

<b>DTC</b>	<b>C0226/21 – C0256/24</b>	<b>ABS Actuator Solenoid Circuit</b>
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## CIRCUIT DESCRIPTION

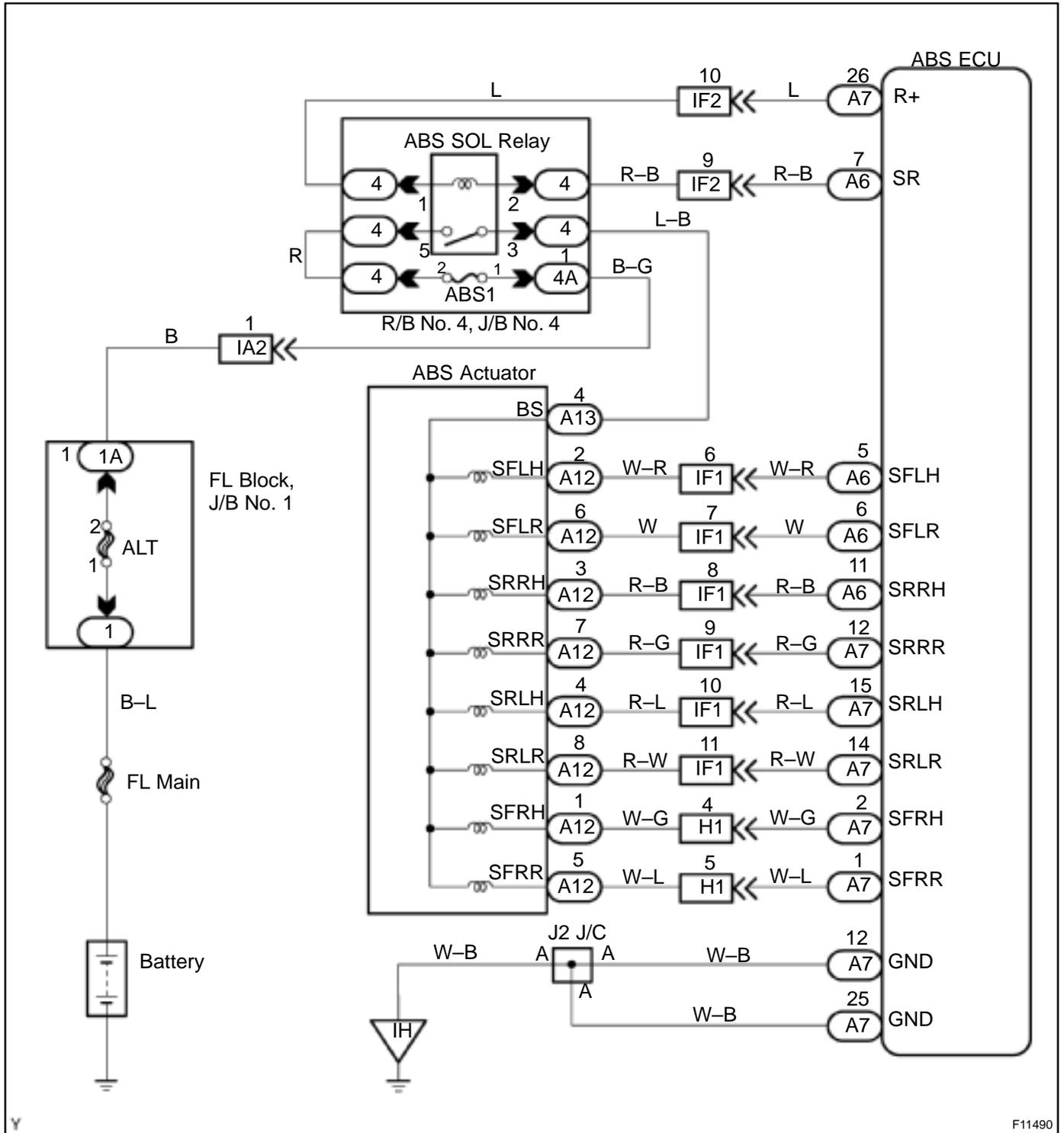
This solenoid goes on when signals are received from the ECU and controls the pressure acting on the wheel cylinders thus controlling the braking force.

