

Enhanced Jaguar Engine Module List

Supported Systems

ABS – Anti Lock Brakes	ABSII	ABSSCP
ACC	ACM	ADCM
ADHLS	ADHLS_L	ADHLS_R
ADRC	AHCM	AMP
ARM	ASU	ATC
ATCISO	BPM	BPMISO
CCM	CCMCAN	CMM
CPM	DDM	DHM
DRDM	DSM	ECMSCP – Engine Control Module
EPB	FEM	FETM
GEM	HCM	ICCM
ICCMII	ICE	IPK
ISM	MCCM	NAV
PAM	PBM	PCM
PCMII	PCMISO	PCMPTEC
PDM	PHM	PRDM
PSM	RCM	RCMISO
RCMSCP	REM	RSM
SCLM	SLM	TCM – Transmission Control Module
TCMII	TCMIII	TCMISO
TPM		

ABS Sensors

Brake Fluid Level Switch Status	Brake Fluid Hydraulic Pressure
Brake Pedal Switch - Brake Lamp Switch	ECU Power Supply Voltage
ECU System Flags - ABS	ECU System Flags - Brake Torque Control
ECU System Flags - Traction Control System	ECU Unit System Flags - Automatic Yaw Control
Dynamic Stability Control Switch Status	Dynamic Stability Control System Status
External Temperature	Front Left Wheel Speed Sensor Input Circuit
Front Right Wheel Speed Sensor Input Circuit	Global Real Time
Lateral Accelerometer	Main Engine Control Module Voltage Supply
Rear Left Wheel Speed Sensor Input Circuit	Rear Right Wheel Speed Sensor Input Circuit
Steering Wheel Angle	Total Distance
Vehicle Speed Signal	Yaw Rate Sensor

ABSII Sensors

ABS Pump Relay Output	ABS Valve Relay Output
Booster Brake Pedal Force Switch Normally Closed	Booster Brake Pedal Force Switch Normally Open
Booster Main Pressure Transducer Failure	Booster Solenoid Brake Switch Failure
Booster Solenoid Output Status	Brake Fluid Hydraulic Pressure
Brake Fluid Level Switch	Brake Hydraulic Pressure Transducer Main Signal
Brake Pedal Travel Offset - Corrected	Brake Pedal Travel Offset - Not Corrected
Brake Pedal Velocity	Brake Pressure
Brake Switch	CAN Bus Off Counter
Control Module Status	Dynamic Stability Control Sensor Supply Voltage
Front Left Inlet Valve	Front Left Outlet Valve
Front Left Wheel Speed	Front Right Inlet Valve
Front Right Outlet Valve	Front Right Wheel Speed
Ignition Input	Lateral Acceleration Values
Number Of Permanent Diagnostic Trouble Codes	Parking Brake Switch
Rear Left Inlet Valve	Rear Left Outlet Valve
Rear Left Wheel Speed	Rear Right Inlet Valve
Rear Right Outlet Valve	Rear Right Wheel Speed
Steering Wheel Angle - Not All Models Support	Torque Request
Traction Control Available State - Status	Traction Control Switch Push Button Input Status
Traction Control Priming Valve 1	Traction Control Priming Valve 2
Traction Control Switching Valve 1	Traction Control Switching Valve 2
Yaw Rate Value	

ABSSCP Sensors

Booster Brake Pedal Force Switch Normally Closed	Booster Brake Pedal Force Switch Normally Open
Booster Learn Mode Successful	Booster Main Pressure Transducer Failure
Booster Mechanical Failure	Booster Secondary Pressure Transducer Failure
Booster Solenoid Abnormal Current	Booster Solenoid Brake Switch Failure
Booster Solenoid Circuit Failure	Booster Solenoid Output
Booster Solenoid Output Normally Closed Switch Failure	Booster Solenoid Output Normally Open Switch Failure
Brake Hydraulic Pressure Transducer Main Signal	Brake Hydraulic Pressure Transducer Redundant Signal
Brake Switch	Front Left Wheel Speed Sensor - Raw
Front Left Wheel Speed Sensor	Front Right Wheel Speed Sensor - Raw
Front Right Wheel Speed Sensor	Lateral Acceleration Values
Lateral Accelerometer Input - Short To Battery	Lateral Accelerometer Input - Short To Ground
Number Of Permanent Diagnostic Trouble Codes	Rear Left Wheel Speed Sensor - Raw
Rear Left Wheel Speed Sensor	Rear Right Wheel Speed Sensor - Raw
Rear Right Wheel Speed Sensor	Steering Wheel Angle
Steering Wheel Angle 1 Open Circuit	Steering Wheel Angle 1 Output
Steering Wheel Angle 1 Short To Battery	Steering Wheel Angle 1 Short To Ground

ABSSCP Sensors (continued)

Steering Wheel Angle 2 Open Circuit	Steering Wheel Angle 2 Output
Steering Wheel Angle 2 Short To Battery	Steering Wheel Angle 2 Short To Ground
Switch Test Signal Output	Throttle Flap - Positioning
Tire Size Calibration Data	Traction Control/Yaw Control Function Available State
Traction Control/Yaw Control Switch Push Button Input Status	Traction Control Switch
Yaw Rate Sensor Status - Short To Battery	Yaw Rate Sensor Status - Short To Ground
Yaw Rate Value	

ACC Sensors

Automatic Alignment Offset	Control Module Status
Electronic Alignment Offset	Front Alert High Tone
Front Alert Low Tone	Front Alert Switch LED Status
Front Alert Switch Position Status	Number Of Permanent Diagnostic Trouble Codes
Primary Target Angle	Primary Target Range
Primary Target Range Rate	Switched Ignition Voltage
Yaw Rate Value	

ACM Sensors

Analog To Digital Converted Value For Battery Level Detection Circuit	Antenna Control Voltage Setting - Scan Diversity Control Port 1
Antenna Control Voltage Status - Antenna Control Voltage Detection	Antenna Control Voltage Status - Scan Diversity Control Port 2
Antenna Power Supply Control - Antenna Power Supply On/off	Antenna Power Supply Status - Current Detection For Antenna Power Supply
Antenna Power Supply Status - Voltage Detection For Antenna Power Supply	Audio Unit Frequency Field Strength
Cellular Telephone - Negative Input Voltage Level Detection Circuit	Cellular Telephone - Positive Input Voltage Level Detection Circuit
Control Module Internal Temperature	Global Real Time
In-Car Temperature	Left Auxiliary Inputs - Positive Input Voltage Level Detection Circuit
Main Engine Control Module Voltage Supply	Microphone - Positive Input Voltage Level Detection Circuit
Right Auxiliary Inputs - Positive Input Voltage Level Detection Circuit	Total Distance

ADCM Sensors

Active Damping Status - All Firm	Active Damping Status - Damper Firm Due To Diagnostic Trouble Code
Active Damping Status - Damper Firm Due To Front Right	Active Damping Status - Damper Firm Due To Lateral Acceleration
Active Damping Status - Damper Firm Due To Longitudinal Acceleration	Active Damping Status - Damper Firm Due To Longitudinal Deceleration

ADCM Sensors (continued)

Active Damping Status - Damper Firm Due To Longitudinal Wave	Active Damping Status - Damper Firm Due To Out Of Velocity Range
Active Damping Status - Front Firm And Rear Soft	Active Damping Status - Front Soft And Rear Firm
Control Module Supply Voltage	Damper Current - Front Left
Damper Current - Front Right	Damper Current - Rear Left
Damper Current - Rear Right	Damper Duty Cycle - Front Left
Damper Duty Cycle - Front Right	Damper Duty Cycle - Rear Left
Damper Duty Cycle - Rear Right	Front Vertical Acceleration
Global Real Time	In-Car Temperature
Main Engine Control Module Voltage Supply	Rear Vertical Acceleration
Sensor Supply Voltage A	Total Distance

ADHLS Sensors

Control Module Status	Front Axle Deflection
Front Axle Height Sensor Maximum Height	Front Axle Height Sensor Minimum Height
Headlamp Beam Position	Headlamp Low Beam Status
Ignition Input	Number Of Permanent Diagnostic Trouble Codes
Rear Axle Deflection	Rear Axle Height Sensor Maximum Height
Rear Axle Height Sensor Minimum Height	Vehicle Speed Low Resolution

ADHLS_L Sensors

Control Module Status	Electronic System Calibration
Left Headlamp Levelling Control Module Front Axle Calibration Duty Cycle	Left Headlamp Levelling Control Module Front Axle Deflection
Left Headlamp Levelling Control Module Front Axle Height Sensor Maximum Duty Cycle	Left Headlamp Levelling Control Module Front Axle Height Sensor Maximum Height
Left Headlamp Levelling Control Module Front Axle Height Sensor Minimum Duty Cycle	Left Headlamp Levelling Control Module Front Axle Height Sensor Minimum Height
Left Headlamp Levelling Control Module Ignition Input	Left Headlamp Levelling Control Module Number Of Permanent Diagnostic Trouble Codes
Left Headlamp Levelling Control Module Rear Axle Calibration Duty Cycle	Left Headlamp Levelling Control Module Rear Axle Deflection
Left Headlamp Levelling Control Module Rear Axle Height Sensor Maximum Duty Cycle	Left Headlamp Levelling Control Module Rear Axle Height Sensor Maximum Height
Left Headlamp Levelling Control Module Rear Axle Height Sensor Minimum Duty Cycle	Left Headlamp Levelling Control Module Rear Axle Height Sensor Minimum Height

ADHLS_R Sensors

Control Module Status	Electronic System Calibration
Right Headlamp Levelling Control Module Front Axle Calibration Duty Cycle	Right Headlamp Levelling Control Module Front Axle Deflection
Right Headlamp Levelling Control Module Front Axle Height Sensor Maximum Duty Cycle	Right Headlamp Levelling Control Module Front Axle Height Sensor Maximum Height
Right Headlamp Levelling Control Module Front Axle Height Sensor Minimum Duty Cycle	Right Headlamp Levelling Control Module Front Axle Height Sensor Minimum Height

ADHLS_R Sensors (continued)

Right Headlamp Levelling Control Module Ignition Input	Right Headlamp Levelling Control Module Number Of Permanent Diagnostic Trouble Codes
Right Headlamp Levelling Control Module Rear Axle Calibration Duty Cycle	Right Headlamp Levelling Control Module Rear Axle Deflection
Right Headlamp Levelling Control Module Rear Axle Height Sensor Maximum Duty Cycle	Right Headlamp Levelling Control Module Rear Axle Height Sensor Maximum Height
Right Headlamp Levelling Control Module Rear Axle Height Sensor Minimum Duty Cycle	Right Headlamp Levelling Control Module Rear Axle Height Sensor Minimum Height

ADRC Sensors

Front Left Damper Solenoid Valve Output Control	Front Right Damper Solenoid Valve Output Control
Rear Left Damper Solenoid Valve Output Control	Rear Right Damper Solenoid Valve Output Control
Number Of Permanent Diagnostic Trouble Codes	Number Of Trouble Codes Set By Diagnostic Tests
Front Acceleration	Lateral Acceleration
Rear Acceleration	Vehicle Speed
Brake Signal - SCP	Rear Right Damper
Rear Left Damper	Calculated Speed
Damper Firm - Battery Voltage Out Of Range	Damper Firm - Error
Damper Firm - Lateral Acceleration	Damper Firm - Long Wave
Damper Firm - Longitudinal Acceleration	Damper Firm - Low Vehicle Velocity
Damper Firm - Stay Firm Velocity Threshold	Error Messages - SCP
Left Damper	Right Damper
Override Active	Vehicle Speed
Front Vertical Accelerometer	Rear Vertical Accelerometer
Lateral Accelerometer	Error Message
Left Damper Firm	Right Damper Firm
Control Module Status	

AHCM Sensors

Burning Time - Burning Time - Hours	Burning Time - Burning Time - Minutes
Control Module Power Supply Voltage	Coolant Temperature
Engine Status - Engine Running	External Temperature
Fuel Burning Heater Control Status - Combustion Air Fan	Fuel Burning Heater Control Status - External Relay Control
Fuel Burning Heater Control Status - Fuel Preheating	Fuel Burning Heater Control Status - Fuel Pump
Fuel Burning Heater Control Status - Glow Plug	Fuel Burning Heater Control Status - Water Pump
Fuel Burning Heater Internal Moore State	Global Real Time
Glow Plug Duty Cycle	Heater Fan Adjustment
In-car Temperature	Low Voltage Threshold
Main Engine Control Module Voltage Supply	Number Of Trouble Codes Set Due To Diagnostic Test
Operating Voltage	Prime Time Counter - Cumulative Count Of Priming Seconds Achieved
Running Time - Running Time - hours	Running Time - Running Time - minutes
Total Distance	Webasto Error Counter

AHCM Sensors (continued)

Webasto Error Counter Parking Heater	Webasto Operating State
Webasto Private Bus Failure Code	Webasto Start Count
Webasto Start Count Parking Heater	Webasto Start Count Supplementary Heater

AMP Sensors

Battery Input	Control Module Status
D2b Wake-up Status	Front Left Speaker
Front Right Speaker	Left Speaker Mid-range
Left Subwoofer Speaker	Number Of Permanent Diagnostic Trouble Codes
Rear Left Speaker	Rear Right Speaker
Right Speaker Mid-range	Right Subwoofer Speaker

ARM Sensors

Air Bag Bracket Ground Resistance	Control Module Status
Driver's Air Bag Circuit - Curtain - Low Resistance On Deployment Control	Driver's Air Bag Circuit - Curtain - Open Circuit
Driver's Air Bag Circuit - Curtain - Short To Battery	Driver's Air Bag Circuit - Curtain - Short To Ground
Driver's Air Bag Circuit - Side Impact - Low Resistance On Deployment Control	Driver's Air Bag Circuit - Side Impact - Open Circuit
Driver's Air Bag Circuit - Side Impact - Short To Battery	Driver's Air Bag Circuit - Side Impact - Short To Ground
Driver's Air Bag Circuit Loop 1 - Front Impact - Low Resistance On Deployment Control	Driver's Air Bag Circuit Loop 1 - Front Impact - Open Circuit
Driver's Air Bag Circuit Loop 1 - Front Impact - Short To Battery	Driver's Air Bag Circuit Loop 1 - Front Impact - Short To Ground
Driver's Air Bag Circuit Loop 2 - Front Impact - Low Resistance On Deployment Control	Driver's Air Bag Circuit Loop 2 - Front Impact - Open Circuit
Driver's Air Bag Circuit Loop 2 - Front Impact - Short To Battery	Driver's Air Bag Circuit Loop 2 - Front Impact - Short To Ground
Driver's Air Bag Deployment Status	Driver's Air Bag Resistance 1
Driver's Air Bag Resistance 2	Driver's Buckle Switch Current Measurement
Driver's Impact Sensor - Side Impact - Internal Fault	Driver's Impact Sensor - Side Impact - Mount Or Communication Fault
Driver's Impact Sensor Row 2 - Side Impact - Internal Fault	Driver's Impact Sensor Row 2 - Side Impact - Mount Or Communication Fault
Driver's Pretensioner Circuit - Low Resistance On Deployment Control	Driver's Pretensioner Circuit - Open Circuit
Driver's Pretensioner Circuit - Short To Battery	Driver's Pretensioner Circuit - Short To Ground
Driver's Pretensioner Circuit Resistance	Driver's Safety Belt Minder Status
Driver's Safety Belt Switch	Driver's Seat Position
Driver's Seat Track Current Measurement	Driver's Side Impact Air Bag Resistance
Front Passenger's Occupant Classification	Front Passenger's Safety Belt Switch
Ignition Input	Impact Sensor - Front Impact - Internal Fault
Impact Sensor - Front Impact - Mount Or Communication Fault	Inhibit Front Passenger's Air Bag
Number Of Permanent Diagnostic Trouble Codes	Number Of Trouble Codes Set By Diagnostic Tests

