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1999 CHEVROLET Express OEM Service and Repair Workshop Manual

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Parameter	System State	Expected Value	Description
Auxiliary Mode Switch Position	—	Varies	The scan tool displays Auto, Floor, Bi-level or Panel depending on the position of the switch.
Auxiliary Mode Door Actuator Command	—	Varies	The scan tool displays Counts. This is the desired position of the rear mode actuator.
Auxiliary Mode Door Actuator Direction	—	Stop	The scan tool displays Stop, Increase, or Decrease depending on the state of the rear mode actuator. During the movement of the door, the scan tool shows Increase or Decrease depending on the movement direction.
Auxiliary Mode Door Actuator Learn Status	—	Complete	The scan tool displays Not Running, In Progress, Complete, or Failed depending on the actuator calibration status.
Auxiliary Mode Door Actuator Position	—	Varies	The scan tool displays Counts. This is the actual position of the rear mode actuator.
Base Model Part Number	—	Varies	Displays part number of the installed module.
Battery Voltage	—	Varies	The scan tool displays V. This is the current battery voltage.
Bi-Level Button/ Switch	Bi-Level Button/ Switch released	Inactive	The scan tool displays Active or Inactive depending on the state of the switch.
	Bi-Level Button/ Switch pressed	Active	

Parameter	System State	Expected Value	Description
Blower Motor Switch	—	Inactive	The scan tool displays Up, Down or Inactive depending on the state of the blower motor switch.
Coolant Heater Control Module Software Or Hardware Malfunction	—	Inactive	The scan tool displays Active or Inactive. Active indicates an internal module hardware or a software fault.
Coolant Heater Control Module Current Sensor Status	—	Inactive	The scan tool displays Active or Inactive. Active indicates a fault with the current sensor.
Coolant Heater Control Module Inlet Coolant Temperature	—	-40 to +150°C (-40 to +302°F)	The scan tool displays °C (°F). This is the coolant temperature at the coolant heater inlet.
Coolant Heater Control Module LIN Bus	—	Active	The scan tool displays Active or Inactive indicating the LIN communication bus status.
Coolant Heater Control Module Operation Enable Command	—	True	The Scan Tool displays True or False. This indicates the state of the Operation Enable signal that allows the coolant heater to start diagnostics whether or not heating is commanded. When the status is False, the coolant heater diagnostics or execute heating .
Coolant Heater Control	—	0 – 7.5 kW	The scan tool displays the approximate power requested for the coolant heater in watts.

Parameter	System State	Expected Value	Description
Desired Rear Mode Door Actuator Position	—	Varies	The scan tool displays Counts. This is the desired position of the rear mode actuator.
Desired Right Temperature	—	Varies	The scan tool displays °C (°F). This is the currently selected temperature setting.
Desired Right Temperature Door Actuator Position	—	Varies	The scan tool displays Counts. This is the desired position of the right temperature actuator.
Desired Rear Temperature Door Actuator Position	—	Varies	The scan tool displays Counts. This is the desired position of the rear temperature actuator.
Desired Right Temperature	—	Varies	The scan tool displays °C (°F). This is the currently selected temperature setting.
Desired Right Temperature Door Actuator Position	—	Varies	The scan tool displays Counts. This is the desired position of the right temperature actuator.
Diagnostic Data Identifier	—	Varies	The scan tool displays the 4 character alphanumeric device ID.
End Model Part Number	—	Varies	The scan tool displays the end software module part number.
Enhanced Defrost Button/ Switch	Enhanced defrost switch released	Inactive	The scan tool displays On or Off depending on the state of the switch.
	Enhanced defrost switch	Active	

Parameter	System State	Expected Value	Description
Front Defrost Button/ Switch	Defrost switch released	Inactive	The scan tool displays Active or Inactive depending on the state of the switch.
	Defrost switch pressed	Active	
Front Defrost Indicator	Front defrost not selected	Off	The scan tool displays On or Off depending on the state of the indicator command.
	Front defrost selected	On	
Front HVAC System Status	—	Varies	The scan tool displays Comfort, ECO, or Fan Only depending on the selected operating mode of the HVAC system.
Heater Coolant Pump Control Diagnostic Status	—	Varies	The scan tool displays Diagnostic Line Shorted High/Low, Under Voltage, Current, Restricted Flow, Over Voltage, or Over Temperature Enabled indicating the PWM coolant pump status.
Heater Coolant Pump Duty Cycle Command	—	Varies	The scan tool displays from 0–100% depending on the commanded PWM duty cycle for the coolant pump.
Heater Coolant Pump Feedback Duty Cycle	—	Varies	The scan tool displays from 0–100% indicating the feedback PWM duty cycle of the coolant pump.
Heater Coolant Pump Feedback Frequency	—	Varies	The scan tool displays from 0–800 Hz indicating the feedback PWM frequency of the coolant pump.
Heater Coolant Pump Request	—	Varies	The scan tool displays On or Off indicating the commanded state of the coolant pump relay.