

## 4. ABS Sequence Control

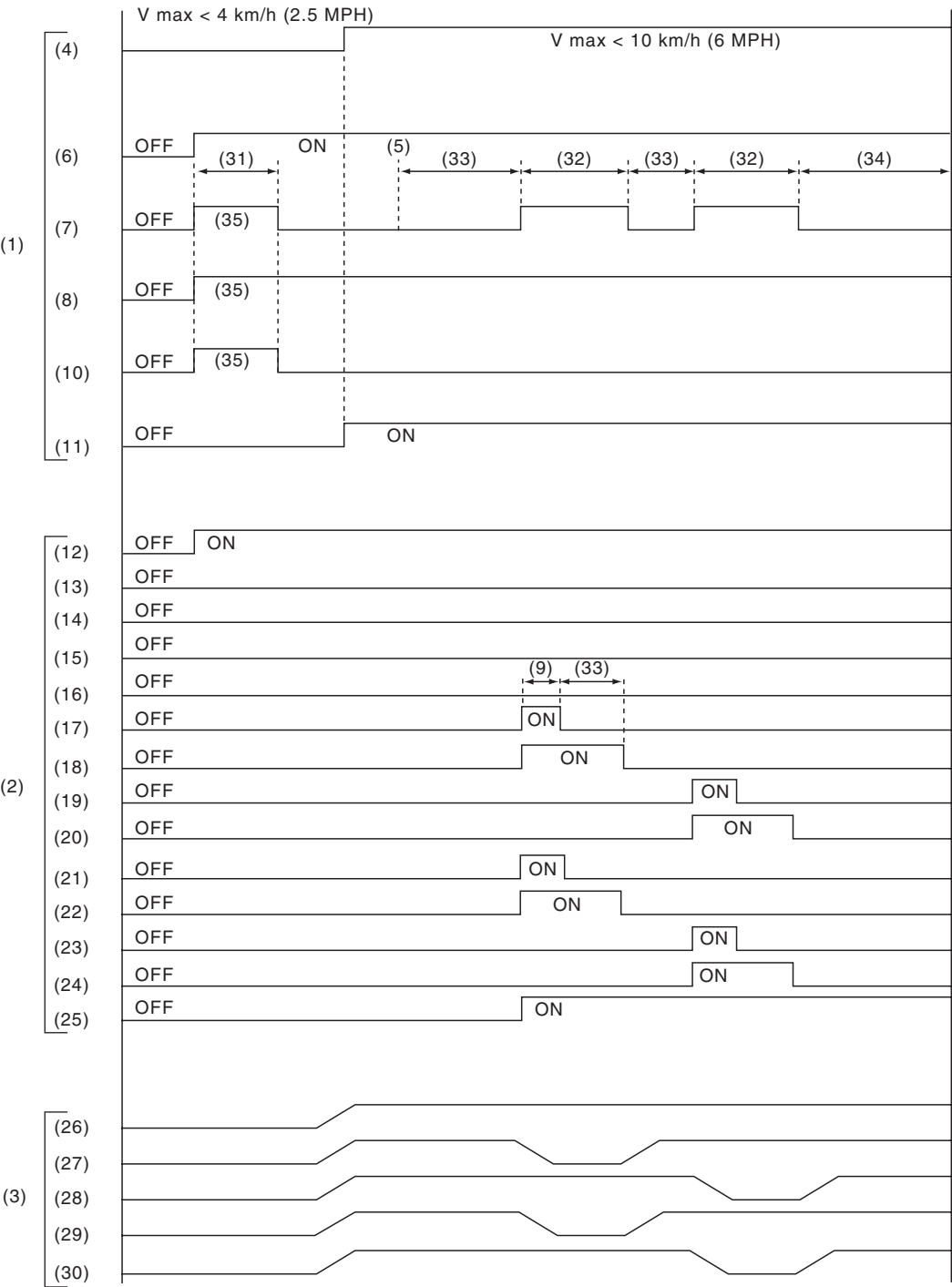
### A: OPERATION

- 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 the "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, 225 lb).
  - (2) When using the pressure gauge, press the brake pedal so as to make the pressure gauge indicate 3,500 kPa (36 kg/cm<sup>2</sup>, 507 psi).
- 7) "OK" will be displayed. Select the "OK".
- 8) The brake system being operated is displayed on the Subaru Select Monitor.

2. CONDITIONS FOR ABS SEQUENCE CONTROL



VDC00353

# 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 seconds                                  | (19) FR outlet solenoid valve | (32) 1.4 seconds                |
| (10) VDC indicator light                         | (20) FR inlet solenoid valve  | (33) 1.0 second                 |
|  | (21) RR outlet solenoid valve | (34) 0.6 seconds                |
|  | (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.