ARM Sensors (continued)

Occupant Classification System Calibration Fault - Front Passenger Side	Occupant Classification System Communications Fault - Front Passenger Side
Occupant Classification System Module Fault - Front Passenger Side	Occupant Classification System Sensing Element Fault - Front Passenger Side
Passenger Side Seat Position	Passenger's Air Bag Circuit - Curtain - Low Resistance On Deployment Control
Passenger's Air Bag Circuit - Curtain - Open Circuit	Passenger's Air Bag Circuit - Curtain - Short To Battery
Passenger's Air Bag Circuit - Curtain - Short To Ground	Passenger's Air Bag Circuit - Side Impact - Low Resistance On Deployment Control
Passenger's Air Bag Circuit - Side Impact - Open Circuit	Passenger's Air Bag Circuit - Side Impact - Short To Battery
Passenger's Air Bag Circuit - Side Impact - Short To Ground	Passenger's Air Bag Circuit Loop 1 - Front Impact - Low Resistance On Deployment Control
Passenger's Air Bag Circuit Loop 1 - Front Impact - Open Circuit	Passenger's Air Bag Circuit Loop 1 - Front Impact - Short To Battery
Passenger's Air Bag Circuit Loop 1 - Front Impact - Short To Ground	Passenger's Air Bag Circuit Loop 2 - Front Impact - Low Resistance On Deployment Control
Passenger's Air Bag Circuit Loop 2 - Front Impact - Open Circuit	Passenger's Air Bag Circuit Loop 2 - Front Impact - Short To Battery
Passenger's Air Bag Circuit Loop 2 - Front Impact - Short To Ground	Passenger's Air Bag Deployment Status
Passenger's Air Bag Resistance 1	Passenger's Air Bag Resistance 2
Passenger's Buckle Switch Current Measurement	Passenger's Impact Sensor - Side Impact - Internal Fault
Passenger's Impact Sensor - Side Impact - Mount Or Communication Fault	Passenger's Impact Sensor Row 2 - Side Impact - Internal Fault
Passenger's Impact Sensor Row 2 - Side Impact - Mount Or Communication Fault	Passenger's Pretensioner Circuit - Low Resistance On Deployment Control
Passenger's Pretensioner Circuit - Open Circuit	Passenger's Pretensioner Circuit - Short To Battery
Passenger's Pretensioner Circuit - Short To Ground	Passenger's Pretensioner Circuit Resistance
Passenger's Safety Belt Minder Status	Passenger's Side Impact Air Bag Resistance
Pretensioner Circuit Open - Rear Seat Driver's Side	Pretensioner Circuit Open - Rear Seat Passenger's Side
Pretensioner Circuit Open - Row 2 Middle Position	Pretensioner Circuit Resistance Low On Deployment Control - Rear Seat Driver's Side
Pretensioner Circuit Resistance Low On Deployment Control - Rear Seat Passenger's Side	Pretensioner Circuit Resistance - Low On Deployment Control - Row 2 Middle Position
Pretensioner Circuit Short To Battery - Rear Seat Driver's Side	Pretensioner Circuit Short To Battery - Rear Seat Passenger's Side
Pretensioner Circuit Short To Battery - Row 2 Middle Position	Pretensioner Circuit Short To Ground - Rear Seat Driver's Side
Pretensioner Circuit Short To Ground - Rear Seat Passenger's Side	Pretensioner Circuit Short To Ground - Row 2 Middle Position
Restraint System Calibration	Side Air Bag 2 Circuit Open - Driver Side
Side Air Bag 2 Circuit Open - Front Passenger Side	Side Air Bag 2 Circuit Resistance - Low On Deployment Control -Driver's Side
Side Air Bag 2 Circuit Resistance - Low On Deployment Control - Front Passenger's Side	Side Air Bag 2 Circuit Short To Battery - Front Passenger Side

ARM Sensors (continued)

Side Air Bag 2 Circuit Short To Ground - Driver Side	Side Air Bag 2 Circuit Short To Ground - Front Passenger Side
Vehicle Identification Voltage 1	Vehicle Identification Voltage 2

ASU Sensors

Acceleration Sensors Supply	Barometric Pressure
Battery Voltage	Brake Fluid Hydraulic Pressure
Calculated External Temperature	Compressor Status
Control Module Status	Controller State
Damper Firm - Battery Voltage Out Of Range	Damper Firm - Error
Damper Firm - Lateral Acceleration	Damper Firm - Long Wave
Damper Firm - Longitudinal Acceleration	Damper Firm - Low Vehicle Velocity
Damper Front Firm And Rear Soft	Damper Front Soft And Rear Firm
Damper Left Firm And Right Soft	Damper Left Soft And Right Firm
Engine Speed	Exhaust Solenoid Status
Front Left Damper Solenoid Valve Output Control	Front Left Height Sensor
Front Right Damper Solenoid Valve Output Control	Front Right Height Sensor
Front Vertical Acceleration	Height Sensor Supply Voltage 1
Height Sensor Supply Voltage 2	High Intensity Discharge Lamp Output
Lateral Acceleration	Levelling In Progress Status
Number Of Permanent Diagnostic Trouble Codes	Pressure Sensor
Pressure Sensor Supply	Rear Left Damper Solenoid Valve Output Control
Rear Left Height Sensor	Rear Right Damper Solenoid Valve Output Control
Rear Right Height Sensor	Rear Vertical Acceleration
Reservoir Solenoid Status	Steering Wheel Angle
Vehicle Speed	

ATC Sensors

Air Blend Door Position	Air Blend Door Target Position
Air Conditioning Driver Heater Sensor	Air Conditioning Passenger's Heater Sensor
Air Distribution Switch	Air Intake Servo Motor Potentiometer
Air Intake Servo Motor Target Position	Aspirator Motor Speed
Audible Tone Control	Auto Switch
Background Illumination	Battery Voltage
Blower Motor	Blower Motor Control Level
Blower Motor Feedback	Blower Motor Relay
Blower Motor Speed	Blower Motor Speed Feedback
Calculated External Temperature	Climate Control Switch Input Status 1
Cold Air Bypass Servo Position Status	Compressor Motor Current
Control Module Status	Defrost Servo Position Status
Defrost Switch	Defrost Vent Door Position
Defrost Vent Door Target Position	Driver Decrement Temperature Switch - Right

ATC Sensors (continued)

Driver Decrement Temperature Switch - Left	Driver Increment Temperature Switch - Right
Driver Increment Temperature Switch - Left	Driver's Coolant Control Valve
Dual Mode Button	English Metric Switch
Evaporator Air-off Temperature	Fan Decrease Speed Switch
Fan Increase Speed Switch	Floor Servo Position Status
Floor Switch	Floor Defrost Switch Input
Heated Front Screen	Heated Rear Screen
Heated Windshield Switch	Ignition Input
Ignition Status	Interior Temperature
Left Air Mix Servo Motor Potentiometer	Left Air Mix Servo Motor Target Position
Left Cool Air Bypass Servo Motor Potentiometer	Left Cool Air Bypass Servo Motor Target Position
Left Interior Solar Sensor	Left Mode Servo Motor Potentiometer
Left Mode Servo Motor Target Position	Left Outlet Air Temperature
Lighting Control Input	Measured External Temperature
Mode Select Switch	Number Of Permanent Diagnostic Trouble Codes
Number Of Trouble Codes Set By Diagnostic Tests	Off Switch
Outlet Air Temperature	Panel Servo Position Status
Panel Switch	Panel Vent Door Position
Panel Vent Door Target Position	Panel Floor Switch
Passenger's Coolant Control Valve	Passenger's Decrement Temperature Switch - Right
Passenger's Decrement Temperature Switch - Left	Passenger's Increment Temperature Switch - Right
Passenger's Increment Temperature Switch - Left	Rear Defrost Switch
Recirculation Door Position	Recirculation Door Target Position
Recirculation Servo Position Status	Recirculation Switch
Relative Humidity Percentage	Right Air Mix Servo Motor Potentiometer
Right Air Mix Servo Motor Target Position	Right Cool Air Bypass Servo Motor Potentiometer
Right Cool Air Bypass Servo Motor Target Position	Right Interior Solar Sensor
Right Mode Servo Motor Potentiometer	Right Mode Servo Motor Target Position
Right Outlet Air Temperature	Sensor Power Supply Monitor
Smog Carbon Dioxide Sensor	Smog Nitrous Oxide Sensor
Solar Sensor	Switch System Power Input
Temperature Decrease Switch	Temperature Demand
Temperature Increase Switch	

ATCISO Sensors

Water Valve Duty	Basic Control Value
Center Face Servo Motor Potentiometer	Compressor Clutch Feedback
Cool Air Bypass Servo Motor Potentiometer	Customer Variable Temperature Offset
Defrost Servo Motor Potentiometer	Engine Coolant Temperature
Evaporator Air-off Temperature	External Air Temperature
Feet To Face Differential	Final Mode Request

ATCISO Sensors (continued)

Foot Servo Motor Potentiometer	Heat Load Due To Solar Radiation
Heater Matrix Air-off Temperature	In-Car Sensor
Left Recirculation Servo Potentiometer	Magnetic Clutch Request
Number Of Permanent Diagnostic Trouble Codes	Pressure Switch
Rev	Right Recirculation Servo Potentiometer
Solar Sensor	Target Face Airflow Temperature
Target Foot Airflow Temperature	Temperature Demand
Water Pump Lock	Water Pump Motor Relay
Water Valve	

BPM Sensors

Air Bag Lamp Failure Warning Input	Air Bag Warning Bulb Failure Input
Body Processor Module Internal VPull Enable	Brake Switch
Central Lock Switch	Central Locking Relay
Column Reach Potentiometer	Column Tilt Potentiometer
Convertible Top Down Switch	Convertible Top Latch Closed Switch
Convertible Top Latch Open Switch	Convertible Top Latch Ready Switch
Convertible Top Up Switch	Dip Beam Relay
Dip Beam Switch	Disable Tilt-away Switch
Driver's Door Ajar Switch	Driver's Door Window Glass Lift Relay
Driver's Seat Heater Relay	Driver's Seat Heater Switch
Engine Management System MIL	Exterior Lamp Night Day Sensor
Exterior Lamp Night Day Switch	Fast Wipe Switch
Flasher Headlamp Switch Stalk	Front Fog Lamp
Front Fog Lamp Switch	Front Fog Relay And Status LED
Front Fog Switch	Front Left Turn Signal Lamp Feedback
Front Passenger's Door Window Glass Lift Relay	Front Right Turn Signal Lamp Feedback
Fuel Filler Door Release Switch	Gear Selector In Neutral Switch
Gear Selector Not In Park Switch	Gear Shift Solenoid
Gearshift In Neutral Or Park	Gearshift Release Solenoid
Gearshift Solenoid Feedback	Hazard Lamp Switch
Hazard Relay	Hazard Status Bulb
Hazard Switch	Hazard Warning Lamp
Headlamp Convenience	Headlamp Flash Switch
Headlamp Powerwash Relay	Headlamp Switch
Headlamp Wash Pump Relay	High Beam Relay
High Beam Tell-tale	Hood Ajar Switch
Horn Relay	Horn Switch
Ignition Auxiliary Switch	Ignition Crank Switch
Ignition Feed Positive	Ignition Key Hold Solenoid
Ignition Switch	Inertia Switch
Interior Lamp Enable Output	Interior Lamp Fade 1 And 2 Output

BPM Sensors (continued)

Interior Lamp Fade 1 Feedback	Interior Lamp Fade 2 Feedback
Interior Lamp Switch	Intermittent Wipe Switch
Key Barrel Solenoid	Key In Ignition Switch
Keylock Solenoid Feedback	Left And Right Side And Side Markers
Left And Right Side And Tail Lamps	Left High Beam
Left Low Beam	Left Seat Heater And LED
Left Seat Heater Switch	Left Tail Lamp Feedback
Left Turn Signal - Front Rear Repeater Trailer Output	Left Turn Signal Disconnect
Left Turn Signal Failure	Left Turn Signal Lamps
Left Turn Signal Switch	Luggage Compartment Lamp
Luggage Compartment Lid Open Switch	Luggage Compartment Lid Release Switch
Main Headlamp Switch	Mirror Fold Back Relay
Module Internal Switched VBatt - Body Processor Module	Number Of Permanent Diagnostic Trouble Codes
Passenger's Door Ajar Switch	Passenger's Seat Heater Relay
Passenger's Seat Heater Switch	Puddle Lamps
Rear Door Window Glass Inhibit Switch	Rear Door Window Glass Lift Relays
Rear Fog Lamp Switch	Rear Fog LED
Rear Fog Switch	Rear Left Fog Lamp
Rear Left Turn Signal Feedback	Rear Quarter Glass Down Relay
Rear Quarter Glass Up Relay	Rear Right Fog Lamp
Rear Right Turn Signal Lamp Feedback	Right High Beam
Right Low Beam	Right Seat Heater And LED
Right Seat Heater Switch	Right Tail Lamp Feedback
Right Turn Signal - Front Rear Repeater Trailer Output	Right Turn Signal Disconnect
Right Turn Signal Failure	Right Turn Signal Lamps
Right Turn Signal Switch	Safety Belt Buckle Switch
Safety Belt Logic Input	Safety Belt Visual Warning
Seat Memory Audible Warning	Security Acknowledge
Security Acknowledge Input	Security Status Led Direction
Security Status Led Output	Security System All Close
Side And Tail Lamp Switch	Side Lamp Switch
Side Lamps	Side Left Lamp Feedback
Side Marker And Number Plate Lamps' Relay	Side Marker Left Lamp Feedback
Side Marker Right Lamp Feedback	Side Right Lamp Feedback
Sliding Roof Close	Sliding Roof Close 1 Output
Sliding Roof Close 2 Output	Slow Wipe Switch
Slow Flick Wipe	Starter Motor Relay
Starter Relay	Steering Column Down Motor
Steering Column In Motor	Steering Column Out Motor
Steering Column Up Motor	Supply Voltage - Ignition
Tail Light Relay	Transmit Relay Off

Turn Signal Bulb Failure	Turn Signal Left Trailer Lamp Feedback
BPM Sensors (continued)	
Turn Signal Repeater Left Lamp Feedback	Turn Signal Repeater Right Lamp Feedback
Turn Signal Right Trailer Lamp Feedback	Valet Switch
Wash Wipe Switch	Washer Fluid Level
Washer Fluid Ok	Windshield Wash Fluid Low Switch
Windshield Wash Motor	Windshield Wash Motor Feedback
Windshield Wash Pump Relay	Windshield Wash Switch
Windshield Wiper Motor Relay	Windshield Wiper Park Switch
Windshield Wiper Run Stop Relay	Windshield Wiper Speed Select Relay

