

ABS CONTROL OUTLINE

B3E041343750T05

Feature

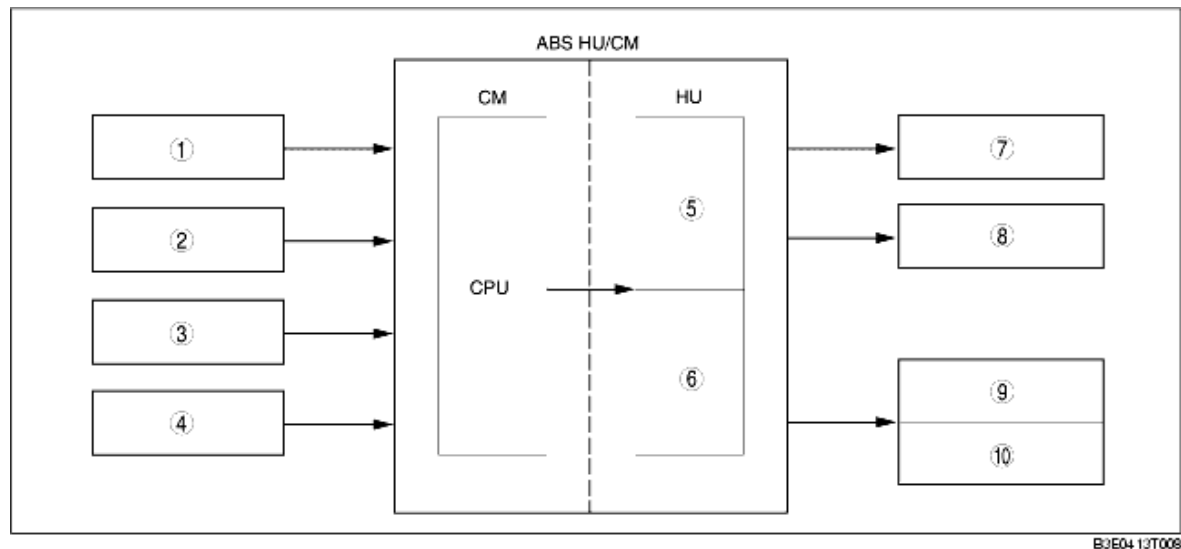
- ABS control occurs when wheel slip is determined by the ABS CM (based on the four ABS wheel-speed sensors). Then, the ABS HU inlet and outlet solenoid valves are operated and brake fluid pressure is controlled accordingly to prevent wheel lock-up.
- Use of ABS control during emergency braking or on slippery road surfaces allows directional stability to be maintained, steerability ensured and stopping distance to be reduced.
- The ABS control system has independent front wheel control and unified control (select low) for the rear wheels.

Note

- Select low control: A control system in which the left and right vehicle wheel speeds are compared and brake fluid pressure is controlled according to the wheel most likely to lock-up.

STRUCTURE

Block Diagram



B3E04 13T008

1	ABS wheel-speed sensor (LF)
2	ABS wheel-speed sensor (RF)
3	ABS wheel-speed sensor (LR)
4	ABS wheel-speed sensor (RR)
5	Solenoid valve
6	Pump motor
7	Caliper piston (LF)
8	Caliper piston (RF)
9	Caliper piston (LR)
10	Caliper piston (RR)