
Speed Control

How The Circuit Works

For the Speed Control System to operate, the engine must be running and the vehicle speed must be greater than 30 mph. The Speed Control System is activated by pressing the ON switch of the Speed Control Switch.

Pressing and releasing SET/ACCEL or COAST sends a signal of the present speed: this speed becomes the set speed. If the vehicle speed changes, the vehicle speed signal received by the Speed Control Module no longer matched the set speed stored in memory. This difference causes the Speed Control Module to generate signals to the Speed Control Servo to either open or close the throttle until speed signals match.

The vehicle's speed increases while SET/ACCEL is depressed. Releasing SET/ACCEL gives the system a new set speed to maintain. Vehicle speed may also be increased by depressing the accelerator until the higher speed is reached, then pressing and releasing SET/ACCEL.

Pressing and holding COAST slows the vehicle down. Releasing COAST gives the system a new set speed to maintain.

The system is deactivated by pressing the OFF switch of the Speed Control Switch. The system is also turned off when the brake pedal is depressed or when the Ignition Switch is turned to the OFF position. In vehicles with manual transaxles, the Clutch Switch opens when the clutch pedal is depressed and turn off the system.

When the system has been deactivated by depressing the brake or clutch pedal, the last speed may be resumed by pressing RESUME. This feature will not work if OFF has been depressed or if the car is below 30 mph.

Non-Turbocharged Vehicles

On non-turbocharged vehicles, the Speed Control Module generates signals to apply or release vacuum at the Servo Motor (diaphragm). The Servo Motor regulates the throttle angle as vacuum is applied or removed.

Turbocharged Vehicles

On turbocharged vehicles, due to the lack of intake manifold vacuum during turbo boost, the Speed Control Servo incorporates an electric motor to actuate the throttle instead of a vacuum operated diaphragm. The electric motor, in response to signals received from the Speed Control Amplifier, rotates in both directions to regulate throttle angle.

Troubleshooting Hints

CONDITION	POSSIBLE CAUSE	ACTION
<ul style="list-style-type: none"> Speed Control System does not operate 	<ul style="list-style-type: none"> Blown METER or STOP fuse 	<ul style="list-style-type: none"> Check METER and STOP fuses
	<ul style="list-style-type: none"> Faulty grounds 	<ul style="list-style-type: none"> Check for continuity from BK wire of Connector C262 to ground G201 and from BK (BK/BL, LX only) wire of Connector C263 to ground G201
	<ul style="list-style-type: none"> Open circuit at Speed Control Amplifier and/or Speed Control Switch 	<ul style="list-style-type: none"> Check for continuity in BK/Y wire from Connector C275 to C262 ground G201 Check for continuity in BK/Y wire from Connector C275 to C263 (GL/GT only)
	<ul style="list-style-type: none"> Inoperative Speed Control Switch 	<ul style="list-style-type: none"> For GL/GT vehicle: <ul style="list-style-type: none"> -Check for continuity from BL/BK, Y/GN wires of Connector C262 to C263. -Set Speed Control Switch to COAST position. Check for continuity from BL wire of Connector C262 to G201. -Set Speed Control Switch to RESUME position. Check for continuity from R/GN wire of Connector C262 to G201. -Set Speed Control Switch to SET position. Check for continuity from BL/R wire of Connector C262 to G201. -If no continuity, check Speed Control Switch and wiring

CONDITION	POSSIBLE CAUSE	ACTION
<ul style="list-style-type: none"> Speed Control System does not operate 	<ul style="list-style-type: none"> Inoperative Speed Control Switch 	<ul style="list-style-type: none"> For LX vehicle: <ul style="list-style-type: none"> -Set Speed Control Switch to COAST position. Check for continuity from BL wire of Connector C262 to Speed Control Amplifier. -Set Speed Control Switch to RESUME position. Check for continuity from BL wire of Connector C262 to Speed Control Amplifier. -Set Speed Control Switch to SET position. Check for continuity from BL wire of Connector C262 to Speed Control Amplifier. -If no continuity, check wire(s) or Speed Control Amplifier.
	<ul style="list-style-type: none"> Open circuit from Speed Control Switch to Speed Control Amplifier 	<ul style="list-style-type: none"> Check for continuity in BL, R/GN and BL/R wires from C262 to C263 If no continuity, inspect/repair wire(s)
	<ul style="list-style-type: none"> Open circuit from Speed Control Servo to Speed Control Amplifier 	<ul style="list-style-type: none"> GL/GT: <ul style="list-style-type: none"> -Check for continuity in GN/W, GN/BK and GN wires from C1017 to C263 LX: <ul style="list-style-type: none"> -Check for continuity in GN, GN/W, GN/BK, R, R/BK and RW wires from C1017 to C263
	<ul style="list-style-type: none"> Open circuit from Clutch Engage Switch (MTX) or Neutral Safety Switch (ATX) 	<ul style="list-style-type: none"> Check for continuity in R/BL wire from C213 to C236 (MTX) Check for continuity in BK/Y wire from C105 to C263 (ATX) Check for continuity in BL/O wire from C213 to C263 (MTX) Check for continuity in W/GN wire from STOP Lamp Switch to C263 If no continuity, inspect/repair wire(s)

REFERENCE :For further information refer to «[Section 10-03A](#) »and «[Section 10-03B](#) » of the service manual.