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## 1999 CHEVROLET Impala OEM Service and Repair Workshop Manual

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Parameter	System State	Expected Value	Description
Actuator Command			
Left Front Mode Door Actuator Position	—	Varies	The scan tool displays Counts. This is the actual position of the actuator.
Left Front Temperature Door Actuator Command	—	Varies	The scan tool displays Counts. This is the desired position of the actuator.
Left Front Temperature Door Actuator Position	—	Varies	The scan tool displays Counts. This is the actual position of the actuator.
Left Rear Lower Duct Air Temperature	—	–40 to +80°C (–40 to +176°F)	The scan tool displays °C (°F). This is the current temperature at the duct air temperature sensor.
Left Rear Mode Door Actuator Command	—	Varies	The scan tool displays Counts. This is the desired position of the actuator.
Left Rear Mode Door Actuator Position	—	Varies	The scan tool displays Counts. This is the actual position of the actuator.
Left Rear Upper Duct Air Temperature	—	–40 to +80°C (–40 to +176°F)	The scan tool displays °C (°F). This is the current temperature at the duct air temperature sensor.
Left Temperature	—	Inactive	The scan tool displays Up, Down, or Inactive depending on the state of the temperature switch.

Parameter	System State	Expected Value	Description
Lower Right Duct Air Temperature Sensor	—	–40 to +80°C (–40 to +176°F)	The scan tool displays °C (°F). This is the current temperature at the duct air temperature sensor.
Manufacturer Enable Counter	—	0	The scan tool displays 0–255 counts. This counter typically decrements 1 count per ignition cycle. 0 indicates a locked ECU.
Manufacturing Traceability Data	—	Varies	This parameter displays the diagnostic module traceability number, which may be up to 16 digits long. This information may be used in certain situations to identify the manufacturer of the component.
Mode Door Actuator Command	—	Varies	The scan tool displays Counts. This is the desired position of the actuator.
Mode Door Actuator Direction	—	Stop	The scan tool displays stop, increase, or decrease. This is the current direction of the actuator.
Mode Door Actuator Learn Status	—	Complete	The scan tool displays Not Running, In Progress, Complete, or Failed depending on the actuator calibration status.
Mode Door Actuator Position	—	Varies	The scan tool displays Counts. This is the actual position of the actuator.
Mode Switch	Mode switch released	Inactive	The scan tool displays Active or Inactive depending on the state of the switch.
	Mode switch pressed	Active	
MULTI-ZONE Switch	MULTI-ZONE switch	Inactive	The scan tool displays Active or Inactive depending on the state of the switch.

Parameter	System State	Expected Value	Description
Heating Power Request			
Passenger Compartment Humidity	—	3–100%	The scan tool displays %. This is the current relative humidity level at the windshield temperature and inside moisture sensor.
Passenger Compartment Humidity Sensor Temperature	—	–40 to +80°C (–40 to +176°F)	The scan tool displays °C (°F). This is the current temperature at the humidity sensing element temperature sensor.
Rear Defogger Button/ Switch	Rear Defogger switch released	Inactive	The scan tool displays Active or Inactive depending on the state of the switch.
	Rear Defogger switch pressed	Active	
Rear Defogger Deactivation Reason	—	Varies	The scan tool displays: Autostop Active, Load Reduction Active, Folding Top Open, Rear Defogger Disabled or Battery State of Charge Low. This is the reason the defogger has been disabled.
Rear Defogger Indicator	Rear defogger is deactivated	Off	The scan tool displays On or Off depending on the state of the rear defogger.
	Rear defogger is activated	On	
Rear Defogger Status	Rear defogger is deactivated	Off	The scan tool displays On or Off depending on the state of the rear defogger command.

Parameter	System State	Expected Value	Description
Status			system is operating in response to remote vehicle start.
Requested Idle Boost Level	—	Varies	The scan tool displays Counts. This parameter indicates the desired idle speed increase in response to HVAC system operation.
Right Front Mode Door Actuator Command	—	Varies	The scan tool displays Counts. This is the desired position of the actuator.
Right Front Mode Door Actuator Position	—	Varies	The scan tool displays Counts. This is the actual position of the actuator.
Right Front Temperature Door Actuator Command	—	Varies	The scan tool displays Counts. This is the desired position of the mode actuator.
Right Front Temperature Door Actuator Direction	—	Stop	The scan tool displays stop, increase, or decrease. This is the current direction of the actuator.
Right Front Temperature Door Actuator Learn Status	—	Complete	The scan tool displays Not Running, In Progress, Complete, or Failed depending on the actuator calibration status.
Right Front Temperature Door Actuator Position	—	Varies	The scan tool displays Counts. This is the actual position of the actuator.
Right Rear Lower Duct Air	—	–40 to +80°C	The scan tool displays °C (°F). This is the current temperature at the duct air temperature sensor.