# 4. ABS Sequence Control

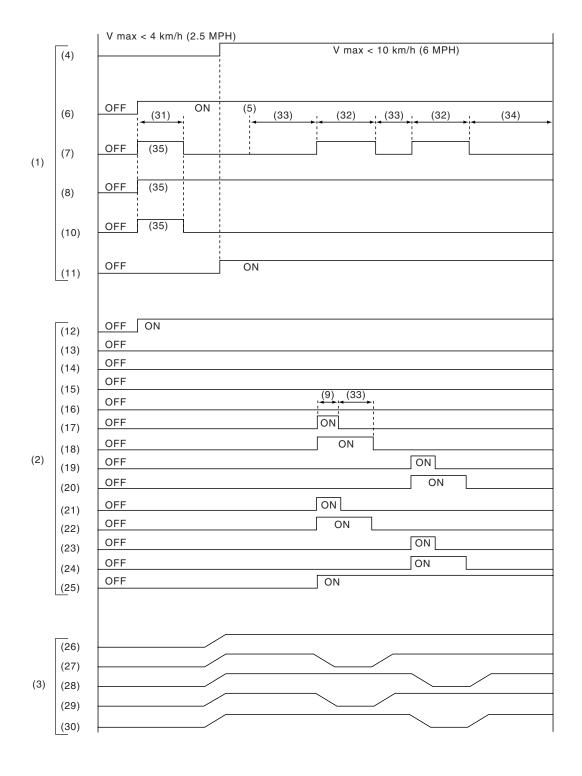
# A: OPERATION

- 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 SUB-ARU 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/cm<sup>2</sup>, 508 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	(11)	Pressure sensor	(24)	RL inlet solenoid valve
	sequence control	(12)	Valve relay	(25)	Pump motor
(2)	Operation pattern of sequence control	(13)	Secondary cut valve	(26)	Master cylinder pressure
		(14)	Primary cut valve	(27)	FL wheel cylinder pressure
(3)	Operating pressure of sequence control	(15)	Secondary suction valve	(28)	FR wheel cylinder pressure
		(16)	Primary suction valve	(29)	RR wheel cylinder pressure
(4)	All wheel speeds	(17)	FL outlet solenoid valve	(30)	RL wheel cylinder pressure
(5)	Point A	(18)	FL inlet solenoid valve	(31)	1.5 seconds
(6)	Ignition switch	(19)	FR outlet solenoid valve	(32)	1.4 seconds
(7)	ABS warning light	(20)	FR inlet solenoid valve	(33)	1.0 second
(8)	VDC warning light	(21)	RR outlet solenoid valve	(34)	0.6 second
(9)	0.4 second	(22)	RR inlet solenoid valve	(35)	Light ON
(10)	VDC operation indicator light	(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 is becomes OFF.
- 3) After completion of the sequence control.
- 4) When a problem is detected.