DTC No.	DTC Detection Condition	Trouble Area
C0226/21	Condition 1. or 2. continues for 0.05 sec. or more: 1. IG1 terminal voltage of ABS ECU is 9.5 – 18.5 V, there is open or short circuit in actuator solenoid SFRR or SFRH. 2. IG1 terminal voltage of ABS ECU is 9.5 – 18.5 V, and while ABS control is in operation.*	<ul style="list-style-type: none"> <li>• ABS actuator</li> <li>• SFRR or SFRH circuit</li> </ul>
C0236/22	Condition 1. or 2. continues for 0.05 sec. or more: 1. IG1 terminal voltage of ABS ECU is 9.5 – 18.5 V, there is open or short circuit in actuator solenoid SFLR or SFLH. 2. IG1 terminal voltage of ABS ECU is 9.5 – 18.5 V, and while ABS control is in operation.*	<ul style="list-style-type: none"> <li>• ABS actuator</li> <li>• SFLR or SFLH circuit</li> </ul>
C0246/23	Condition 1. or 2. continues for 0.05 sec. or more: 1. IG1 terminal voltage of ABS ECU is 9.5 – 18.5 V, there is open or short circuit in actuator solenoid SRRR or SRRH. 2. IG1 terminal voltage of ABS ECU is 9.5 – 18.5 V, and while ABS control is in operation.*	<ul style="list-style-type: none"> <li>• ABS actuator</li> <li>• SRRR or SRRH circuit</li> </ul>
C0256/24	Condition 1. or 2. continues for 0.05 sec. or more: 1. IG1 terminal voltage of ABS ECU is 9.5 – 18.5 V, there is open or short circuit in actuator solenoid SRLR or SRLH. 2. IG1 terminal voltage of ABS ECU is 9.5 – 18.5 V, and while ABS control is in operation.*	<ul style="list-style-type: none"> <li>• ABS actuator</li> <li>• SRLR or SRLH circuit</li> </ul>

\*: Solenoid relay contact ON condition:

All of solenoid terminal voltage is half or less than IG1 terminal voltage .

# WIRING DIAGRAM

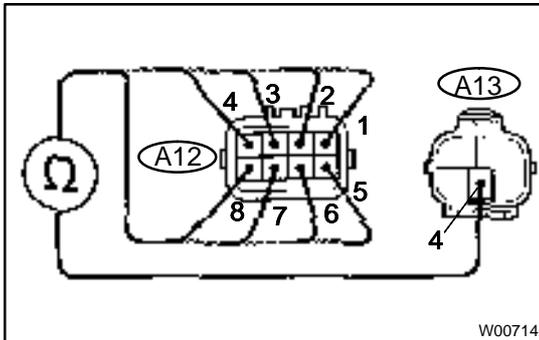


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## INSPECTION PROCEDURE

## 1 Check ABS actuator solenoid.

**PREPARATION:**

Disconnect the 2 connectors from the ABS actuator.

**CHECK:**

Check the continuity between terminals A13-4 and A12-1, 2, 3, 4, 5, 6, 7, 8 of the ABS actuator connector.

**OK:****Continuity****HINT:**

Resistance of each solenoid coil

SRLR, SRRR, SFLR, SFRR: 4.3 Ω

SRLH, SRRH, SFLH, SFRH: 8.8 Ω

NG

Replace ABS actuator.

OK

2 Check for open and short circuit in harness and connector between ABS ECU and actuator (See page [IN-28](#)).

NG

Repair or replace harness or connector.

OK

If same code is still output after DTC is deleted, check connections. If connections are normal, ECU may be defective.