BPMISO Sensors

Brake Switch	Driver's Door Ajar Switch
Driver's Door Window Glass Lift Relay	Driver's Seat Heater Relay
Driver's Seat Heater Switch	Engine Management System MIL
Flasher Headlamp Switch Stalk	Front Fog Lamp
Front Fog Lamp Switch	Front Passenger's Door Window Glass Lift Relay
Gearshift In Neutral Or Park	Gearshift Release Solenoid
Hazard Lamp Switch	Hazard Warning Lamp
Headlamp Convenience	Headlamp Switch
Headlamp Wash Pump Relay	High Beam Tell-tale
Ignition Key Hold Solenoid	Ignition Switch
Interior Lamp Switch	Intermittent Wipe Switch
Key In Ignition Switch	Left High Beam
Left Low Beam	Left Turn Signal Disconnect
Left Turn Signal Failure	Left Turn Signal Lamps
Left Turn Signal Switch	Luggage Compartment Lamp
Luggage Compartment Lid Open Switch	Passenger's Door Ajar Switch
Passenger's Seat Heater Relay	Passenger's Seat Heater Switch
Puddle Lamps	Rear Door Window Glass Lift Relays
Rear Fog Lamp Switch	Rear Left Fog Lamp
Rear Right Fog Lamp	Right High Beam
Right Low Beam	Right Turn Signal Disconnect
Right Turn Signal Failure	Right Turn Signal Lamps
Right Turn Signal Switch	Safety Belt Logic Input
Safety Belt Visual Warning	Seat Memory Audible Warning
Security System All Close	Side Lamp Switch
Side Lamps	Sliding Roof Close
Slow Flick Wipe	Starter Relay
Transmit Relay Off	Turn Signal Bulb Failure
Wash Wipe Switch	Washer Fluid Ok
Windshield Wash Pump Relay	Windshield Wiper Motor Relay
Windshield Wiper Park Switch	

CCM Sensors

Water Valve Duty	Air Conditioning Driver Heater Sensor
Air Conditioning Passenger's Heater Sensor	Air Conditioning Post Evaporator Sensor
Auto Switch	Basic Control Value
Blower Motor Speed Compensation Due To Vehicle Speed	Blower Speed Compensation Due To Vehicle Speed
Bypass Servo Position	Center Face Servo Motor Potentiometer
Center Face Vent Servo Motor Pot	Climate Control Module Battery Positive
Climate Control Switch Input Status 1	Compressor Clutch Feedback
Cool Air Bypass Servo Motor Potentiometer	Customer Variable Temperature Offset
Defrost Servo Motor Potentiometer	Defrost Servo Position
Defrost Switch	Driver Decrement Temperature Switch
Driver Increment Temperature Switch	Engine Coolant Temperature
Engine Speed	English Metric Switch
Evaporator Air-off Temperature	External Air Sensor
External Air Temperature	External Temperature Sensor Filtered Data 2
External Temperature Sensor Unfiltered Data 2	External Temperature Switch
Face Airflow Increase Due To Solar Load	Face Airflow Temp Reduction Due To Solar Load
Face Airflow Temperature Reduction Due To Solar Load	Fan Decrease Speed Switch
Fan Increase Speed Switch	Feet To Face Differential
Final Mode Request	Floor Servo Position
Floor Switch	Floor Defrost Switch Input
Foot Servo Motor Potentiometer	Heat Load Due To Solar Radiation
Heated Windshield Switch	Heater Matrix Air-off Temperature
In-car Sensor	Interior Actual Temperature 2
Left Recirculation Servo Pot	Left Recirculation Servo Potentiometer
Magnetic Clutch Request	Number Of Diagnostic Trouble Codes Logged
Number Of Permanent Diagnostic Trouble Codes	Off Switch
Panel Servo Position	Panel Switch
Panel Floor Switch	Passenger's Decrement Temperature Switch
Passenger's Increment Temperature Switch	Pressure Switch
Rear Defrost Switch	Recirculation Servo Position
Recirculation Switch	REV
Right Recirculation Servo Pot	Right Recirculation Servo Potentiometer
Right Solar Sensor	Solar Radiation Sensor
Solar Sensor	Tam2
Target Cool Air BP Opening Angle	Target Face Airflow Rate
Target Face Airflow Temp	Target Face Airflow Temperature
Target Foot Airflow Rate	Target Foot Airflow Temp
Target Foot Airflow Temperature	Temperature Demand
Temporary Bi-level Split Ratio	TS4B
Vehicle Speed	Water Pump Lock
Water Pump Motor Relay	Water Valve

CCMCAN Sensors

Control Module Supply Voltage	External Temperature
Global Real Time	In-Car Temperature
Main Engine Control Module Voltage Supply	Total Distance
Forward Looking Sensor - Automatic Gain Control Error	Forward Looking Sensor - Complex Instruction Set Computer Communication Error
Forward Looking Sensor - Digital Service Process Communication Error	Forward Looking Sensor - Electrically Erasable Programmable Read Only Memory Error.
Forward Looking Sensor - Encoder Error	Forward Looking Sensor - Negative Power Supply Error
Forward Looking Sensor - Receive Beat Signal Offset Error	Forward Looking Sensor - Receive Filter Circuit Error
Forward Looking Sensor - Receive Noise Floor Error	Forward Looking Sensor - Reduced Instruction Set Computer Communication Error
Forward Looking Sensor - Temperature Measure Error	Forward Looking Sensor - Transmit Modulation Voltage Error
Forward Looking Sensor - Voltage Control Oscillator Modulation Stop Error	Forward Looking Sensor - Voltage Control Oscillator Modulation Wide Error

CMM Sensors

Auxiliary Ignition Input	Door - closed/open
Drive Reach Axis Position	Drive Tilt Axis Position
Driver's Mirror Adjustment Switch Right/left Input	Driver's Mirror Adjustment Switch Up/down Input
Driver's Mirror Horizontal Feedback Potentiometer	Driver's Mirror Horizontal Motor Direction
Driver's Mirror Horizontal Motor Feedback Invalid	Driver's Mirror Horizontal Motor Moving
Driver's Mirror Horizontal Motor Position	Driver's Mirror Horizontal Motor Stall Back
Driver's Mirror Horizontal Motor Stall Forward	Driver's Mirror Vertical Feedback Potentiometer
Driver's Mirror Vertical Motor Direction	Driver's Mirror Vertical Motor Feedback Invalid
Driver's Mirror Vertical Motor Moving	Driver's Mirror Vertical Motor Position
Driver's Mirror Vertical Motor Stall Back	Driver's Mirror Vertical Motor Stall Forward
Entry Exit Enable	Key In Ignition Switch
Memory 0 Set Switch Off/on	Memory 1 Select Switch Off/on
Memory 2 Select Switch Off/on	Memory 3 Select Switch Off/on
Number Of Diagnostic Trouble Codes Logged	Park Gear
Parking Brake	Passenger's Mirror Adjustment Switch Right/left Input
Passenger's Mirror Adjustment Switch Up/down Input	Passenger's Mirror Horizontal Feedback Potentiometer
Passenger's Mirror Horizontal Motor Direction	Passenger's Mirror Horizontal Motor Feedback Invalid
Passenger's Mirror Horizontal Motor Moving	Passenger's Mirror Horizontal Motor Position
Passenger's Mirror Horizontal Motor Stall Back	Passenger's Mirror Horizontal Motor Stall Forward
Passenger's Mirror Vertical Feedback Potentiometer	Passenger's Mirror Vertical Motor Direction
Passenger's Mirror Vertical Motor Feedback Invalid	Passenger's Mirror Vertical Motor Moving
Passenger's Mirror Vertical Motor Position	Passenger's Mirror Vertical Motor Stall Back
Passenger's Mirror Vertical Motor Stall Forward	Remote Recall Input
Reverse Input	Steering Column Adjust Switch Input
Steering Column Reach Adjuster Motor Direction	Steering Column Reach Adjuster Motor Feedback Invalid
Steering Column Reach Adjuster Motor Moving	Steering Column Reach Adjuster Motor Position
Steering Column Reach Adjuster Motor Stall Back	Steering Column Reach Adjuster Motor Stall Forward

CMM Sensors (continued)

Steering Column Reach Feedback Potentiometer	Steering Column Tilt Adjuster Motor Direction
Steering Column Tilt Adjuster Motor Feedback Invalid	Steering Column Tilt Adjuster Motor Moving
Steering Column Tilt Adjuster Motor Position	Steering Column Tilt Adjuster Motor Stall Back
Steering Column Tilt Adjuster Motor Stall Forward	Steering Column Tilt Feedback Potentiometer
Voltage Reference Status Flag	

CPM Sensors

Auxiliary Input	Battery Voltage
Cellular Network Signal Strength	Cellular Telephone End Button
Cellular Telephone Function Button	Cellular Telephone Handset # Button
Cellular Telephone Handset Astericks Button	Cellular Telephone Handset 0 Button
Cellular Telephone Handset 1 Button	Cellular Telephone Handset 2 Button
Cellular Telephone Handset 3 Button	Cellular Telephone Handset 4 Button
Cellular Telephone Handset 5 Button	Cellular Telephone Handset 6 Button
Cellular Telephone Handset 7 Button	Cellular Telephone Handset 8 Button
Cellular Telephone Handset 9 Button	Cellular Telephone Handset Clr Button
Cellular Telephone Recall Button	Cellular Telephone Send Button
Cellular Telephone Store Button	Cellular Telephone Vol - Button
Cellular Telephone Vol + Button	Control Module Status
D2b Wake-up Status	Emergency Mode Indicator
Emergency Mode Switch	Ignition Status
Ignition Switch - Auxiliary	Ignition Switch - Run
Ignition Switch - Start	Information Mode Indicator
Information Mode Switch	Mute Status
Number Of Permanent Diagnostic Trouble Codes	

DDM Sensors

All Doors Lock Sense	Battery Over Voltage Shutdown
Battery Positive - Driver's Door Module	Battery Under Voltage Shutdown
Battery Voltage	Central Door Unlock Switch Status
Central Locking - Door Unlock Switch Status	Control Module Status
Driver's Door Ajar Switch	Driver's Door Cylinder Switch
Driver's Door Double Lock Activated	Driver's Door Guard Lamp Digital Feedback
Driver's Door Guard Lamp Output	Driver's Door Key Barrel Lock Switch
Driver's Door Key Barrel Unlock Switch	Driver's Door Lock Activated
Driver's Door Lock Status	Driver's Door Module PCB Temperature
Driver's Door Module Security Output	Driver's Door Puddle Lamp
Driver's Door Superlock Drive Output	Driver's Door Unlock Activated
Driver's Door Unlock Disarm Switch	Driver's Door Unlock Drive Output
Driver's Door Unlock Status	Driver's Door Window Glass Down Output
Driver's Door Window Glass Down Switch	Driver's Door Window Glass Inhibit Switch
Driver's Door Window Glass One Touch Down Switch	Driver's Door Window Glass Up Output

DDM Sensors (continued)

Driver's Door Window Glass Up Switch	Driver's Door Window Glass Up Down Current Feedback
Driver's Exterior Door Handle Switch	Driver's Exterior Rear View Mirror Down Switch
Driver's Exterior Rear View Mirror Drive Down Output	Driver's Exterior Rear View Mirror Drive Left Output
Driver's Exterior Rear View Mirror Drive Right Output	Driver's Exterior Rear View Mirror Drive Up Output
Driver's Exterior Rear View Mirror Feedback Potentiometer And Movement Power Control	Driver's Exterior Rear View Mirror Horizontal Position Sensor
Driver's Exterior Rear View Mirror Left Switch	Driver's Exterior Rear View Mirror Left Right Position Feedback Potentiometer
Driver's Exterior Rear View Mirror Output Fault Digital Feedback	Driver's Exterior Rear View Mirror Right Switch
Driver's Exterior Rear View Mirror Select Switch	Driver's Exterior Rear View Mirror Up Switch
Driver's Exterior Rear View Mirror Up Down Position Feedback Potentiometer	Driver's Exterior Rear View Mirror Vertical Position Sensor
Driver's Horizontal Mirror Position AD	Driver's Mirror Horizontal Position Sensor
Driver's Mirror Position AD	Driver's Mirror Vertical Position Sensor
Driver's Rear Door Window Glass Down Switch	Driver's Rear Door Window Glass Up Switch
Last Received Transmitter Identity Code Value	Last Remote Keyless Entry Received Data Byte
Left Mirror Left Right Switch Input	Left Mirror Up Down Switch Input
Memory 1 Switch Input	Memory 2 Switch Input
Memory Set LED Feedback Driver's Door Module	Memory Set LED Output Driver's Door Module
Memory Set Switch Input	Mirror Down Switch
Mirror Fold-back Switch Input	Mirror Left Selector Switch
Mirror Left Switch	Mirror Right Selector Switch
Mirror Right Switch	Mirror Selector
Mirror Up Switch	Module Reset Counter
Number Of Permanent Diagnostic Trouble Codes	Number Of Programmed Transmitters
Number Of Trouble Codes Set By Diagnostic Tests	Passenger's Approach Lamp Dimmer Level
Passenger's Door Mirror Select Switch Driver's Door Module	Passenger's Door Window Glass Down Switch State
Passenger's Door Window Glass Down Switch	Passenger's Door Window Glass Up Switch Status
Passenger's Door Window Glass Up Switch	Passenger's Rear Door Window Glass Down Switch
Passenger's Rear Door Window Glass Up Switch	Power Door Glass Window - Front Left Peak Motor Current
Program New Key Fob Transmitters	Programmed Transmitter Identity Code Value
Rear Left Door Window Glass Down Switch Status	Rear Left Door Window Glass Up Switch Status
Rear Right Door Window Glass Down Switch Status	Rear Right Door Window Glass Up Switch Status
Right Mirror Up Left Switch Input	Right Mirror Down Right Switch Input
Sensor Reference Voltage	System Battery Voltage Potential Over Voltage
System Battery Voltage Potential Under Voltage	VPWR Fault Feedback Driver's Door Module

DHM Sensors

Current Head Restraint Position	Driver's Head Restraint Memory And Movement Control
Head Restraint Down Switch Input Status	Head Restraint Up Switch Input Status
Latch Switch Input Status	Maximum Supply Voltage To Switch Head Restraint Motor Off
Maximum Supply Voltage To Switch Head Restraint Motor On	Minimum Supply Voltage To Switch Head Restraint Motor Off
Minimum Supply Voltage To Switch Head Restraint Motor On	Status Of Head Restraint Down Output
Status Of Head Restraint Up Output	Status Of Potentiometer Supply Output
System Battery Voltage Value 1 - 1/10	Tilt Switch Input Status
Total Number Of Diagnostic Trouble Codes	Voltage At Head Restraint Potentiometer Feed
Voltage At Head Restraint Potentiometer Ground	Voltage At Head Restraint Potentiometer Reference
Voltage At Head Restraint Relay Output Is Down	Voltage At Head Restraint Relay Output Is Up

