5. VDC Sequence Control 5402195

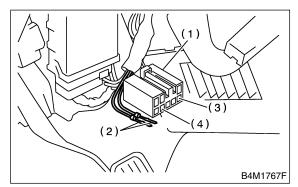
A: OPERATION S402195A16

1) Under the VDC sequence control, after the hydraulic unit solenoid valve is driven, the operation of the hydraulic unit can be checked by means of the brake tester or pressure gauge.

2) VDC sequence control can be started by diagnosis connector or select monitor.

1. VDC SEQUENCE CONTROL WITH DIAGNOSIS CONNECTOR 5402195A1601

1) Connect diagnosis terminals to terminals No. 5 and No. 8 of the diagnosis connector beside driver's seat heater unit.



- (1) Diagnosis connector
- (2) Diagnosis terminal
- (3) 8 terminal
- (4) 5 terminal

2) Set the speed of all wheels at 2.75 km/h (2 MPH) or less.

3) Turn ignition switch OFF.

4) Turn ignition switch ON and start engine immediately, confirming that ABS and VDC warning light goes ON and then OFF. After ABS and VDC warning light goes OFF, within 0.5 seconds depress the brake pedal once, then within 3 second depress the brake pedal twice more and release it.

CAUTION:

Do not depress the clutch pedal.

NOTE:

• When the ignition switch is set to on, the brake pedal must not be depressed.

• Engine must operate.

• If the VDC sequence control does not start, do the procedure over again.

5) After completion of VDC sequence control, turn ignition switch OFF.

2. VDC SEQUENCE CONTROL WITH SELECT MONITOR 5402195A1602

NOTE:

• In the event of any trouble, the sequence control may not be operative. In such a case, activate the sequence control, referring to "VDC SEQUENCE CONTROL WITH DIAGNOSIS CON-NECTOR".

<Ref. to VDC-19, VDC SEQUENCE CONTROL WITH DIAGNOSIS CONNECTOR, OPERATION, VDC Sequence Control.>

• When the diagnosis terminal is connected to the diagnosis connector, the sequence control will not operate.

 Connect select monitor to data link connector beside driver's seat instrument panel lower cover.
 Turn ignition switch ON.

3) Turn select monitor switch ON.

4) Put select monitor to "BRAKE CONTROL" mode.

5) Select "VDC Check Mode" in {Function check sequence} menu to start 'VDC sequence control'.

CAUTION:

Do not depress the clutch pedal.

6) When the message "Press YES" is displayed, press \ll YES \gg key.

7) Operation points will be displayed on select monitor.

VDC SEQUENCE CONTROL

3. CONDITIONS FOR VDC SEQUENCE CONTROL S402195A1603

		2.75 km/h (2 MPF	l) or less					
	 Speed of all wheels		10 km/h (6 MPH) or le			r less		
Operational guide line of sequence control	Terminal No. 5 and No. 8	LOW						
	Ignition key switch	OFF			ON (Engine ru	n)		
	Ignition key switch	1.5s	Point A	s3.	4s <u>1</u> s	,	3.4s	1.6s
	ABS warning light	OFF LIGHT						-
			Within 0.5s					
		OFF LIGHT	Vitanii 0.00					_
	VDC warning light							
	VDC. OFF indicator light	OFF	LIGHT					
	VDC operation indicator light	OFF	Within 3s ¦	LIGHT				
		OFF						
	Pressure sensor signal		ON LI LI					
Operational pattern of sequence control	AET	LOW HIGH						
	AEB	LOW HIGH						
	AEC	LOW HIGH						
	EAM	LOW HIGH						
	Valve relay	OFF ON						
	Secondary cut valve	OFF		ON				
	Primary cut valve	OFF		0.8s ₩ Withir	n 0.4		ON	
	Secondary suction valve	OFF						
	Primary suction valve	OFF			↔ 0.4s			
	FL outlet valve	OFF						
	FL inlet valve	OFF			ON			
	FR outlet valve	OFF		¦~	1.6s			ON
	FR inlet valve	OFF					ON	
	RR outlet valve	OFF			ON			
	RR inlet valve	OFF			ON			
	RL outlet valve	OFF					C	N
	RL inlet valve	OFF					ON	
	Pump motor	OFF		ON				
Operational pressure of sequence control	 Pressure of master cylinder							
	Pressure of FR wheel cylinder							
	Pressure of FL wheel cylinder			_				
	Pressure of RL wheel cylinder							\searrow
	Pressure of RR wheel cylinder							

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NOTE:

When select monitor is used, control operation starts at point A. The patterns from IGN key ON to the point A show that operation is started by diagnosis connector.
HIGH means high voltage.
LOW means low voltage.

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B: SPECIFICATION S402195A22

1. CONDITIONS FOR COMPLETION OF VDC SEQUENCE CONTROL S402195A2201

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

1) When the speed of at least one wheel reaches 10 km/h (6 MPH).

2) When terminal No. 5 or No. 8 are separated from diagnosis terminals. (When select monitor is not used.)

3) When the brake pedal is released during sequence control and the braking lamp switch is set to off.

4) When brake pedal is depressed after ignition key is turned to ON, and before VDC warning light goes out. (When select monitor is not used.)

5) When brake pedal is not depressed after ignition key is turned to ON, and within 0.5 seconds after VDC warning light goes out. (When select monitor is not used.)

6) After completion of the sequence control.

7) When malfunction is detected. (When select monitor is used.)