DI601–02

DTC	C0226 / 21 – C1227 / 27	ABS Solenoid Circuit

CIRCUIT DESCRIPTION

This solenoid goes on when signals are received from the ECU and controls the pressure acting on the wheel cylinders thus controlling the braking force.

DTC No.	DTC Detecting Condition	Trouble Area
C0226 / 21	Open or short circuit for SFRH or SFRR circuit continues for 0.05 sec. or more.	• ABS actuator • SFRH or SFRR circuit
C0236 / 22	Open or short circuit for SFLH or SFLR circuit continues for 0.05 sec. or more.	• ABS actuator • SFLH or SFLR circuit
C0246 / 23	Open or short circuit for SRRH or SRRR circuit continues for 0.05 sec. or more.	• ABS actuator • SRRH or SRRR circuit
C0256 / 24	Open or short circuit for SRLH or SRLR circuit continues for 0.05 sec. or more.	• ABS actuator • SRLH or SRLR circuit
C1225 / 25	Open or short circuit for SMCF or SMCR circuit continues for 0.05 sec. or more.	• ABS actuator • SMCF or SMCR circuit
C1227 / 27	Open or short circuit for SRCF or SRCR circuit continues for 0.05 sec. or more.	• ABS actuator • SRCF or SRCR circuit

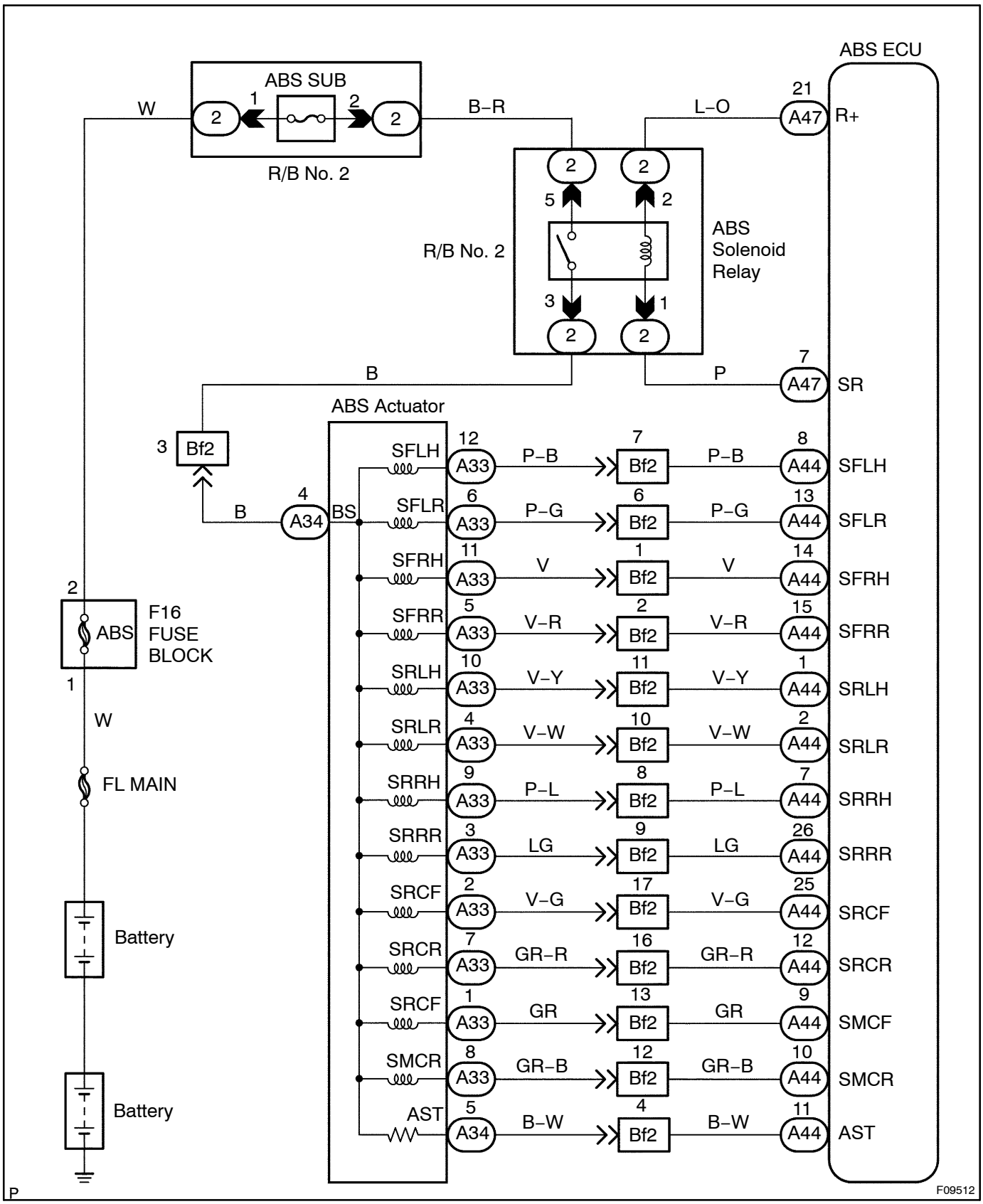
Fail safe function:

If any trouble occurs in the actuator solenoid circuit, the ECU cuts off current to the ABS solenoid relay and prohibits ABS controls and BRAKE PRESSURE INCREASE FUNCTION.

HINT:

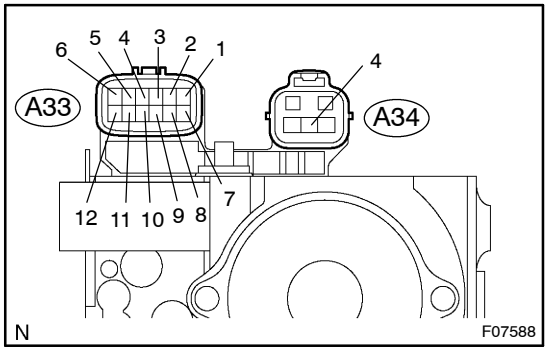
When the brake pedal is depressed firmly, the brake force may be lowered.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check ABS actuator solenoid.**



PREPARATION:
Disconnect the 2 connectors from the ABS actuator.
CHECK:
Check continuity between terminals A34 – 4 and A33 – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12 of ABS actuator.
OK:

Continuity

HINT:
(Reference)
Resistance of each solenoid
SFRH, SFLH, SRRH, SRLH, SMCF, SMCR: 31.7 – 35.7 Ω
SFRR, SFLR, SRRR, SRLR: 15.9 – 17.9 Ω
SRCF, SRCR: 20.5 – 23.5 Ω

NG → **Replace ABS actuator.**

OK

2	**Check for open and short circuit in harness and connector between ABS ECU and ABS actuator (See page IN–21).**

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.