

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) Set the Subaru Select Monitor switch to ON.

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 steps when the message "Press Brake Pedal with braking force of 100 to 150 kgf" is displayed.

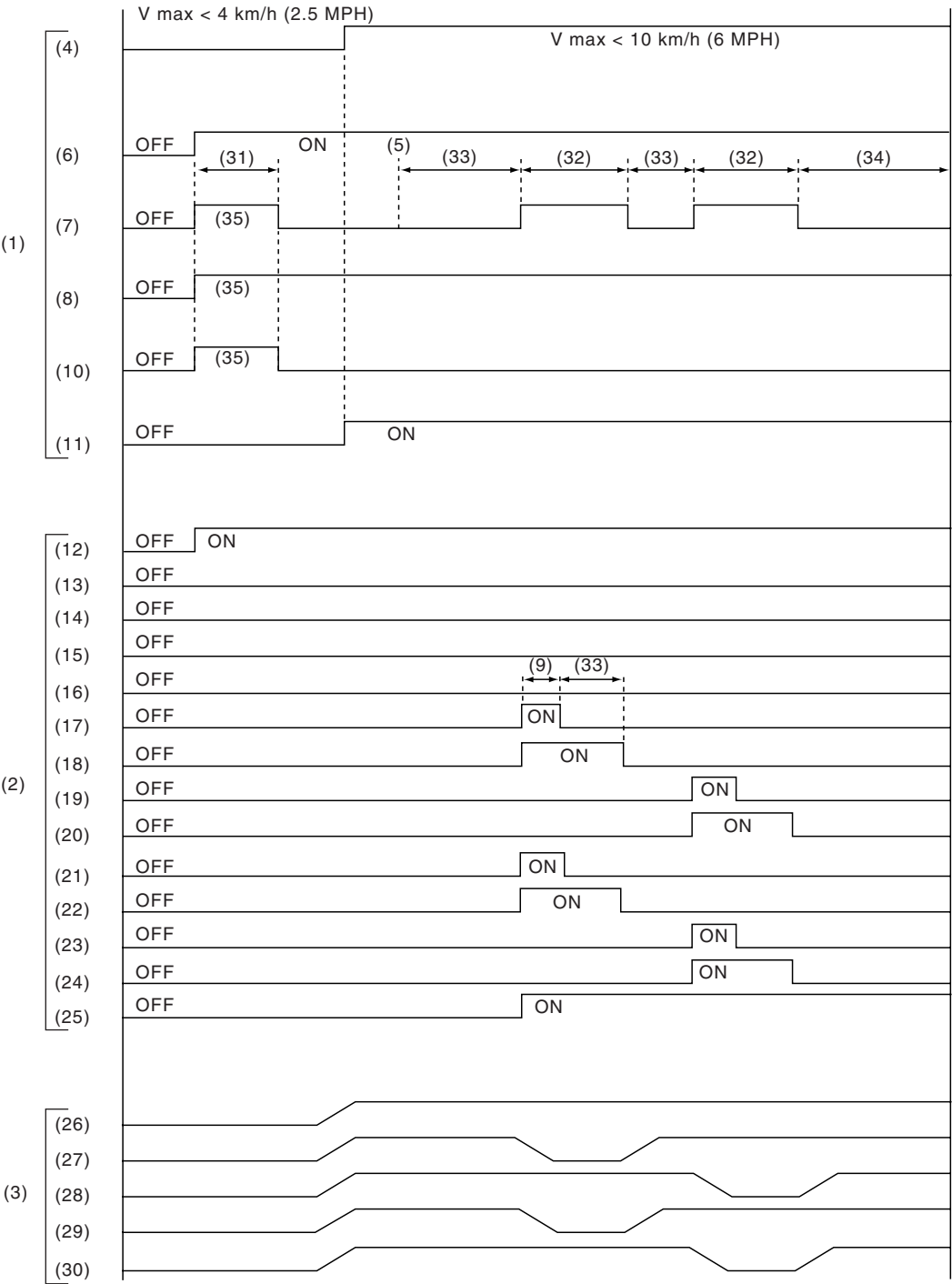
(1) When using a brake tester, press the brake pedal with a force of 1,000 N (102 kgf, 224 lb).

(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) If "Press YES" is displayed, press the «YES» key.

8) The brake line being operated is displayed on the Subaru Select Monitor.

2. CONDITIONS FOR ABS SEQUENCE CONTROL



ABS Sequence Control

VEHICLE DYNAMICS CONTROL (VDC)

- | | | |
|--|-------------------------------|---------------------------------|
| (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.