DRDM Sensors

Battery Voltage	Driver's Rear Door Module Memory Switch 1
Driver's Rear Door Module Memory Switch 2	Driver's Rear Door Module Memory Switch 3
Driver's Rear Door Ajar Switch	Driver's Rear Door Guard Lamp Digital Feedback
Driver's Rear Door Guard Lamp Output	Driver's Rear Door Superlock Drive Output
Driver's Rear Door Unlock Drive Output	Driver's Rear Door Window Glass Down Output
Driver's Rear Door Window Glass Down Switch	Driver's Rear Door Window Glass Up Output
Driver's Rear Door Window Glass Up Switch	Driver's Rear Door Window Glass Up Down Feedback
Memory Set Switch Driver's - Rear Door Module	

DSM Sensors ___

Auxiliary Ignition	Backrest Recline Feedback
Backrest Recline Lower Switch	Backrest Recline Raise Switch
Battery Over Voltage Shutdown	Battery Under Voltage Shutdown
Battery Voltage	Battery Voltage - Driver's Seat Module
Brake Switch	Control Module Status
Door Ajar Switch	Driver Seat Forward Backward Position Sensor
Driver Seat Front Up Down Position Sensor Present	Driver Seat Height Down Switch
Driver Seat Incline Motor Output	Driver Seat Incline Switch
Driver's Feedback Potentiometer Reference Voltage	Driver's Head Restraint Down Switch - Short Circuit To Battery
Driver's Head Restraint Height Motor Is Out Of Range	Driver's Head Restraint Height Motor Memory Position Is Out Of Range
Driver's Head Restraint Up Switch - Short Circuit To Battery	Driver's Seat Aft Motor Output
Driver's Seat Aft Switch	Driver's Seat Cushion Extend Motor Is Out Of Range
Driver's Seat Cushion Extend Motor Memory Position Is Out Of Range	Driver's Seat Cushion Extend Position
Driver's Seat Cushion Extend Switch - Short Circuit To Battery	Driver's Seat Cushion Retract Switch - Short Circuit To Battery

DSM Sensors (continued)

Driver's Seat Fore Motor Output	Driver's Seat Fore Switch
Driver's Seat Fore/ And Aft Feedback Potentiometer	Driver's Seat Forward Switch - Circuit Short To Battery
Driver's Seat Front Down Switch - Circuit Short To Battery	Driver's Seat Front Height Down Motor Output
Driver's Seat Front Height Down Switch	Driver's Seat Front Height Feedback Potentiometer
Driver's Seat Front Height Up Motor Output	Driver's Seat Front Height Up Switch
Driver's Seat Front Up Switch - Circuit Short To Battery	Driver's Seat Front Vertical Motor Memory Position Is Out Of Range
Driver's Seat Front Vertical Motor Position Is Out Of Range	Driver's Seat Front Vertical Position
Driver's Seat Head Restraint Down Motor Output	Driver's Seat Head Restraint Down Switch
Driver's Seat Head Restraint Feedback Potentiometer	Driver's Seat Head Restraint Position
Driver's Seat Head Restraint Up Motor Output	Driver's Seat Head Restraint Up Switch
Driver's Seat Height Down Switch - Short Circuit To Battery	Driver's Seat Height Up Switch - Short Circuit To Battery
Driver's Seat Horizontal Height Motor Is Out Of Range	Driver's Seat Horizontal Motor Memory Position Is Out Of Range
Driver's Seat Horizontal Position	Driver's Seat Incline/recline Feedback Potentiometer
Driver's Seat Rear Height Down Motor Output	Driver's Seat Rear Height Down Switch Input
Driver's Seat Rear Height Feedback Potentiometer	Driver's Seat Rear Height Up Motor Output
Driver's Seat Rear Height Up Switch	Driver's Seat Rear Up Down Position Sensor
Driver's Seat Rearward Switch - Circuit Short To Battery	Driver's Seat Recline Forward Switch - Circuit Short To Battery
Driver's Seat Recline Motor Is Out Of Range	Driver's Seat Recline Motor Memory Position Is Out Of Range
Driver's Seat Recline Motor Output	Driver's Seat Recline Position
Driver's Seat Recline Position Sensor	Driver's Seat Recline Rearward Switch - Circuit Short To Battery
Driver's Seat Recline Switch	Driver's Seat Vertical Height Motor Is Out Of Range
Driver's Seat Vertical Motor Memory Position Is Out Of Range	Driver's Seat Vertical Position
Exit Entry Switch	Handbrake
Head Restraint Down Switch	Head Restraint Feedback
Head Restraint Lower Switch	Head Restraint Raise Switch
Head Restraint Up Switch	In Park Switch
Key In Ignition Switch	Lumbar Deflate Motor Output
Lumbar Deflate Switch Input	Lumbar Inflate Motor Output
Lumbar Inflate Switch Input	Mirror Fold-back Motor Output
Number Of Diagnostic Trouble Codes Logged	Number Of Permanent Diagnostic Trouble Codes
Recall Memory Position 1 Switch	Recall Memory Position 2 Switch
Recall Memory Position 3 Switch	Safety Belt Buckle Switch Input
Seat Aft Switch	Seat Backward Switch
Seat Cushion Extend Switch	Seat Cushion Front Feedback
Seat Cushion Front Lower Switch	Seat Cushion Front Raise Switch
Seat Cushion Rear Feedback	Seat Cushion Rear Lower Switch

DSM Sensors (continued)

Seat Cushion Rear Raise Switch	Seat Cushion Retract Switch
Seat Fore Switch	Seat Fore and Aft Feedback
Seat Forward Switch	Seat Front Height Down Switch Input
Seat Front Height Feedback Potentiometer	Seat Front Height Up Motor Output
Seat Front Height Up Switch Input	Seat Heater Output
Seat Height Down Motor Output	Seat Height Down Switch Input
Seat Height Feedback Potentiometer	Seat Height Up Motor Output
Seat Height Up Switch Input	Seat Incline Switch
Seat Memory Audible Signal	Seat Memory Position
Seat Rear Height Down Motor Output	Seat Rear Height Down Switch Input
Seat Rear Height Up Motor Output	Seat Rear Height Up Switch Input
Seat Recline Switch	System Battery Voltage Potential Over Voltage
System Battery Voltage Potential Under Voltage	

ECMSCP Sensors _____

Accelerator Pedal Position Sensor 1	Accelerator Pedal Position Sensor 2
Accelerator Pedal Position Sensor 3	Air Conditioning Clutch
Battery Electrolite Temperature	Battery Positive Voltage
Brake Switch 1 - Central Processor Unit 1	Cylinder Head Temperature
Diagnostic Trouble Codes Count	Electric Coolant Heater Relay 1
Electric Coolant Heater Relay 2	Electronic Control Unit Operating States
Engine Control Module Identification Transfer Flag Clear	Engine Coolant Temperature
Engine Cooling Fan	Engine Revolutions Per Minute
Engine Speed	Exhaust Gas Recirculation Valve Position
Fuel Offset For Injector A	Fuel Offset For Injector B
Fuel Offset For Injector C	Fuel Offset For Injector D
Fuel Rail Pressure	Fuel Rail Temperature
Glow Plug Control	High-speed Electrically Driven Fan
Ignition Key Status	Intake Air Temperature
Manifold Absolute Pressure Sensor	Mass Air Flow Sensor
Mass Fuel Desired - milligrams/stroke	Outcode
Reverse Switch	Speed Control
Speed Control Command Switch	Speed Control Specific Brake Status
Variable Geometry Turbocharger	Vehicle Security Access Status
Vehicle Speed	

EPB Sensors

Brake On Off Switch	Clutch Position Voltage
Control Module Status	Electric Parking Brake Apply Switch Is Active
Electric Parking Brake Release Switch Is Active	Engine Speed
Fully Applied	Fully Released
Ignition Switch - Auxiliary	Ignition Switch - Run

EPB Sensors (continued)

Ignition Switch - Start	In Gear
Initial Power-up Manual Apply Performed	Key In Ignition Switch
Motor Applying	Motor Releasing
Number Of Permanent Diagnostic Trouble Codes	Number Of Trouble Codes Set By Diagnostic Tests
Off Lock Position	Parking Brake Disengaged
Parking Brake Engaged	Parking Brake Release To Service Position
Partially - Dynamically Applied	Run Auxiliary Position
Run Start Position	Setpoint For Degree Of Parking Brake Release Given By Pulse Counter
Transmission Gearshift Selected - PRNDL	Vehicle Speed Low Resolution

FEM Sensors

Audio Unit Remove Switch	Backlighting Intensity Control Command
Battery Over Voltage Shutdown	Battery Under Voltage Shutdown
Battery Voltage	Both High Beam Lamps Driver Output
Both Low Beam Lamps Driver Output	Brake Shift Interlock Activation
Control Module Status	Courtesy Lamp Output
Driver's Adjustable Seat Pedal Rearward Forward Position	Driver's Door Ajar Switch
Driver's Seat Heater Switch	Flick Wipe Switch Input Status
Front Left Turn Signal Driver Output	Front Left Turn Signal Driver Short To Battery
Front Navigation Security Input	Front Right Turn Signal Driver Output
Front Right Turn Signal Driver Short To Battery	Front Windshield Wiper Control Mode
Front Windshield Wiper Control Mode Select Position And Delay Interval	General Electronics Control Module Security Output
Glove Box Release Output	Hazard Warning Lamps
Headlamp Washer	Hood Ajar Switch
Horn Relay	Ignition Switch Run Status
Ignition Tamper Sense Input Status	Interior Lamp Override Switch Status
Intrusion Sensor Power	Left High Beam Lamp Driver Output
Left High Beam Lamp Driver Output Short To Battery	Left Low Beam Lamp Driver Output
Left Low Beam Lamp Driver Output Short To Battery	Left Marker Lamp Driver Output
Left Marker Lamp Driver Output Short To Battery	Left Seat Heater Output
Left Seat Heater Temperature Switch Input	Left Seat Heater Thermal Sensor
Lighting Control Input	Luggage Compartment Lid Release Switch
Module Reset Counter	Number Of Permanent Diagnostic Trouble Codes
Number Of Trouble Codes Set By Diagnostic Tests	Oil Pressure Switch
Panic Switch	Parking Lamps
Passenger Mirror Position AD - Left Right	Passenger Mirror Position AD - Up Down
Passenger's Approach Lamp Dimmer Level	Passenger's Door Ajar Switch
Passenger's Door Puddle Lamp	Passenger's Mirror Down
Passenger's Mirror Horizontal Position Sensor	Passenger's Mirror Left
Passenger's Mirror Right	Passenger's Mirror Up

FEM Sensors (continued)

Passenger's Mirror Vertical Position Sensor	Passenger's Seat Heater Switch
Pedal Backward Motor Output	Pedal Forward Motor Output
Pedal Position Backward Switch	Pedal Position Forward Switch
Pedals Backward	Pedals Forward
Power Steering Input Current	Powerwash Pump Control Relay
Rear Left Navigation Security Input	Rear Right Navigation Security Input
Right High Beam Lamp Driver Output	Right High Beam Lamp Driver Output Short To Battery
Right High Beam Output - or Both	Right Low Beam Lamp Driver Output
Right Low Beam Lamp Driver Output Short To Battery	Right Low Beam Output - or Both
Right Marker Lamp Driver Output	Right Marker Lamp Driver Output Short To Battery
Right Seat Heater Output	Right Seat Heater Temperature Switch Input
Right Seat Heater Thermal Sensor	Steering Column Lock Activation
Steering Column Lock Ground Output	Switch System Power Relay Driver Output
System Battery Voltage Potential Over Voltage	System Battery Voltage Potential Under Voltage
Valet Switch	Variable Assist Power Steering Duty Cycle
Variable Assist Power Steering Output Value	Vehicle Speed Low Resolution
Washer Fluid Low Switch	Washer Pump Relay
Washer Pump Switch Status	Windshield Wiper Is In The Park Position
Windshield Wiper Run Relay	Windshield Wiper Speed Relay
Windshield Wiper Speed Status	

FETM Sensors

Num Preset Switch	Astericks Preset Switch
AM FM Switch Status	Antenna Signal
Audio Steering Switch Circuit	Audio System Display Segments Test
Audio Unit	Audio Unit Ground
Auto-Memory Switch	Auxiliary Input
Battery Input	Clear Cancel Switch
CD Switch	Cellular Telephone Mode Switch
Cellular Telephone Send Switch	Column Band Music Switch
Column Seek - Switch	Column Seek + Switch
Column Telephone Voice Switch	Column Volume - Switch
Column Volume + Switch	Control Module Status
D2B Fault Pid Node Position 1	D2B Fault Pid Node Position 2
D2B Fault Pid Node Position 3	D2B Fault Pid Node Position 4
D2B Fault Pid Node Position 5	D2B Fault Pid Node Position 6
D2B Fault Pid Node Position 7	D2B Wake-up Status
Dolby Switch	Eject Switch
Entry Exit Control Status	Front Left Speaker
Front Right Speaker	Memory Recall Switch
Mix Switch	Mode Switch

FETM Sensors (continued)	
Number Of Permanent Diagnostic Trouble Codes	Power Switch
Preset 0 Switch	Preset 1 Switch
Preset 2 Switch	Preset 3 Switch
Preset 4 Switch	Preset 5 Switch
Preset 6 Switch	Preset 7 Switch
Preset 8 Switch	Preset 9 Switch
Priority Program Type - PTY Switch	Rear Left Speaker
Rear Right Speaker	Repeat Switch
Security System Ground	Seek Down Switch
Seek Up Switch	Subwoofer Speaker
TA Switch	Tape Switch
Unconditional Module Reset	Volume Control Switch

GEM Sensors

Air Bag Fault Audible Warning	Alarm Status
Audible Tone Control	Audio Unit Remove Switch
Battery Saver Relay	Battery Voltage
Battery Voltage - Turn Signals Input	Battery Voltage General Electronic Control Module
Brake Fluid Level Switch	Central Lock Switch
Central Locking	Central Unlock Status
Central Unlock Switch	Control Module Status
Double Lock Command	Driver's Door Ajar Switch
Driver's Door Unlock Control	Driver's Safety Belt Fastened
Front Left Turn Signal Driver Output	Front Left Turn Signal Driver Short To Battery
Front Navigation Security Input	Front Right Turn Signal Driver Output
Front Right Turn Signal Driver Short To Battery	Front Windshield Wiper Control Mode
Front Windshield Wiper Control Mode Select Position And Delay Interval	Hazard Indicators
Hazard Switch	Headlamp Flash Switch
Headlamp Washer	High Beam Headlamps
High Beam Headlamps Switch	Hood Ajar
Horn	Horn Switch
Ignition Switch Run Status	Inclination Alarm Input
Inclination And Intrusion Sensor Supply	Interior Lamps
Interior Lamps Output Feedback	Intrusion Sensors
Key In Ignition Switch	Last Eight Alarm Trigger Events
Left High Beam Lamp Driver Output	Left High Beam Lamp Driver Output Short To Battery
Left Low Beam Lamp Driver Output	Left Low Beam Lamp Driver Output Short To Battery
Left Marker Lamp Driver Output	Left Marker Lamp Driver Output Short To Battery
Left Turn Signal Switch	Luggage Compartment Lid Open Switch

