



System Outline

This system controls the respective brake fluid pressures acting on the brake cylinders of the right front wheel, left front wheel, and rear wheels when the brakes are applied in a panic stop so that the wheels do not lock. This results in improved directional stability and steerability during panic braking.

1. Input Signal

(1) Speed sensor signal

The speed of the wheels is detected and input to TERMINALS FL+, FR+, RL+ and RR+ of the skid control ECU with actuator.

(2) Stop lamp SW signal

A signal is input to TERMINAL STP of the skid control ECU with actuator when the brake pedal is depressed.

2. System Operation

During sudden braking, the skid control ECU with actuator which has signals input from each sensor lets the hydraulic pressure acting on each wheel cylinder escape to the reservoir.

The pump inside the skid control ECU with actuator is also operating at this time and it returns the brake fluid from the reservoir to the master cylinder, thus preventing locking of vehicle wheels.

If the skid control ECU with actuator judges that the hydraulic pressure acting on the wheel cylinder is insufficient, the current acting on the solenoid is controlled and the hydraulic pressure is increased.

Holding of the hydraulic pressure is also controlled by the ECU, by the same method as above, by repeated pressure reduction. Holding and increase are repeated to maintain vehicle stability and to improve steerability during sudden braking.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page	
A9	48 (LHD)	B18	53 (*5)	B36	44 (*1)	
	56 (RHD)		54 (*6)		45 (*2)	
A10	48 (LHD)	B19	44 (*1)		46 (*3)	
	56 (RHD)		45 (*2)		52 (*4)	
A24	48 (LHD)		46 (*3)		H20	53 (*5)
	56 (RHD)		52 (*4)			54 (*6)
A25	48 (LHD)		53 (*5)	H23	49 (LHD)	
	56 (RHD)		54 (*6)		57 (RHD)	
B2	48 (LHD)	B20	44 (*1)	n1	49 (LHD)	
	56 (RHD)		45 (*2)		57 (RHD)	
B3	48 (LHD)		46 (*3)	n2	51 (LHD)	
	56 (RHD)		52 (*4)		59 (RHD)	
B18	44 (*1)		53 (*5)	B34	51 (LHD)	
	45 (*2)		54 (*6)		59 (RHD)	
	46 (*3)	48 (LHD)				
	52 (*4)	56 (RHD)				

○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

○ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5C	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5D		
5H		
5J		
5M	31	
5S		

* 1 : LHD 2TR-FE * 2 : LHD 2KD-FTV * 3 : LHD 5L-E * 4 : RHD 2TR-FE * 5 : RHD 2KD-FTV * 6 : RHD 5L-E * 7 : 2TR-FE
* 8 : 2KD-FTV, 5L-E

 : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
BP2	66 (LHD)	Engine Room Main Wire and Frame Wire (Under the Floor Panel)
	74 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
Pn1	66 (LHD)	Frame Wire and Skid Control Sensor Wire (Under the Floor Panel)
	74 (RHD)	

 : Ground Points

Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
	72 (RHD)	
A2	64 (LHD)	Dash Panel Left
	72 (RHD)	

