

An Electronic Throttle Control (ETC) system fault also causes the cruise control system to be disabled. In this case, an Electronic Throttle Control (ETC) system powertrain malfunction (wrench) warning indicator is displayed.

Cruise Control Indicator

The cruise control indicator, located in the IPC, illuminates to indicate the cruise control system is active.

Steering Wheel Switch Function

Cruise control switch inputs are received by the SCCM and sent to the PCM through the GWM to the HS-CAN1.

Pressing (ON) and releasing the ON/OFF switch turns the cruise control system on. Pressing (SET+) or (SET-) on the SET switch while the vehicle is traveling at the desired speed activates the cruise control system.

Pressing up or down on the SET switch while in the active mode increases or decreases the maintained vehicle speed by 2 kmh per press when displayed units are "kmh" and 1 mph per press when displayed units are "mph". If the respective switch is pressed and held, the vehicle speed continues to accelerate or decelerate until the switch is released.

Pressing down (OFF) and releasing the ON/OFF switch, or turning the ignition switch to the OFF position, turns the cruise control system off. While the cruise control system is active, applying the brake pedal or pressing the CNCL (CANCEL) switch puts the cruise control system into standby mode. Pressing the RES (RESUME) switch when the cruise control system is in standby mode causes the vehicle to accelerate to the last speed. Resume does not function if the OFF switch is pressed, the ignition switch is cycled OFF, or if the current vehicle speed is below the minimum operational speed.

Steering Wheel Switches

The cruise control steering wheel mounted switches are momentary contact switches that toggle up and down for the switch state. On vehicles without adaptive steering, the switches are an input to the SCCM. On vehicles with adaptive steering, the switches are an input to the SECM. The SECM sends switch data to the SASM (part of the clockspring assembly), and the SASM sends the switch data to the SCCM over the HS-CAN2.

Brake Switch

When the brake pedal is applied, the cruise control deactivator switch, integrated in the BPP switch, opens and removes the ground signal from the PCM input circuit releasing the throttle, immediately deactivating the cruise control system.

Diagnosis and Testing

Cruise Control

DTC Charts

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.
REFER to: Diagnostic Methods (100-00 General Information, Description and Operation).

DTC Chart: PCM

PCM DTC Chart

DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
P0504:00	Brake Switch A / B Correlation	GO to Pinpoint Test C
P0572:00	Brake Switch A Circuit Low	GO to Pinpoint Test C
P0573:00	Brake Switch A Circuit High	GO to Pinpoint Test C
P1703:00	Brake Switch Out Of Self-Test Range	GO to Pinpoint Test C
P1935:00	Brake Switch/Sensor Signal	GO to Pinpoint Test C
All other Diagnostic Trouble Codes (DTCs)	â€”	- For 2.0L EcoBoost, REFER to: Electronic Engine Controls (303-14A Electronic Engine Controls - 2.0L EcoBoost (184kW/250PS) â€” MI4, Diagnosis and Testing). - For 2.7L EcoBoost, REFER to: Electronic Engine Controls (303-14B Electronic Engine Controls - 2.7L EcoBoost (238kW/324PS), Diagnosis and Testing).

DTC Chart: SCCM

SCCM DTC Chart

DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
B137F:09	Steering Wheel Left Switch Pack: Component Failure	GO to Pinpoint Test A
B137F:11	Steering Wheel Left Switch Pack: Circuit Short to Ground	GO to Pinpoint Test A
B137F:17	Steering Wheel Left Switch Pack: Circuit Voltage Above Threshold	GO to Pinpoint Test A
All other Diagnostic Trouble Codes (DTCs)	â€”	REFER to: Steering Wheel and Column Electrical Components (211-05 Steering Wheel and Column Electrical Components, Diagnosis and Testing).

DTC Chart: SECM

SECM DTC Chart - Adaptive Steering

DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
B137F:11	Steering Wheel Left Switch Pack: Circuit Short to Ground	GO to Pinpoint Test B