GEM Sensors (continued)

Luggage Compartment Lid Release Switch	Luggage Compartment Lid Unlock
Luggage Compartment Motor Output Feedback	Module Reset Counter
Number Of Permanent Diagnostic Trouble Codes	Oil Pressure Switch
Park Brake Switch	Park Selected
Passenger's Door Ajar Switch	Passenger's Front Door Window Glass Down Switch
Passenger's Front Door Window Glass Up Switch	Passenger's Mirror Position
Passenger's Power Door Window Glass Motor Peak Current	Passenger's Up Down Mirror Position
Puddle Lamps	Pulse Width Modulation Back Lighting
Rear Left Door Ajar Switch	Rear Right Door Ajar Switch
Recent Alarm Triggers - Event 1	Recent Alarm Triggers - Event 2
Recent Alarm Triggers - Event 3	Recent Alarm Triggers - Event 4
Recent Alarm Triggers - Event 5	Recent Alarm Triggers - Event 6
Recent Alarm Triggers - Event 7	Recent Alarm Triggers - Event 8
Reset Alarm Switch	Right High Beam Lamp Driver Output
Right High Beam Lamp Driver Output Short To Battery	Right Low Beam Lamp Driver Output
Right Low Beam Lamp Driver Output Short To Battery	Right Marker Lamp Driver Output
Right Marker Lamp Driver Output Short To Battery	Right Turn Signal Switch
Security Sounder	Security Sounder Output Feedback
Security System Status	Turn Signal Audible Warning
Washer Fluid Level	Washer Fluid Level Switch
Windshield Wiper Control 1	Windshield Wiper Control 2
Windshield Wiper Is In The Park Position	Windshield Wiper Relay

HCM Sensors _____

Control Module Supply Voltage	Front Axle Sensor
Global Real Time	High Speed CAN Network Management State - 2nd Latest State
High Speed CAN Network Management State - 3rd Latest State	High Speed CAN Network Management State - 4th Latest State
High Speed CAN Network Management State - 5th Latest State	High Speed CAN Network Management State - Latest State
In-Car Temperature	Levelling Target Step
Main Engine Control Module Voltage Supply	Rear Axle Sensor
Total Distance	

ICCM Sensors

Anti-theft Radio Frequency Enable And Transmit Command	Autolamp Switch Input Status
Background Illumination	Battery Voltage
Chime Control	Control Module Status
Driver's Safety Belt Fastened	Easy Entry Exit Switch
Engine Coolant Level Ok	Exterior Lamp Input Switch Status Group 1 - Fog Lamp Switch

ICCM Sensors (continued)

Exterior Lamp Input Switch Status Group 1 - Left Turn Signal Switch	Exterior Lamp Input Switch Status Group 1 - Night - Day Switch
Exterior Lamp Input Switch Status Group 1 - Rear Fog Lamp Switch	Exterior Lamp Input Switch Status Group 1 - Right Turn Signal Switch
Exterior Lamp Night Day Sensor	External Temperature
Front Fog Switch	Fuel Flow
Fuel Flow Offset	Fuel Gauge
Gear Selector Not In Park Switch	Global Real Time
Hazard Switch	Hazard Warning Indicator
Headlamp Switch	High Beam Switch Input Status
Horn Switch	Ignition Auxiliary Switch
Ignition Crank Switch	Ignition Off/unlock Switch
Ignition On Switch	In-Car Temperature
Information Mode Switch	Instrument Pack General Illumination Level
Instrument Pack Message Center Illumination Level	Key In Ignition Switch
Key Programming	Left Turn Signal Switch
Main Engine Control Module Voltage Supply	Number Of ECU Cold Resets
Number Of Permanent Diagnostic Trouble Codes	Number Of Trouble Codes Set By Diagnostic Tests
Odometer	Oil Pressure Switch
Passive Anti-theft System Number Of Ignition Key Codes Supported	Passive Anti-theft System Parameter Status - B And A Enable Value
Passive Anti-theft System Status - Master Key Present	Passive Anti-theft System Status - Powertrain Control Module Verification
Passive Anti-theft System Status - Enable Disable	Power Steering Input Current
Rear Fog Switch	Red General Warning Lamp
Reset Security	Reverse Switch - Manual
Right Turn Signal Switch	Security Indicator Lamp
Service Mode	Set All LCD Segments On
Set Security Access Mode	Speedometer
Steering Column Movement	Steering Column Telescope In
Steering Column Telescope In Stop Limit	Steering Column Telescope Out
Steering Column Telescope Out Stop Limit	Steering Column Telescope Position
Steering Column Tilt Down	Steering Column Tilt Down Stop Limit
Steering Column Tilt Down Switch	Steering Column Tilt Position
Steering Column Tilt Up	Steering Column Tilt Up Stop Limit
Steering Column Tilt Up Switch	System Battery Voltage Potential Over Voltage
System Battery Voltage Potential Under Voltage	Tachometer
Temperature Gauge Value	Transmission Select In Park Position
Trip Computer AB Switch	Trip Computer Reset Switch
Trip Computer Switch	Trip Units Switch
Vehicle Security Access	Yellow General Warning Lamp
Total Distance	

ICCMII Sensors

ABS Warning Lamp	Air Bag Chime Request
Amber Warning Lamp	Autolamp Switch Input
Automatic Stability Control Warning Light Enable	Automatic Stability Control Warning Light Flash Rate
Background Illumination	Battery Charge Warning Signal
Battery Gauge	Battery Resets
Battery Voltage	Brake Fluid Level Switch
Brake Warning Lamp	CAN Bus Off Counter
Control Module Status	Coolant Level Low Warning
Coolant Temperature Gauge	Driver's Safety Belt Fastened
Easy Entry Exit Switch	Easy Entry Exit Switch Status
Engine Coolant Level Ok	Engine Coolant Temperature
Engine Coolant Temperature Warning Lamp	Exterior Lamp Night Day Sensor
Front Fog Switch	Fuel Flow
Fuel Flow Offset	Fuel Gauge
Fuel Level 1	Fuel Level 2
Fuel Level Gauge	Fuel Level Low Warning Lamp
Fuel Level Signal	Gear Selector Not In Park Switch
Hazard Switch	Headlamp Switch
Heated Screen Request	High Beam Input
High Beam Warning Lamp	Horn Switch
Ignition Crank Switch	Ignition Off-Unlock Switch - S-Type Only
Ignition Off-Unlock Switch	Imperial US Gallons
Information Mode Switch	Instrument Pack General Illumination Level
Instrument Pack Message Center Illumination Level	Instrument Pack Temperature
Key In Ignition Switch	Key Programming
Left Turn Signal	Left Turn Signal Switch
Low Beam Switch	Magnetic Clutch Request
Malfunction Indicator Lamp	Message Center Day Light Override
Message Center Illumination	Number Of ECU Cold Resets
Number Of Intermittent ABS CAN Messages	Number Of Intermittent Engine Control Module CAN Messages
Number Of Intermittent RCC CAN Messages	Number Of Intermittent Transmission Control Module CAN Messages
Number Of Permanent Diagnostic Trouble Codes	Number Of Trouble Codes Set By Diagnostic Tests
Odometer	Odometer Calibration
Oil Pressure Gauge	Oil Pressure Low Warning Lamp
Oil Pressure Low Warning Lamp - X-Type Only	Oil Pressure Signal
Oil Pressure Switch	Parking Brake Switch
Passive Anti-theft System Number Of Ignition Key Codes Supported	Passive Anti-theft System Parameter Status - B And A Enable Value
Passive Anti-theft System Status - Master Key Present	Passive Anti-theft System Status - Powertrain Control Module Verification
Passive Anti-theft System Status	Port A IO - General Illumination In

ICCMII Sensors (continued)

Port A IO - Power Control	Power Steering Input Current
Rear Fog Switch	Red Warning Lamp
Reverse Switch - Automatic	Reverse Switch - Manual
Right Turn Signal	Right Turn Signal Switch
Run Detect	Safety Belt Warning Lamp
SCP Input - Adaptive Damping Fail	SCP Input - Trip Computer AB Switch
SCP Input - Trip Computer Message Switch	SCP Input - Trip Computer Units Switch
SCP Input - Trip Computer Reset Cycle Switch	SCP Input - Trip Computer Reset Switch
Service Mode	Set Security Access Mode
Side Lamps Switch	Speedometer
Speedometer Calibration Factor - Denominator	Speedometer Calibration Factor - Numerator
Steering Column Telescope In	Steering Column Telescope In Stop Limit
Steering Column Telescope Out	Steering Column Telescope Out Stop Limit
Steering Column Telescope Position	Steering Column Tilt Down Stop Limit
Steering Column Tilt Down Switch	Steering Column Tilt Position
Steering Column Tilt Up Stop Limit	Steering Column Tilt Up Switch
System Battery Voltage Potential Over Voltage	System Battery Voltage Potential Under Voltage
Tachometer	Temperature Gauge Value
Transit Mode	Transmission Select In Park Position
Trip Computer AB Switch	Trip Computer Reset Switch
Trip Computer Switch	Trip Units Switch
Vehicle Security Access	Vehicle Speed
Washer Fluid Low Switch	

ICE Sensors

AM Switch	Audio Steering Switch Circuit
Audio System IO State	Auto Set Switch
Balance Switch	Bass Switch
CD Switch	Cellular Telephone Transceiver Active
Column Band Music Switch	Column Seek - Switch
Column Seek + Switch	Column Telephone Voice Switch
Column Volume - Switch	Column Volume + Switch
Digital Signal Processing Switch	Eject Switch
Fade Switch	FM Switch
Menu Switch	Navigation System Output State
News Switch	Number Of Permanent Diagnostic Trouble Codes
Power Switch	Preset 1 Switch
Preset 2 Switch	Preset 3 Switch
Preset 4 Switch	Preset 5 Switch
Preset 6 Switch	Priority Program Type - PTY Switch
Reverse Park Control Active	Seek Decrease Switch
Seek Increase Switch	TA Switch
Tape Switch	Telephone Switch

ICE Sensors (continued)	
Treble Switch	Volume Decrease Switch
Volume Increase Switch	

IPK Sensors

Air Bag Chime Request	Autolamp Switch Input
Background Illumination Switch Input	Driver's Safety Belt Fastened
Exterior Lamp Night Day Switch	Fog Lamp Switch
Hazard Switch	Headlamp Switch
High Beam Input	Horn Switch
Ignition Auxiliary Switch	Ignition Crank Switch
Ignition Off Unlock Switch	Ignition On Switch
Key In Ignition Switch	Left Directional Indicator Switch
Number Of Permanent Diagnostic Trouble Codes	Passive Anti-theft System Powertrain Control Module ID Status
Passive Anti-theft System - Anti-scan Function	Passive Anti-theft System Number Of Ignition Key Codes Supported
Passive Anti-theft System Parameter	Passive Anti-theft System Parameter Status - Coded Security/timed Security Access
Passive Anti-theft System Parameter Status - Service Module	Passive Anti-theft System Parameter Status - Time Delay For Security Access
Passive Anti-theft System Status - Master Key Present	Passive Anti-theft System Status - Powertrain Control Module Verification
Passive Anti-theft System Status - Enable Disable	Right Turn Signal Switch
Steering Column Telescope In Switch	Steering Column Telescope Out Switch
Steering Column Telescope Position Sensor	Steering Column Tilt Down Switch
Steering Column Tilt Position Sensor	Steering Column Tilt Up Switch
System Battery Voltage Potential Over Voltage	System Battery Voltage Potential Under Voltage
Virtual Image Cluster Easy Entry Exit Switch	

ISM Sensors

Control Module Status	Number Of Permanent Diagnostic Trouble Codes
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MCCM Sensors

Message Clear Switch	Number Of Permanent Diagnostic Trouble Codes
Odometer Value	Trip AB Switch
Trip Computer Reset Switch	Trip Cycle Switch
Trip Metric Imperial Switch	

NAV Sensors

Cellular Telephone Transceiver Input State	Control Module Status
D2b Wake-up Status	Heated Front Screen
Lighting Control Input	Number Of Permanent Diagnostic Trouble Codes
Television Fitted	TrafficMaster System
Vehicle Information Control System Fitted	Voice Recognition System Fitted

PAM Sensors

Control Module Status	Front Left Inner Sensor - Detection Flags
Front Left Inner Sensor - Distance Measured	Front Left Outer Sensor - Detection Flags
Front Left Outer Sensor - Distance Measured	Front Parking Aid System Disable Switch
Front Right Inner Sensor - Detection Flags	Front Right Inner Sensor - Distance Measured
Front Right Outer Sensor - Detection Flags	Front Right Outer Sensor - Distance Measured
Front Sensors Status	Front Sounder On
Front Sounder Status	LED Off
LED On	Mute Status
Number Of Permanent Diagnostic Trouble Codes	Number Of Trouble Codes Set By Diagnostic Tests
Parking Aid Activation Speed Threshold	Parking Aid De-activation Speed Threshold
Parking Aid System Activation	Parking Aid System De-activation
Rear Left Inner Sensor - Detection Flags	Rear Left Inner Sensor - Distance Measured
Rear Left Outer Sensor - Detection Flags	Rear Left Outer Sensor - Distance Measured
Rear Right Inner Sensor - Detection Flags	Rear Right Inner Sensor - Distance Measured
Rear Right Outer Sensor - Detection Flags	Rear Right Outer Sensor - Distance Measured
Rear Sensors Status	Rear Sounder On
Rear Sounder Status	Sounders Off
System LED	System Status
Trailer Attached	Transmission In Reverse
Vehicle Speed	

PBM Sensors

Countback Pulse Counter	EPB Failure Management Mode 1 - Internal Communications Fault
EPB Failure Management Mode 10 - Power Connection Fault	EPB Failure Management Mode 11 - Parking Brake Switch Fault
EPB Failure Management Mode 12 - Ignition Default Mode	EPB Failure Management Mode 13 - Actuator Over Under Travel Fault
EPB Failure Management Mode 14 - Key-in Status Fault	EPB Failure Management Mode 14 - VID Block Configuration Failure
EPB Failure Management Mode 15 - Brake Pedal Switch Fault	EPB Failure Management Mode 16 - In-Gear Switch Fault
EPB Failure Management Mode 17 - Engine Speed Fault	EPB Failure Management Mode 18 - Throttle Pedal Fault
EPB Failure Management Mode 19 - Inclination Fault	EPB Failure Management Mode 2 - Configuration Initialization Fault
EPB Failure Management Mode 20 - Gear Selection Fault - Automatic Transmission	EPB Failure Management Mode 21 - Clutch Position Fault
EPB Failure Management Mode 22 - Crank Status Fault	EPB Failure Management Mode 3 - Motor Moving Open Circuit
EPB Failure Management Mode 4 - Motor Drive Circuit Fault	EPB Failure Management Mode 5 - Mechanical Fault Preventing Complete Release
EPB Failure Management Mode 6 - Calibration Apply Overtravel Fault	EPB Failure Management Mode 7 - Actuator Position Fault
EPB Failure Management Mode 8 - Vehicle Speed Fault	EPB Failure Management Mode 9 - Complete Can Bus Failure

