

4. ABS Sequence Control

A: OPERATION

- 1) While the ABS sequence control is being performed, the operation of the VDCH/M can be checked after the operation of the VDCH/M solenoid valve, using the brake tester or pressure gauge.
- 2) ABS sequence control can be started by the Subaru Select Monitor.

1. ABS SEQUENCE CONTROL WITH SUBARU SELECT MONITOR

- 1) Connect the Subaru Select Monitor to the Subaru data link connector under the driver's side instrument panel lower cover.
- 2) Turn the ignition switch ON.
- 3) Run the Subaru Select Monitor.
- 4) Set the Subaru Select Monitor to "BRAKE CONTROL" mode.
- 5) When the "Function check sequence" is selected, the "ABS sequence control" will start.
- 6) Execute the following operations when the message "Press Brake Pedal with braking force of 100 to 150 kgf" is displayed.
 - (1) When using a brake tester, press the brake pedal with a force of 1,000 N (102 kgf, 224 lb).
 - (2) When using the pressure gauge, press the brake pedal so as to make the pressure gauge indicate 3,500 kPa (36 kg/cm², 508 psi).
- 7) "OK" will be displayed. Select the «OK».
- 8) The brake system being operated is displayed on the Subaru Select Monitor.

ABS Sequence Control

VEHICLE DYNAMICS CONTROL (VDC)

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| (1) Operation guide line of the sequence control | (11) Pressure sensor | (24) RL inlet solenoid valve |
| (2) Operation pattern of sequence control | (12) Valve relay | (25) Pump motor |
| (3) Operating pressure of sequence control | (13) Secondary cut valve | (26) Master cylinder pressure |
| (4) All wheel speeds | (14) Primary cut valve | (27) FL wheel cylinder pressure |
| (5) Point A | (15) Secondary suction valve | (28) FR wheel cylinder pressure |
| (6) Ignition switch | (16) Primary suction valve | (29) RR wheel cylinder pressure |
| (7) ABS warning light | (17) FL outlet solenoid valve | (30) RL wheel cylinder pressure |
| (8) VDC warning light | (18) FL inlet solenoid valve | (31) 1.5 seconds |
| (9) 0.4 second | (19) FR outlet solenoid valve | (32) 1.4 seconds |
| (10) VDC operation indicator light | (20) FR inlet solenoid valve | (33) 1.0 second |
| | (21) RR outlet solenoid valve | (34) 0.6 second |
| | (22) RR inlet solenoid valve | (35) Light ON |
| | (23) RL outlet solenoid valve | |

NOTE:

Operation starts from point A.

B: SPECIFICATION

1. CONDITIONS FOR COMPLETION OF ABS SEQUENCE CONTROL

When the following conditions develop, the ABS sequence control stops and ABS operation is returned to the normal mode.

- 1) When the speed of at least one wheel reaches 10 km/h (6 MPH).
- 2) When the brake pedal is released during sequence control and the stop lamp switch becomes OFF.
- 3) After completion of the sequence control.
- 4) When a problem is detected.