1,294 psi) at 20°C (68°F)

HINT:

If the value is not within the standard, cool the engine room and check it again.

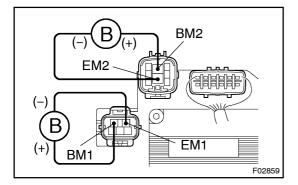
NG

Replace accumulator.

OK

2

Check operation of hydraulic brake booster pump motor.



PREPARATION:

Disconnect the 2 connectors from the hydraulic brake booster. **CHECK:**

Connect battery positive \oplus lead to BM1 or BM2 terminal and battery negative \ominus lead to EM1 or EM2 terminal of the hydraulic brake booster (pump motor) connector.

OK:

The operation sound of the pump motor should be heard.

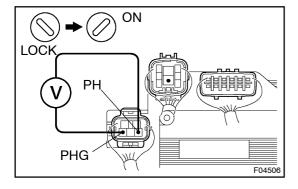
NG

Go to step 7.

OK

3

Check pressure switch (PH) operation.



PREPARATION:

(a) Turn the ignition switch OFF, and depress the brake pedal 40 times or more.

HINT:

When a pressure in power supply system is released, reaction force becomes light and stroke becomes longer.

(b) Install the LSPV gauge (SST) to the rear brake caliper and bleed air.

SST 09709-29018

CHECK:

While thecking the voltage between terminals PH and PHG of hydraulic rake booster, depress the rake bedal with force of more than 343 N 35 kgf, 77 bf) and turn the ignition witch ON, then beck the rear wheel cylinder pressure when voltage changes from 6 V to OV.

OK:

12,553 -[20,104[kpa[]128 -[205[kgf·cm²]]1,820 -[2,916 psi)

PREPARATION:

Turn[the[ignition]switch[DFF[and[disconnect[the[connector][5P]] from[the[hydraulic]brake[booster.]

CHECK:

While the cking the fles is tance between terminals PHand PHG, depress the brake bedal thanging the florce in the flange of 197 N (20 kgf, 44 lbf) (10 343 N (35 kgf, 77 lbf) and the ck the flear wheel the fless wheel than the fland PHG.

OK:

11[964 – 18,240[kpa[122 – 186[kgf·cm²] 1,735 – 2,645 psi)

HINT:

After[inspection,@onnect[the@onnector,[fill[brake[feservoir[with brake[fluid[and@lear[the[DTC[See[page[DI-185]).

ok□

Go[to[step[5.



4□

PHG

Check[for[open[circuit[]n[harness[and[connector[between[pressure[switch[]PH] and ABS&BA&TRC&VSCECU[See[page]N-38].

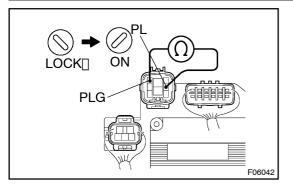
NG

Repair or replace harness or connector.

OK

Replace hydraulic brake booster assembly.

5 | Check pressure switch (PL) operation.



PREPARATION:

(a) Turn the motor witch OFF, and depress the brake pedal 40 times or more.

HINT:

When the pressure in power supply system is released, reaction force becomes ight and stroke becomes onger.

(b) Install[the[LSPV[gauge[(SST)[to[the[rear[brake[caliper and[bleed[air.]

SST[] 09709 -29018

(c) Disconnect[he[connector[8P)[from[he[hydraulic[brake booster.]

CHECK:

While the cking the resistance between terminals PL and PLG of hydraulic brake booster, depress the brake pedal with force of more than 343 N (35 kgf, 77 lbf) and turn the ignition witch ON, then the rear wheel tylinder pressure when the resistance thanges from $5.7 k\Omega$ to $1.0 k\Omega$.

OK:

Turn[the[ignition[switch[DFF]]]and[disconnect[the[]]]connector[][8P) from[][he[][hydraulic[]]prake[][booster.

CHECK:

While thecking the resistance between terminals PL and PLG of hydraulic brake booster, depress the brake pedal changing the force in the range of 197 N 20 kgf, 44 bf) to 343 N 35 kgf, 77 bf) and check the rear wheel cylinder pressure when resistance changes from 1.0 k Ω to 5.7 k Ω .

OK:

8,532 – 13,337 kpa (87 – 136 kgf·cm², 1,237 – 1,934 psi) HINT:

After inspection, connect the connector, fill brake reservoir with brake liuid and lear the DTC see page DI-185).

NG

Replace hydraulic brake booster assembly.

ΟK

6∏

Check[pressure[switch[(PH)]and[pressure[switch[(PL)

CHECK:

Compare the pressure value of the rear wheel cylinder measured in the ck pressure witch PL) operation with the one measured in the ck pressure witch PH) operation.

OK:

- Pressure when the voltage between PH and PHG becomes 6 to 0 V pressure when the resistance between PL and PLG becomes 5.7 Ω .
- Pressure when the resistance between PH and PHG becomes $0 \k\Omega$ to $1 \k\Omega$ pressure when the resistance between PL and PLG becomes 1.0 $\k\Omega$ to $5.7 \k\Omega$.

NG

Replace[hydraulic[brake[booster[assembly.

OK

 $\label{lem:check_and_replace} \begin{tabular}{ll} Check \end{tabular} ABS \end{tabular} \begin{tabular}{ll} EA \end{tabu$

7 Check[for[open[or[short[circuit]]n[harness[and[connector[between[hydraulic|brake[booster[cump[motor[and[hydraulic[brake[booster[See[page]]N-38]].

NG

Replace wire harness.

OK

8 Check hydraulic brake booster pump motor (See Pub. No. RM731E on page BR-8).

NG

Replace hydraulic brake booster pump motor.

OK

Replace hydraulic brake booster.