PBM Sensors (continued)

EPB System Status - Brake Switch Active	EPB System Status - Default High Speed Dynamic Mode
EPB System Status - Dynamically Applied	EPB System Status - Fully Applied
EPB System Status - Fully Released	EPB System Status - Hall Signal Active
EPB System Status - High Current Battery Sense Present	EPB System Status - High Current Ground Sense Present
EPB System Status - High Speed Dynamic Mode	EPB System Status - Ignition Voltage Present
EPB System Status - Initial Power Up Manual Apply Has Not Been Performed	EPB System Status - Low Speed Dynamic Mode
EPB System Status - Motor Applying	EPB System Status - Motor Releasing
EPB System Status - Partially Applied	EPB System Status - Primary Apply Switch Active
EPB System Status - Primary Key Switch Active	EPB System Status - Primary Release Switch Active
EPB System Status - Secondary Apply Switch Active	EPB System Status - Secondary Release Switch Active
EPB System Status - Static Mode	Engine Status - Engine Running
External Temperature	Global Real Time
In-Car Temperature	In-Gear Voltage
Logic Battery Voltage	Main Engine Control Module Voltage Supply
Motor Current	Motor Sense Voltage
Primary Apply Switch Voltage Data	Primary Release Switch Voltage Data
Secondary Apply Switch Voltage Data	Secondary Release Switch Voltage Data
Total Distance	

PCM Sensors

Absolute Load Value	Absolute Throttle Position B
Accelerator Pedal Position - All Full	Accelerator Pedal Position D
Accelerator Pedal Position E	Accelerator Pedal Position Sensor 1
Accelerator Pedal Position Sensor 2	Actual Inlet Variable Valve Timing Position - Bank 1
Actual Inlet Variable Valve Timing Position - Bank 2	Air Box Flap
Air Conditioning High Pressure Sensor Voltage	Air Conditioning Load Compensation
Air Conditioning Pressure	Air Flow Meter Sensor Voltage
Ambient Temperature	Atmospheric Pressure Sensor Voltage
Barometric Pressure	Battery Voltage
Boost Air Temperature	Boost Pressure Adjustment - Bank 0
Boost Pressure Adjustment - Bank 1	Brake Switch 1 - Central Processor Unit 1
Brake Switch 2 - Central Processor Unit 1	Calculated Load Value
Charge Air Cooler Outlet Air Temperature	Commanded Equivalence Ratio
Commanded Evaporative Purge	Commanded Exhaust Gas Recirculation
Commanded Throttle Actuator Control	Completion Status Of Non-Continuous Monitors This Monitoring Cycle:
Control Module Status	Control Module Temperature
Control Module Temperature Sensor Voltage	Control Module Voltage
Coolant Temperature	Cooling Fan Speed
Crank Request Input - Central Processor Unit 1	Cylinder MisFire Counter 1
Cylinder MisFire Counter 2	Cylinder MisFire Counter 3

PCM Sensors (continued)

Cylinder MisFire Counter 4	Cylinder MisFire Counter 5
Cylinder MisFire Counter 6	Cylinder MisFire Counter 7
Cylinder MisFire Counter 8	Cylinder Balancing Offset - Injector 1
Cylinder Balancing Offset - Injector 2	Cylinder Balancing Offset - Injector 3
Cylinder Balancing Offset - Injector 4	Cylinder Balancing Offset - Injector 5
Cylinder Balancing Offset - Injector 6	Diagnostics Module Tank Leakage
Diagnostics Module Tank Leakage Pump Current	Diagnostics Module Tank Leakage Reference Current
Diagnostics Module Tank Leakage Test Time Reference	Difference Between Exhaust Gas Recirculation Setpoint And Actual
Difference Between Manifold Absolute Pressure Setpoint And Actual	Distance Since Diagnostic Trouble Codes Cleared
Distance Travelled While Malfunction Indicator Activated	Driver Requested Torque
Duty Cycle Of The Battery Controller Setpoint	ECU Configuration Status
ECU Secure Flag - ECU Identity Transferred Flag	Electronic Fuel Pump
Enable Status Of Non-Continuous Monitors This Monitoring Cycle:	Engine Coolant Temperature
Engine Coolant Temperature Sensor Voltage	Engine Input 1 - Gap-Down Switch Pressed
Engine Input 1 - Gap-Up Switch Pressed	Engine Input 1 - Idle Jack Active - Battery Charge Request
Engine Input 1 - Idle Jack Active - Catalyst Heat Request	Engine Input 1 - Idle Jack Active - Cooling Request
Engine Input 1 - Idle Jack Active - Heating Ventilation And Air Conditioning	Engine Input 1 - Idle Speed Control Active
Engine Input 1 - Release Switch Pressed	Engine Input 1 - Resume Switch Pressed
Engine Input 1 - Set-Minus Switch Pressed	Engine Input 1 - Set-Plus Switch Pressed
Engine Input 1 - Suspend Switch Pressed	Engine Input 2 - E-Box Fan Monitor
Engine Input 2 - Transfer Box Range - Actual	Engine Input 3 - Brake Switch
Engine Input 3 - Default Terrain	Engine Input 3 - Failsafe Default Terrain
Engine Input 3 - Grass/Gravel/Snow Terrain	Engine Input 3 - Ignition Switch
Engine Input 3 - Mud And Ruts Terrain	Engine Input 3 - Rock Crawl Terrain
Engine Input 3 - Sand Terrain	Engine Off Time Counter
Engine Oil Temperature	Engine Oil Temperature Sensor Voltage
Engine Output 1 - Brake Booster Relay	Engine Output 1 - Diagnostics Module - Tank Leakage - Changeover Valve Active
Engine Output 1 - Diagnostics Module - Tank Leakage - Heater Active	Engine Output 1 - Diagnostics Module - Tank Leakage - Pump Active
Engine Output 1 - Diagnostics Module - Tank Leakage - Test Complete	Engine Output 1 - E-Box Fan
Engine Output 1 - Engine Management System Relay	Engine Output 1 - Engine Management System Warning Lamp
Engine Output 1 - Fuel Cut-Off Active	Engine Output 1 - Fuel Pump Relay
Engine Output 1 - Malfunction Indicator Warning Lamp	Engine Output 1 - Speed Control Lamp
Engine Output 1 - Starter Relay	Engine Output 2 - Catalyst Warm-Up Complete
Engine Output 2 - Closed Loop Control Active - Bank 1	Engine Output 2 - Closed Loop Control Active - Bank 2

PCM Sensors (continued)

Engine Output 2 - Heated Exhaust Gas Oxygen Active - Bank 1	Engine Output 2 - Heated Exhaust Gas Oxygen Active - Bank 2
Engine Output 2 - Heated Exhaust Gas Oxygen Heater Active - Bank 1	Engine Output 2 - Heated Exhaust Gas Oxygen Heater Active - Bank 2
Engine Output 2 - Igniter 1a	Engine Output 2 - Igniter 1b
Engine Output 2 - Igniter 2a	Engine Output 2 - Igniter 2b
Engine Output 2 - Igniter 3a	Engine Output 2 - Igniter 3b
Engine Output 2 - Igniter 4a	Engine Output 2 - Igniter 4b
Engine Output 2 - Injector 1a	Engine Output 2 - Injector 1b
Engine Output 2 - Injector 2a	Engine Output 2 - Injector 2b
Engine Output 2 - Injector 3a	Engine Output 2 - Injector 3b
Engine Output 2 - Injector 4a	Engine Output 2 - Injector 4b
Engine Output 2 - Kick Down	Engine Output 2 - Purge Active
Engine Output 2 - Universal Heated Exhaust Gas Oxygen Active - Bank 1	Engine Output 2 - Universal Heated Exhaust Gas Oxygen Active - Bank 2
Engine Speed	Engine Status - Engine In Crank
Engine Status - Engine Running	Equivalence Ratio - Lambda - Bank 1 - Sensor 1 - Wide Range Oxygen Sensor
Equivalence Ratio - Lambda - Bank 2 - Sensor 1 - Wide Range Oxygen Sensor	Exhaust Gas Recirculation Error
Exhaust Gas Recirculation Stepper Position	Exhaust Gas Recirculation Target Position
Exhaust Gas Recirculation Throttle Command	Exhaust Gas Recirculation Throttle Position
Exhaust Gas Recirculation Valve	Exhaust Gas Recirculation Valve 0 Command
Exhaust Gas Recirculation Valve 0 Controller Deviation	Exhaust Gas Recirculation Valve 1 Command
Exhaust Gas Recirculation Valve 1 Controller Deviation	Exhaust Gas Recirculation Valve Position - Bank 0
Exhaust Gas Recirculation Valve Position - Bank 1	Exhaust Gas Recirculation Valve Setpoint
External Temperature	Fuel Level Input
Fuel Level Percentage	Fuel Level Raw Value 1
Fuel Level Raw Value 2	Fuel Pressure
Fuel Rail Pressure	Fuel Rail Pressure Sensor Voltage
Fuel Rail Temperature	Fuel Rail Temperature Before Fmem Substitution
Fuel Rail Temperature Sensor Voltage	Fuel System Status For Bank 1
Fuel System Status For Bank 2	Gear Information
Generator Feedback	Generator Regulator Control
Generator Voltage Setpoint	Global Real Time
Heated Exhaust Gas Oxygen Heater Post Catalyst - Bank 1	Heated Exhaust Gas Oxygen Heater Post Catalyst - Bank 2
High Speed Can Network Management State - 2nd Latest State	High Speed Can Network Management State - 3rd Latest State
High Speed Can Network Management State - 4th Latest State	High Speed Can Network Management State - 5th Latest State
High Speed Can Network Management State - Latest State	Idle Speed Setpoint
Ignition Switch Input - Central Processor Unit 1	Ignition Timing Advance For Cylinder 1
Injector Pulse Width 1	Injector Pulse Width 2

PCM Sensors (continued)

Injector Pulse Width 3	Injector Pulse Width 4
Injector Pulse Width 5	Injector Pulse Width 6
Injector Pulse Width 7	Injector Pulse Width 8
Indicated Engine Torque Setpoint	IO Status - Brake Switch 1
IO Status - Fuel Lift Pump	IO Status - Fuel Lift Pump Power Monitor
IO Status - Glow Relay	IO Status - Key On Crank Position
IO Status - Starter Enable - Disable	IO Status - Water In Fuel Sensor
Intake Air Temperature	Intake Air Temperature Sensor Voltage
Intake Variable Camshaft Timing - Bank 2	Intake Variable Camshaft Timing - Bank 1
Internal Electronic Control Unit Temperature	Internal Module Operating Voltage 1
Internal Module Operating Voltage 2	Lambda - Bank 1
Lambda - Bank 2	Location Of Oxygen Sensors
Long Term Fuel Trim - Bank 1	Long Term Fuel Trim - Bank 2
Knock Sensor Total Retard 1	Knock Sensor Total Retard 2
Knock Sensor Total Retard 3	Knock Sensor Total Retard 4
Knock Sensor Total Retard 5	Knock Sensor Total Retard 6
Knock Sensor Total Retard 7	Knock Sensor Total Retard 8
Main Engine Control Module Voltage Supply	Manifold Absolute Pressure Sensor
Manifold Absolute Pressure Sensor Voltage	Manifold Absolute Pressure Setpoint
Manifold Air Pressure	Mass Air Flow
Mass Air Flow Sensor 2	Mass Air Flow Sensor A Signal Frequency
Mass Air Flow Sensor B Signal Frequency	Monitor Status Since Diagnostic Trouble Codes Cleared - 1 Trip
Number Of Trouble Codes Set Due To Diagnostic Test	Number Of Warm-Ups Since Last Diagnostic Trouble Code Was Clear
Oxygen Sensor Current - Bank 1 - Sensor 1 - High Resolution	Oxygen Sensor Current - Bank 1 - Sensor 1 - Low Resolution
Oxygen Sensor Current - Bank 2 - Sensor 1 - High Resolution	Oxygen Sensor Current - Bank 2 - Sensor 1 - Low Resolution
Oxygen Sensor Output Voltage - Bank 1 - Sensor 2	Oxygen Sensor Output Voltage - Bank 2 - Sensor 2
Oil Level	Oil Quality - Oil Temperature Level Quality Sensor
Park Neutral Or Clutch Switch - Central Processor Unit 1	Pedal Position Sensor 1
Pedal Position Sensor 1 - Voltage	Pedal Position Sensor 2
Pedal Position Sensor 2 - Voltage	Pressure Control Valve
Previous Run Time	Purge Valve
Relative Throttle Position	Requested Fuel Mass - Volume
Required Break Torque	Sensor Power Supply Monitor
Short Term Fuel Trim - Bank 1	Short Term Fuel Trim - Bank 2
Short Term Fuel Trim Sensor 2 - Bank 1	Short Term Fuel Trim Sensor 2 - Bank 2
Speed Control Input	Speed Control Set Speed - Normal Cruise And Distance Cruise
Speed Control Switch Input Ladder Voltage	Starter Motor Relay Monitor Status
Swirl Valve Actuator	Supplementary Engine Coolant Temperature
Target Idle Speed	Target Ignition Angle

PCM Sensors (continued)

Target Intake Air Flow	Throttle Pedal Angle
Throttle Position	Throttle Position Sensor
Throttle Position Sensor - Track 1	Throttle Position Sensor - Track 2
Time Since Start	Time Since The Engine Started
Torque From Torque Monitor	Torque Loss Calculation
Torque Request After Load Transient Corrections	Total Distance
Trouble Code - Fault That Caused Required Freeze Frame Data Storage	Universal Heated Exhaust Gas Oxygen Heater Post-Catalytic - Bank 1
Universal Heated Exhaust Gas Oxygen Heater Post-Catalytic - Bank 2	Universal Heated Exhaust Gas Oxygen Heater Pre-Catalytic - Bank 1
Universal Heated Exhaust Gas Oxygen Heater Pre-Catalytic - Bank 2	Variable Valve Timing Bank 1 Output Duty Ratio
Variable Valve Timing Bank 2 Output Duty Ratio	Variable Viscous Fan Duty Cycle
Vehicle Speed	Viscous Cooling Fan Pulse Width Modulation Control
Viscous Fan Control Duty Cycle	Viscous Fan Speed
Viscous Fan Speed Sensor	Voltage Ignition Key On
Voltage Output From DC/DC Converter	Volume Control Valve

