

FAIL-SAFE CHART

HINT:
If the following conditions are detected while the cruise control is in operation, the system clears the stored vehicle speed in the ECM and cancels the cruise control operation.

Cruise control system

Vehicle Condition	Auto Cancel Condition	Fail-safe Deactivation Condition
CRUISE main indicator light blinks	<ul style="list-style-type: none">• There is open or short in stop light switch circuit• There is problem with vehicle speed signal• There is problem with throttle position sensor and motor• VSC is damaged*• There is communication malfunction between VSC and ECM*	Turn cruise control main switch ON again
CRUISE main indicator light blinks	<ul style="list-style-type: none">• There is problem with input circuit of stop light switch circuit• There is problem with cancel circuit	Turn ignition switch ON

HINT:
*: w/ VSC

DATA LIST / ACTIVE TEST

1. READ DATA LIST

HINT:

Using the intelligent tester's DATA LIST allows switch, sensor, actuator and other item values to be read without removing any parts. Reading the DATA LIST early in troubleshooting is one way to save time.

- Connect the intelligent tester (with CAN VIM) to the DLC3.
- Turn the ignition switch ON.
- Read the DATA LIST according to the display on the tester.

ECM

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
VEHICLE SPD	Vehicle speed / min.: 0 km/h (0 mph) max.: 200 km/h (125 mph)	Actual vehicle speed	-
MEMORY SPD	Vehicle speed / min.: 0 km/h (0 mph) max.: 200 km/h (125 mph)	Actual vehicle speed stored in memory	-
THROTTLE	Throttle operating angle / min.: 0 deg. max.: 125 deg.	Actual demanded throttle angle	-
CRUISE CONTROL	Cruise control / ON or OFF	ON: Cruise control is SET OFF: Cruise control is UNSET	-
MAIN SW (MAIN)	Main switch (Main CPU) / ON or OFF	ON: Main switch (Main CPU) is SET OFF: Main switch (Main CPU) is UNSET	-
CCS READY M	Switch ready (Main CPU) / ON or OFF	ON: Switch ready (Main CPU) is SET OFF: Switch ready (Main CPU) is UNSET	-
CCS INDICATOR M	Switch indicator (Main CPU) / ON or OFF	ON: Switch indicator (Main CPU) is SET OFF: Switch indicator (Main CPU) is UNSET	-
CANCEL SW	CANCEL switch / ON or OFF	ON: CANCEL switch is SET OFF: CANCEL switch is UNSET	-
SET/COAST SW	- / SET switch / ON or OFF	ON: - / SET switch is SET OFF: - / SET switch is UNSET	-
RES/ACC SW	+ / RES switch / ON or OFF	ON: + / RES switch is SET OFF: + / RES switch is UNSET	-
STP LIGHT SW M	Stop light switch signal (Main CPU) / ON or OFF	ON: Brake pedal depressed OFF: Brake pedal released	-
SHIFT D POS	Shift D position / ON or OFF	ON: Shift is D or 3 position OFF: Shift is except D or 3 position	-