Function	Outline
Manual Cancel Control	If any of the following signals are sent to the ECM while the vehicle is running in cruise control mode, cruise control mode is canceled accordingly. ● Stop light switch ON signal (Depress the brake pedal) ● Clutch start switch OFF signal (Depress the clutch pedal/ models with manual transmission) ● D position circuit in neutral start switch OFF signal (models with automatic transmission) The shift lever is moved from D or 4 to any position except D or 4*1 The shift lever is moved from D or 3 to any position except D or 4*2 ● CANCEL switch on signal ● Main switch off signal
Automatic Cancel Control	When any of the following conditions occurs during cruise control driving, the speed that is set in the memory is cleared to cancel cruise control mode. Furthermore, the CRUISE control indicator light blinks until the main switch is turned off, and the operation of the cruise control is disabled until the main switch is turned on again. ● Stop light switch open or short circuit ● The vehicle speed signal abnormal
	When any of the following conditions occurs during cruise control driving, the speed that is set in the memory is cleared to cancel cruise control mode. Furthermore, the CRUISE control indicator light is turned off, and the operation of the cruise control is restricted until these malfunctions are resolved. ● ETCS-i malfunction*1 ● Common-rail fuel injection system abnormal*2
	When any of the following conditions occurs during cruise control driving, the speed that is set in the memory is cleared to cancel cruise control mode. Furthermore, the CRUISE control indicator light blinks until the main switch is turned off, and the operation of the cruise control is disabled until the ignition switch is turned off again. ● Stop light switch input signal abnormal ● Cancel circuit abnormal ● Microcomputer in ECM abnormal*2
	When any of the following conditions occurs during cruise control driving, cruise control is canceled. (Cruise control can be restarted.) ● The vehicle speed falls below the low speed limit (approx. 40 km/h). The set speed in the memory is maintained. ● The vehicle speed drops more than 16 km/h below the speed set for uphill driving. The set speed in the memory is cleared.
Other Cancellation Items	● While the vehicle is being driven under cruise control mode, cruise control mode will be canceled if the VSC is activated. (The set speed will be retained in memory.)*3 ● When the ignition switch is turned off, set speed in the memory is cleared.
Shift-down Control	When the vehicle is cruising uphill, shift-down control may be performed by the ECT (Electronic Control Transmission). The ECM permits the ECT ECU to shift up when the ECM judges the end of cruising uphill based on the throttle valve angle. If shift-down control is performed during accelerator or resume control, the ECM permits the ECT ECU to shift up after accelerator or resume control is completed.
Diagnosis	When the ECM does not receive a vehicle speed signal for a predetermined period of time during cruising, or when cruise control is canceled (automatic cancel) by a malfunction in the cruise control switch, stop light switch or vehicle speed signal, the engine immediately blinks the CRUISE main indicator light on the combination meter on and off five times to alert the driver of the system malfunction. The contents of malfunctions are coded and stored in the ECM.

*1: Models with 1GR-FE engine
*2: Models with 1KD-FTV engine
*3: Models with VSC

■ DIAGNOSIS

- When cruise control is canceled (automatic cancel) by a malfunction, the ECM immediately blinks the CRUISE control indicator light on the combination meter to alert the driver of the system malfunction. The contents of malfunctions are coded and stored in the ECM.
- An intelligent tester II can be used to read 5-digit codes. For details, see the Hilux Repair Manual.