Objectives and Operating Conditions for Exhaust Retarder

Objective	Operating Conditions
Exhaust Brake	• Exhaust retarder switch (windshield wiper switch assembly) is ON. • Clutch is not operating. • Accelerator pedal is not operating. • Vehicle speed is more than predetermined value. • Transmission is not in neutral. • ABS is not operating.
Long Time Idling Control	• Vehicle is stopped. • Engine is idling for a long time. • Clutch is not operating. • Accelerator pedal is not operating. • Transmission is in neutral.

■ DIAGNOSIS

- When the ECM detects a malfunction, it outputs DTCs (Diagnosis Trouble Codes) and memorizes the failed section. Furthermore, the check engine warning light in the combination meter illuminates to inform the driver.
- At the same time, the DTCs are stored in memory. The DTCs can be read by connecting an Global TechStream (GTS).
- For details, refer to the Repair Manual.

■ FAIL SAFE

When the ECM detects a malfunction, it stops or controls the engine according to the data already stored in the memory. For details, refer to the Repair Manual.