

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).