PCMI Sensors

Absolute Throttle Position	AC Clutch Relay Monitor Status
Adaptive Speed Control Distance Decrease	Adaptive Speed Control Distance Increase
Air Assistance Monitor	Air Assistance Valve
Air Conditioning Clutch Relay	Air Conditioning Clutch Request
Air Conditioning High Pressure Switch	Air Conditioning Low Pressure Switch
Air Conditioning Relay	Air Conditioning System Pressure
Air Filter Solenoid Flap	Barometric Pressure Sensor
Battery Monitor - S-Type Only	Battery Positive - Central Processor Unit 1
Brake Switch	Brake Switch 1 - Central Processor Unit 1
Brake Switch 2 - Central Processor Unit 1	Calculated Load Value
Camshaft Signal Monitor Bank 1 - Central Processor Unit 1	Camshaft Signal Monitor Bank 2 - Central Processor Unit 1
CAN Bus Off Counter	Canister Close Valve - Vapor Recovery System
Canister Close Valve - Vapor Recovery System - XJ	Canister Close Valve - Vapor Recovery System
Canister Close Valve Monitor - Vapor Recovery System - XJ	Canister Close Valve Monitor - Vapor Recovery System
Control Module Status	Crank Request
Crank Request Input - Central Processor Unit 1	DC Motor Power Monitor
DC Motor Power Monitor Status	DC Motor Relay
DC Motor Relay Monitor	Engine Bay Control Module Fan Monitor
Engine Bay Control Module Fan Relay	Engine Coolant Temperature
Engine Management System Control Relay	Engine Management System Main Relay
Engine Oil Temperature	Engine Speed
Evaporative Emission System Monitor	Evaporative Purge Valve
Evaporative Valve Monitor	Exhaust Gas Recirculation Target Position

PCMII Sensors (continued)

Exhaust Gas Temperature - Bank 1	Exhaust Gas Temperature - Bank 2
Fast Cooling Fan Relay - X100 Only	Fast Cooling Fan Relay - X300 Only
Fast Speed Cooling Fan	Fuel Pump 1 Relay - XK and XJ Only
Fuel Pump 1 Relay Monitor	Fuel Pump Relay
Fuel Rail Temperature Sensor	Fuel Pressure
Fuel Tank Pressure - Vapor Recovery System	Generator Field Resistor Duty Cycle
Generator Input	Generator Lamp
Heated Oxygen Sensor Bank 1 Downstream	Heated Oxygen Sensor Bank 2 Downstream
Heated Screen Request	Idle Speed Control Valve
Idle Speed Control Valve Duty Cycle	Ignition Switch
Ignition Switch Input - Central Processor Unit 2	Ignition Timing Advance For Cylinder 1
Inertia Switch	Injector 1 Bank 1
Injector 1 Bank 2	Injector 2 Bank 1
Injector 2 Bank 2	Injector 3 Bank 1
Injector 3 Bank 2	Injector 4 Bank 1
Injector 4 Bank 2	Intake Air Temperature
Intercooler Water Pump Relay - Supercharged Vehicles	Intercooler Water Pump Relay Monitor - Supercharged Vehicles
Intermittent Fault Counter For ABS	Intermittent Fault Counter For Instrument Cluster
Intermittent Fault Counter For The Remote Climate Control	Load Inhibit
Long Term Fuel Trim - Bank 1	Long Term Fuel Trim - Bank 2
Manifold Absolute Pressure Sensor	Mass Air Flow
Mass Air Flow Meter	Mass Air Flow Meter Ground
Modulated Fuel Pump Control - Duty Cycle	Number Of Intermittent ABS CAN Messages
Number Of Intermittent Instrument Cluster CAN Messages	Number Of Intermittent Transmission Control Module CAN Messages
Number Of Permanent Diagnostic Trouble Codes	Number Of This Trip Diagnostic Trouble Codes
Oxygen Sensor Current - Bank 1 Sensor 1 - High Resolution	Oxygen Sensor Current - Bank 2 Sensor 1 - High Resolution
Oxygen Sensor Heater Deterioration Monitor Downstream Bank 2	Oxygen Sensor Heater Downstream Bank 1
Oxygen Sensor Heater Downstream Bank 2	Oxygen Sensor Heater Open Short Circuit Monitor Downstream Bank 2
Oxygen Sensor Output Voltage - Bank 1 Downstream	Oxygen Sensor Output Voltage - Bank 2 Downstream
Park Neutral Or Clutch Switch - Central Processor Unit 1	Park Neutral Position Switch
Parking Brake Switch	Pedal Position Sensor 1
Pedal Demand Position Sensor 1 Voltage - Central Processor Unit 1	Pedal Demand Position Sensor 2 Voltage - Central Processor Unit 1
Programming Configuration Control - Central Processor Unit 1	Purge Vapor Management Valve - Duty Cycle
Second Fuel Pump Monitor - Supercharged Vehicles	Second Fuel Pump Relay - Supercharged Vehicles
Second Intake Air Temperature - Supercharged Vehicles	Security Acknowledge
Security Received Data Byte 1	Security Received Data Byte 2
Sensor Power Supply Monitor	Short Term Fuel Trim - Bank 1

PCMII Sensors (continued)

Short Term Fuel Trim - Bank 2	Slow Cooling Fan Relay - X100 Only
Slow Cooling Fan Relay - X300 Only	Slow Speed Cooling Fan
Speed Control Cancel Clutch Switch Input Status - Central Processor Unit1	Speed Control Cancel Switch
Speed Control On Lamp	Speed Control On Off Switch
Speed Control Resume Switch	Speed Control Set Accelerate Switch
Speed Control Switches	Speed Control Switches Supply Voltage
Speed Status 1	Speed Status 2
Starter Motor Relay	Target Throttle Position
Throttle Motor Current	Throttle Motor Relay
Throttle Position Sensor	Throttle Position Sensor - Track 1
Throttle Position Sensor - Track 1 - Central Processor Unit 1	Throttle Position Sensor - Track 2 - Central Processor Unit 1
Vacuum Switching Valve Atmospheric Monitor	Vacuum Switching Valve Vacuum Monitor
Variable Camshaft Timing Bank 2 Duty Cycle	Variable Camshaft Timing Duty Cycle
Variable Camshaft Timing Position 1	Variable Camshaft Timing Position 2
Variable Speed Fan	Variable Speed Fan Duty Cycle
Variable Valve Timing - Bank 1 Output Duty Ratio	Variable Valve Timing - Bank 2 Output Duty Ratio
Variable Valve Timing - Bank 1 Monitor	Variable Valve Timing - Bank 2 Monitor
VIS-1 Output Duty Ratio	VIS-2 Output Duty Ratio

PCMISO Sensors

Adaptive Air Mass Flow Rate Term	Adaptive Fuel Mass Flow Rate Term
Adaptive Offset	Air Conditioning Clutch
Air Conditioning Request	Air Thermistor Voltage
Air Valve Output	Airpump Relay Output
Battery Voltage	Calculated Load Value
Climate Control Request	Closed Throttle Position Tms
Crank Signal	Drive Neutral
Engine Coolant Temperature	Engine Speed
Engine Torque Reduction	Exhaust Gas Recirculation Position
Exhaust Gas Recirculation Thermistor Voltage	Fuel Level
Heated Oxygen Sensor A Downstream	Heated Oxygen Sensor A Upstream
Heated Oxygen Sensor B Downstream	Heated Oxygen Sensor B Upstream
Idle Reference Speed	Idle Speed Control Valve - Bank 1
Idle Speed Control Valve - Bank 2	Idle Switch
Ignition Switch Sense	Injector Pulse Time
Intake Air Temperature	Load Inhibit
Malfunction Indicator Lamp	Manifold Absolute Pressure Sensor
Number Of Diagnostic Trouble Codes Logged	Oxygen Heater - Bank 1 Upstream
Oxygen Heater - Bank 2 Downstream	Oxygen Heater - Bank 2 Upstream
Power Steering Switch	Purge Valve - Bank 1
Purge Valve - Bank 2	Road Speed
Screen Request	Stepper Position

PCMISO Sensors (continued)	
Target Dwell Time	Throttle Position
Transmission Ignition Retard Pulse Width Modulation	Vehicle Speed
Water Thermistor Voltage	

PCMPTEC Sensors

Acceleration Pedal Position Sensor 1	Acceleration Pedal Position Sensor 2
Acceleration Pedal Position Sensor 3	Actual Position Of Right Camshaft - VCTERR
Actual Position Of Right Camshaft - VCTA	Actual Throttle Angle
Actual Value Of Slip Across The Torque Converter	Air Assist Injection
Air Charge Load Normalized To Sea Level	Air Conditioning Clutch Relay
Air Conditioning Clutch Request	Barometric Pressure Sensor
Battery Electrolyte Temperature	Battery Monitor
Brake Pedal Applied	Brake Switch 1
Brake Switch 2	Camshaft Variation From Desired Position
Canister Close Valve Duty Cycle	Clutch Pedal Position
Current Transmission Gear Ratio	Cylinder Head Temperature Input
Cylinder Head Temperature Input - Volts	Desired Value Of Slip - Torque Converter
Electric Coolant Heater Relay 1	Electric Coolant Heater Relay 2
Electronic Pressure Control Solenoid 1	Electronic Pressure Control Solenoid 2
Electronic Pressure Control Solenoid 3	Electronic Throttle Control
Engine Coolant Temperature - 2	Engine Oil Temperature
Engine Oil Temperature - Actual	Engine Speed
Fuel Level Signal	Fuel Offset for Injector A
Fuel Offset for Injector B	Fuel Offset for Injector C
Fuel Offset for Injector D	Fuel Rail Pressure Before Failure Mode Effects Management
Fuel Rail Pressure	Fuel Rail Temperature
Fuel Rail Pressure Transducer - Raw	Fuel Rail Temperature Sensor - Raw
Fuel Tank Pressure - Vapor Recovery System	Generator Lamp
Glow Plug Control	High-Speed Electrically Driven Fan
Heated Oxygen Sensor 1 Bank 1 - Heater On	Heated Oxygen Sensor 1 Bank 1 Heater Current Monitor
Heated Oxygen Sensor 1 Bank 1 Voltage - Before Correcting For Characteristic Shift Download	Heated Oxygen Sensor 1 Bank 2 - Heater On
Heated Oxygen Sensor 1 Bank 2 Heater Current Monitor	Heated Oxygen Sensor 1 Bank 2 Voltage - Before Correcting For Characteristic Shift Download
Heated Oxygen Sensor 2 Bank 1 - Heater On	Heated Oxygen Sensor 2 Bank 1 Heater Current Monitor
Heated Oxygen Sensor 2 Bank 1 Voltage - Before Correcting For Characteristic Shift Download	Heated Oxygen Sensor 2 Bank 2 - Heater On
Heated Oxygen Sensor 2 Bank 2 Heater Current Monitor	Heated Oxygen Sensor 2 Bank 2 Voltage - Before Correcting For Characteristic Shift Download
Heated Oxygen Sensor Bank 1 Downstream	Heated Oxygen Sensor Bank 1 Upstream
Heated Oxygen Sensor Bank 2 Downstream	Heated Oxygen Sensor Bank 2 Upstream
Idle Speed Control	In Gear

PCMPTEC Sensors (continued)

Injector 1 Bank 1	Injector 1 Bank 2
Injector 2 Bank 1	Injector 2 Bank 2
Injector 3 Bank 1	Injector 3 Bank 2
Injector 4 Bank 1	Injector 4 Bank 2
Intake Air Temperature	Intake Air Temperature - Volts
Intake Air Temperature - 1	Intake Manifold Communications Control - Duty Cycle
Intermediate Shaft Speed Sensor	Malfunction Indicator Lamp
Mass Air Flow	Misfire Detection
Modulated Fuel Pump Control - Duty Cycle	Manifold Absolute Pressure
Manifold Absolute Pressure Sensor	Mass Fuel Desired
Number of Completed OBDII Drive Cycles	Number of Completed OBDII Trips
Number of Continuous Trouble Codes Set	OBD-II Drive Cycle Complete
Output Shaft Speed Sensor	PATS: # of Ignition Key Codes Stored
PATS: Anti-Scan Function	PATS: Master Key Present
PATS: Minimum # Of Keys Required	PATS: Security Access
PATS: Service Module	PATS: Spare Key Programming
PATS: Vehicle Enable Status	Power Steering - Load Present
Purge Vapor Management Valve - Duty Cycle	Purge Vapor Management Valve Output State Monitor
Rear Bias Trim Bank 1	Rear Bias Trim Bank 2
Reverse Switch	Secondary Air Injection
Shift Solenoid 1	Shift Solenoid 2
Shift Solenoid 3	Shift Solenoid 4
Shift Solenoids - Commanded Gear	Spark Advance
Speed Control Cancel Switch	Speed Control Circuit - Open Circuit Detected
Speed Control Coast Set Minus Switch	Speed Control Null State
Speed Control Off Switch	Speed Control On Switch
Speed Control On Warning Lamp	Speed Control Resume Switch
Speed Control Set Acceleration Switch	Throttle Position Sensor
Throttle Position Sensor - Track 1	Throttle Position Sensor - Track 2
Throttle Position Sensor - Track 3	Time Since Engine Start
Torque Converter Clutch Solenoid - Duty Cycle	Transmission Control Switch
Transmission Fault Lamp - Output Fault Indicated	Transmission Gear Ratio
Transmission Input Speed	Transmission Oil Temperature
Transmission Oil Temperature Before Failure Mode Effects Management Substitution	Transmission Output Speed
Transmission Over Temperature Lock Up Mode	Transmission Range Sensor 1
Transmission Range Sensor 2	Transmission Range Sensor 3
Transmission Range Sensor 4	Turbine Shaft Speed Sensor
Variable Camshaft Timing Bank 2 Duty Cycle	Variable Camshaft Timing Duty Cycle
Variable Camshaft Timing Position 2	Variable Geometry Turbocharger
Variable Speed Fan	Variable Speed Fan Duty Cycle
Vehicle Security Access Status	Vehicle Speed

PDM Sensors

Battery Voltage Passenger's Door Module	Driver's Door Module Module PCB Temperature
Passenger's Door Ajar Switch	Passenger's Door Guard Lamp Digital Feedback
Passenger's Door Guard Lamp Output	Passenger's Door Superlock Drive Output
Passenger's Door Unlock Drive Output	Passenger's Door Window Glass Down Output
Passenger's Door Window Glass Down Switch	Passenger's Door Window Glass Up Output
Passenger's Door Window Glass Up Switch	Passenger's Door Window Glass Up Down Current Feedback
Passenger's Exterior Door Handle Switch	Passenger's Exterior Rear View Mirror Drive Down Output
Passenger's Exterior Rear View Mirror Drive Left Output	Passenger's Exterior Rear View Mirror Drive Right Output
Passenger's Exterior Rear View Mirror Drive Up Output	Passenger's Exterior Rear View Mirror Feedback Potentiometer And Movement Power Control
Passenger's Exterior Rear View Mirror Left Right Position Feedback Potentiometer	Passenger's Exterior Rear View Mirror Output Fault Digital Feedback
Passenger's Exterior Rear View Mirror Up Down Position Feedback Potentiometer	Passenger's Key Barrel Lock
Passenger's Key Barrel Unlock	Passenger's Operated Passenger Door Window Glass Down Switch
Passenger's Operated Passenger Door Window Glass Up Switch	Sensor Reference Voltage
VPWR Fault Feedback Passenger's Door Module	

PHM Sensors

Current Head Restraint Position	Head Restraint Down Switch Input Status
Head Restraint Up Switch Input Status	Latch Switch Input Status
Maximum Supply Voltage To Switch Head Restraint Motor Off	Maximum Supply Voltage To Switch Head Restraint Motor On
Minimum Supply Voltage To Switch Head Restraint Motor Off	Minimum Supply Voltage To Switch Head Restraint Motor On
Passenger's Head Restraint Memory And Movement Control	Status Of Head Restraint Down Output
Status Of Head Restraint Up Output	Status Of Potentiometer Supply Output
System Battery Voltage Value 1 - 1/10	Tilt Switch Input Status
Total Number Of Diagnostic Trouble Codes	

