

Instrument Cluster Test Modes

Test	Instrument Cluster Display	Gauge / Indicator / Display Tested	Description
Gauge Sweep	GAGE	All Analog Gauges	Gauges sweep from left to right and back
Fill in All LCD	8888	LCD Odometer	Tests all LCD Display Segments
Indicator Bulbs	buLb	All Instrument panel Bulbs	Illuminates all Warning Bulbs
ROM Level	rXXX	Instrument Cluster ROM Version	Display ROM Version
NVM Level	EXXX	NVRAM Version	Display NVRAM Version
DTC	dtc NoNE / dtc XXXX	Diagnostic Trouble Codes	Press TRIP Reset repeatedly to view next DTC if present.
Road Speed MPH	XXX.X	Digital Speedometer	Displays Speed in MPH
Road Speed KPH	XXX.X	Digital Speedometer	Displays Speed in KPH
Engine Speed RPM	XXXX	Digital Tachometer	Displays Engine Revolution Speed
Fuel Volume	FXXX	Fuel Sender System	Displays Current Fuel Level Signal
Engine Coolant Temp (not in Degrees)	XXXC	Engine Coolant Sensor	Displays Engine Temperature Signal
Battery Voltage	bXXX	Battery Voltage	Displays Battery Charge in Volts
ABS fail	Ab - [H / L]	ABS System	ABS Status
Electronic Brake Distribution (EBD) Failure	Eb - [H / L]	EBD System	EBD Status
Illumination	IL - [H / L]	Dash Illumination	H=Dash Lights on / L=Dash Lights off
Crank Sense	Cr - [H / L]	Crank Sensor	Instrument Cluster Crank Sensor

DTC Codes

Code	Description
1197	Select / Reset Switch Failure
5284	Oil Pressure Switch Failure
9202	Fuel Sender Circuit Open
9204	Fuel Sender Circuit Short to Ground
9213	Anti-theft Number of programmed Keys is below Minimum
9232	Antenna not connected / defective Transceiver
9317	Battery Voltage High
9318	Battery Voltage Low
9342	ECU Error
9356	Ignition Run Circuit Open
9359	Engine Run / ACC Circuit Error
9364	Ignition Start Circuit Open
9600	PATS Ignition Key Transponder Signal is Not Received (Damaged Key or non-PATS Key)
9601	PATS Received Incorrect Key-Code from Ignition Key Transponder (unprogrammed Encoded Ignition Key)

Code	Description
9602	PATS Received Invalid Format of Key-Code From Ignition Key Transponder (Partial Key Code)
9681	PATS Tranceiver Signal is Not Received (Not Connected, Damaged, or Wiring)
A139	PCM ID does not match between Instrument Cluster and PCM
A141	NVM Configuration Failure (No PCM ID exchange between Instrument Cluster and PCM)
A143	Odometer Memory Failure
A477	Module Configuration Failure
D027	Missing / Invalid RPM Data
D041	Missing / Invalid Vehicle Speed Data
D043	Missing / Invalid Traction Control Data
D073	Missing / Invalid Coolant Temp Data
D123	Missing / Invalid Odometer Data
D147	Missing / Invalid Vehicle Security Data
D262	SCP Communication Bus Error