

# TCS CONTROL OUTLINE

B3E041543750T07

## Outline

- TCS control actuates torque reduction through fuel cut and ignition timing control, as well as using brake control to control traction.

### Note

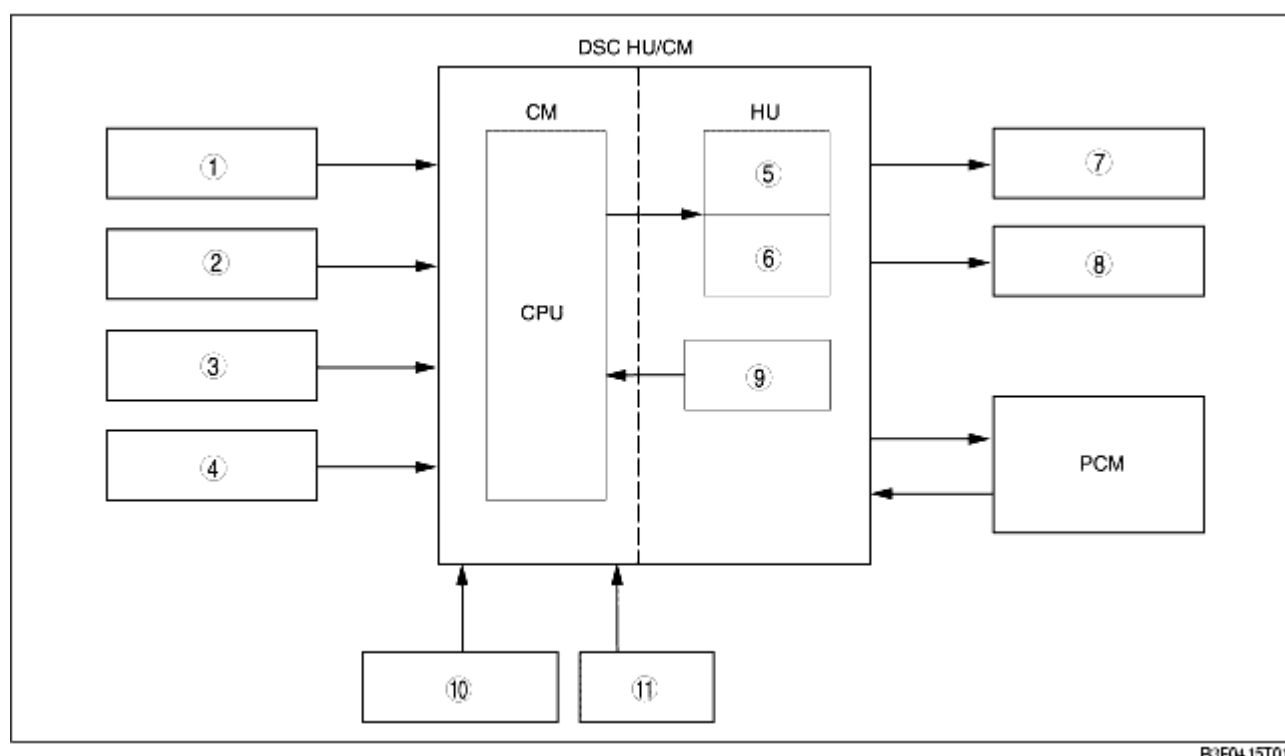
- Brake control: Brake fluid pressure from the hydraulic unit to the slipping driving wheel is increased, operating the brake and preventing driving wheel slip.

## Features

- The left and right wheels are controlled at the same time by fuel cut and ignition timing control. Therefore, when the road surface friction coefficients differ between the left and right wheels, proper torque reduction cannot be performed separately for each wheel. When this occurs, torque reduction is performed by independent left and right wheel brake control, providing much stabler vehicle control.

## STRUCTURE

### Block Diagram



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	Brake fluid pressure sensor
10	Steering angle sensor
11	Combined sensor