

FAIL-SAFE CHART

1. FAIL-SAFE FUNCTION

- (a) When communication fails in any of the CAN bus lines (communication lines) due to a short circuit or other causes, the fail-safe function, which is specified for each system, operates to prevent the system from malfunctioning.
- (b) Effects on each system when communication is impossible. (For further details, see the pages for each system.)

Function	ECM	Skid Control ECU	Steering Sensor	Yaw Rate Sensor	Cruise Control ECU	Television Camera ECU	Suspension Control ECU	Gateway ECU	Condition when communication is impossible	DTC detection (Driver detectable)
VSC Control (Controls driving force while VSC is in operation)		Rx	Tx	Tx					VSC function stops	Detectable (Lamp comes on)
VSC Control (Controls driving force while VSC is in operation)	Rx	Tx							VSC function stops	Detectable (Lamp comes on)
Dynamic Laser Cruise (Maintains vehicle-to-vehicle distance)	Tx Rx	Tx Rx			Tx Rx				Vehicle-to-Vehicle distance control does not operate	Detectable (Lamp comes on)
Back Monitor (Displays direction of vehicle movement while reversing)			Tx			Rx			Back guide monitor only (Function stops)	Detectable (Recognized when vehicle direction is not displayed)
Air Suspension Control (Controls suspension properly based on vehicle conditions)	Tx	Tx					Rx		Control stops	Detectable (Air suspension does not display)
Meter Display (Displays operation condition and DTCs)	Tx	Tx						Rx	Lamp does not come on or remains on	Recognizable from indicator light malfunction

HINT:

- Rx: Reception from each ECU (sensor).
- Tx: Transmission to each ECU (sensor).