PRDM Sensors

Battery Voltage	Passenger's Rear Door Ajar Switch
Passenger's Rear Door Guard Lamp Digital Feedback	Passenger's Rear Door Guard Lamp Output
Passenger's Rear Door Superlock Drive Output	Passenger's Rear Door Unlock Drive Output
Passenger's Rear Door Window Glass Down Output	Passenger's Rear Door Window Glass Down Switch
Passenger's Rear Door Window Glass Up Output	Passenger's Rear Door Window Glass Up Switch
Passenger's Rear Door Window Glass Up Down Current Feedback	

PSM Sensors

Auxiliary Ignition	Backrest Recline Feedback
Backrest Recline Lower Switch	Backrest Recline Raise Switch
Battery Voltage	Door Ajar Switch
Head Restraint Feedback	Head Restraint Lower Switch
Head Restraint Raise Switch	Key In Ignition Switch
Lumbar Deflate	Lumbar Deflate Switch
Lumbar Inflate	Lumbar Inflate Switch
Mirror Fold-back Motor Output	Number Of Diagnostic Trouble Codes Logged
Passenger's Feedback Potentiometer Reference Voltage	Passenger's Head Restraint Down Motor Output
Passenger's Head Restraint Down Switch	Passenger's Head Restraint Up Motor Output
Passenger's Head Restraint Up Switch	Passenger's Seat Aft Motor Output
Passenger's Seat Aft Switch	Passenger's Seat Fore Motor Output
Passenger's Seat Fore Switch	Passenger's Seat Front Height Down Motor Output
Passenger's Seat Front Height Down Switch	Passenger's Seat Front Height Up Motor Output
Passenger's Seat Front Height Up Switch	Passenger's Seat Incline Motor Output
Passenger's Seat Incline Switch	Passenger's Seat Rear Height Down Motor Output
Passenger's Seat Rear Height Down Switch	Passenger's Seat Rear Height Up Motor Output
Passenger's Seat Rear Height Up Switch	Passenger's Seat Recline Motor Output
Passenger's Seat Recline Switch	Recall Memory Position 1 Switch
Recall Memory Position 2 Switch	Recall Memory Position 3 Switch
Seat Aft Switch	Seat Cushion Front Feedback
Seat Cushion Front Lower Switch	Seat Cushion Front Raise Switch
Seat Cushion Rear Feedback	Seat Cushion Rear Lower Switch
Seat Cushion Rear Raise Switch	Seat Fore Switch
Seat Fore Aft Feedback	Seat Front Height Down Motor Output
Seat Front Height Down Switch Input	Seat Front Height Feedback Potentiometer
Seat Front Height Up Motor Output	Seat Front Height Up Switch Input
Seat Heater	Seat Lower Motor
Seat Lower Switch	Seat Memory Audible Signal
Seat Memory Position	Seat Raise Motor
Seat Raise Switch	Seat Rear Height Down Motor Output
Seat Rear Height Down Switch Input	Seat Rear Height Feedback Potentiometer
Seat Rear Height Up Motor Output	Seat Rear Height Up Switch Input

RCM Sensors

Crash Status - Crash Has Occurred	Driver Safety Belt Sensor - Safety Belt Sensor Fault
Driver Safety Belt Sensor - Safety Belt Sensor State	Engine Status - Engine In Crank
Engine Status - Engine Running	Global Real Time
In-Car Temperature	Main Engine Control Module Voltage Supply
Occupant Classification Sensor Status	Passenger Air Bag Disables Lamp Dimmer Level
Passenger Safety Belt Sensor - Safety Belt Sensor Fault	Passenger Safety Belt Sensor - Safety Belt Sensor State
Resistance Deployment Control 0 Driver Air Bag 1	Resistance Deployment Control 1 Driver Air Bag 2
Resistance Deployment Control 2 Passenger Air Bag 1	Resistance Deployment Control 3 Passenger Air Bag 2
Resistance Deployment Control 4 Driver Pretensioner	Resistance Deployment Control 5 Passenger Pretensioner
Resistance Deployment Control 6 Side Air Bag 1 - Left Side Of The Vehicle	Resistance Deployment Control 7 Side Air Bag 1 - Right Side Of The Vehicle
Resistance Deployment Control 8 Curtain Air Bag 1 - Left Side Of The Vehicle	Resistance Deployment Control 9 Curtain Air Bag 1 - Right Side Of The Vehicle
Seat Track Sensor - Driver Seat Track Sensor Fault	Seat Track Sensor - Driver Seat Track Sensor State
Seat Track Sensor - Passenger Seat Track Sensor Fault	Seat Track Sensor - Passenger Seat Track Sensor State
Total Distance	

RCMISO Sensors

Air Bag Bracket Ground Resistance	Driver's Air Bag Resistance 1
Driver's Air Bag Resistance 2	Driver's Buckle Switch Resistance
Driver's Pretensioner Circuit Resistance	Driver's Side Impact Air Bag Resistance
External Crash Sensor Test Voltage	Ignition Input
Number Of Permanent Diagnostic Trouble Codes	Passenger Buckle Switch Resistance
Passenger's Air Bag Resistance 1	Passenger's Air Bag Resistance 2
Passenger's Pretensioner Circuit Resistance	Passenger's Side Impact Air Bag Resistance

RCMSCP Sensors

Bracket Ground Resistance	Driver's Air Bag Resistance
Number Of Permanent Diagnostic Trouble Codes	Passenger's Air Bag Resistance
Primary Crash Sensor 1 - Ground Resistance	Primary Crash Sensor 2 - Ground Resistance
System Battery Voltage	

REM Sensors

Battery Over Voltage Shutdown	Battery Under Voltage Shutdown
Battery Voltage	Brake Pedal Switch
Control Module Status	Courtesy Lamp Output
Diagonal Door Double Lock Output	Diagonal Door Lock Output
Diagonal Door Unlock Output	Door Window Glass Left Peak Motor Current
Door Window Glass Right Peak Motor Current	Driver's Door Module Security Input
Driver's Rear Left Door Ajar Switch	Driver's Rear Right Door Ajar Switch
Exterior Luggage Compartment Release	Fuel Cell Status Gauge

REM Sensors (continued)

Fuel Filler Door Release	Fuel Level 1
Fuel Level 2	Fuel Pump Duty Cycle 2 To The Rear Electronics Control Module
Fuel Pump Duty Cycle To The Rear Electronic Module	General Electronics Control Module Security Input
Inclination Alarm Input	Inclination Fault Status
Inclination Sensor Power Output	Inertia Switch
Intrusion Fault Status	Intrusion Sensor Power Output
Intrusion Sensors	Last 8 Alarm Triggers - Alarm 1
Last 8 Alarm Triggers - Alarm 2	Last 8 Alarm Triggers - Alarm 3
Last 8 Alarm Triggers - Alarm 4	Last 8 Alarm Triggers - Alarm 5
Last 8 Alarm Triggers - Alarm 6	Last 8 Alarm Triggers - Alarm 7
Last 8 Alarm Triggers - Alarm 8	Last 8 Lock Unlock Triggers - Lock Unlock 1
Last 8 Lock Unlock Triggers - Lock Unlock 2	Last 8 Lock Unlock Triggers - Lock Unlock 3
Last 8 Lock Unlock Triggers - Lock Unlock 4	Last 8 Lock Unlock Triggers - Lock Unlock 5
Last 8 Lock Unlock Triggers - Lock Unlock 6	Last 8 Lock Unlock Triggers - Lock Unlock 7
Last 8 Lock Unlock Triggers - Lock Unlock 8	Left And High Mounted Stoplamps Output
Left Marker Lamp Driver Output Status	Left Marker Lamp Driver Short To Battery
Left Seat Heater Output	Left Seat Heater Temperature Switch Input
Left Seat Heater Thermal Sensor	Left Tail Lamp Driver Output Short To Battery
Left Tail Lamp Driver Output Status	License Plate Lamp
Luggage Compartment Driver Output Status	Luggage Compartment Lid Ajar
Luggage Compartment Lid Driver Output State	Luggage Compartment Lid Lock
Luggage Compartment Lid Lock Status	Luggage Compartment Lid Locking Status
Luggage Compartment Lid Open Switch	Luggage Compartment Lid Release Switch
Luggage Compartment Lid Unlock	Modulated Fuel Pump Control - Duty Cycle
Module Reset Counter	Mute Status
Number Of Permanent Diagnostic Trouble Codes	Number Of Trouble Codes Set By Diagnostic Tests
Park Aid Speed Lower Threshold Calibration	Park Aid Speed Upper Threshold Calibration
Passenger's Door Lock Activated	Passenger's Door Lock Latch Status
Passenger's Door Unlock Activated	Passenger's Door Unlock Latch Status
Passenger's Rear Left Door Ajar Switch	Passenger's Rear Right Door Ajar Switch
Passenger's Rear Door Double Lock Output	Passenger's Rear Door Lock Drive Output
Passenger's Rear Door Unlock Drive Output	Passive Sounder Output
Pulse Width Modulation Duty Cycle	Rear Electronic Control Module Battery Positive
Rear Fog Lamps	Rear Left Door Ajar Switch
Rear Left Door Window Glass Down Switch Status	Rear Left Door Window Glass Up Switch Status
Rear Left Puddle Lamp	Rear Left Turn Signal Driver Output Status
Rear Left Turn Signal Driver Short To Battery	Rear Right Door Window Glass Down Switch Status
Rear Right Door Window Glass Up Switch Status	Rear Right Puddle Lamp
Rear Right Turn Signal Driver Output Status	Rear Right Turn Signal Driver Short To Battery
Reverse Lamps	Right Marker Lamp Driver Output Status
Right Seat Heater Output	Right Seat Heater Temperature Switch Input
Right Seat Heater Thermal Sensor	Right Stoplamp Output

REM Sensors (continued)

Right Tail Lamp Driver Output Short To Battery	Right Tail Lamp Driver Output Status
Steering Column Lock Power Output Status	Switch System Power Relay Driver Output
System Battery Voltage Potential Over Voltage	System Battery Voltage Potential Under Voltage
System Status	Trailer Attached

RSM Sensors

Battery Over Voltage Shutdown	Battery Under Voltage Shutdown
Battery Voltage	Control Module Status
Module Reset Counter	Number Of Permanent Diagnostic Trouble Codes
Rear Left Head Restraint Down	Rear Left Head Restraint Down Switch
Rear Left Head Restraint Position	Rear Left Head Restraint Up
Rear Left Head Restraint Up Switch	Rear Left Memory Set Led Output
Rear Left Memory Set Switch Input	Rear Left Memory Set Recall Switch 1
Rear Left Memory Set Recall Switch 2	Rear Left Memory Set Recall Switch 3
Rear Left Seat Backrest Incline	Rear Left Seat Backrest Recline
Rear Left Seat Incline Switch	Rear Left Seat Recline Position
Rear Left Seat Recline Switch	Rear Right Head Restraint Down
Rear Right Head Restraint Down Switch	Rear Right Head Restraint Position
Rear Right Head Restraint Up	Rear Right Head Restraint Up Switch
Rear Right Memory Set Led Output	Rear Right Memory Set Switch Input
Rear Right Memory Set Recall Switch 1	Rear Right Memory Set Recall Switch 2
Rear Right Memory Set Recall Switch 3	Rear Right Seat Backrest Incline
Rear Right Seat Backrest Recline	Rear Right Seat Incline Switch
Rear Right Seat Recline Position	Rear Right Seat Recline Switch
System Battery Voltage Potential Over Voltage	System Battery Voltage Potential Under Voltage

SCLM Sensors

Control Module Status	Locking Pin Position Status
Number Of Permanent Diagnostic Trouble Codes	Number Of Trouble Codes Set By Diagnostic Tests
Position Is Invalid	Steering Column Lock Column Command
Steering Column Lock Ground Output	Steering Column Lock Power Output
Vehicle Security Access	

SLM Sensors

Brake Pedal Switch	Convertible Top Latch Valve
Convertible Top Lowered Switch	Convertible Top Lowering Switch
Convertible Top Main Control Valve	Convertible Top Main Control Valve Sense
Convertible Top Main Valve	Convertible Top Motor Relay 1 Sense
Convertible Top Motor Relay 2 Sense	Convertible Top Relay 1 - Push
Convertible Top Relay 2 - Pull	Driver's Door Lock Status
Exterior Luggage Compartment Lid Release Switch	Exterior Luggage Compartment Release
Fuel Filler Door Lock Output	Fuel Filler Door Release
Fuel Filler Door Release Sense	Fuel Filler Door Unlock Output

SLM Sensors (continued)	
Inclination Alarm	Inclination Alarm Input
Inclination Sensor Feed	Last Eight Alarm Trigger Events
Left Stoplamp	Left Stoplamp Feedback
Luggage Compartment Ajar	Luggage Compartment Lid Open Switch
Luggage Compartment Lid Release Output	Luggage Compartment Release
Luggage Compartment Release Sense	Passenger Door Lock Status
Passenger's Door Lock Status	Radio Sense
Rear Bulb Failure	Rear Fog Lamps
Reverse Lamp	Reverse Light
Right Stoplamp	Right Stoplamp Feedback
Split Charge Enable Output	Trailer Sense Switch

TCM Sensors

Absolute Throttle Position	Accelerator Pedal Position
Actuator Supply Voltage	Average Wheel Speed Powered Wheels
CAN Information - Checksum Alive Counter Fault On Engine Management System	CAN Information - Checksum Alive Counter Fault On Stability Control System
CAN Information - Checksum Alive Counter Fault Position On Can	CAN Information - Checksum Alive Counter Fault Position On Serial Backup Line
Checksum Error Indication - Fast Checksum - Status Checksum In Calibration	Checksum Error Indication - Fast Checksum - Status Checksum In Drive Code
Checksum Error Indication - Standard Checksum - Status Checksum In Calibration Area	Checksum Error Indication - Standard Checksum - Status Checksum In External Drive Code
Checksum Error Indication - Standard Checksum - Status Checksum In Internal Drive Code	Checksum Error Indication - Standard Checksum - Status Checksum In Volcano Configuration
Checksum Error Indication - Standard Checksum - Status Checksum In Zf Calibration	Control Module Internal Temperature
Control Module Supply Voltage	Current Engine Torque
Engine Oil Temperature	Engine Speed
Engine Status - Engine In Crank	External Temperature
Fault In Level 2 Monitoring For Automatic Position	Fault In Level 2 Monitoring For Button Evaluation
Fault In Level 2 Monitoring For Diagnostic Position	Fault In Level 2 Monitoring For Disable Driver Interface
Fault In Level 2 Monitoring For Display	Fault In Level 2 Monitoring For Driver Requested Position
Fault In Level 2 Monitoring For Input Conditions	Fault In Level 2 Monitoring For Position From Can
Fault In Level 2 Monitoring For Position From Serial Backup Line	Fault In Level 2 Monitoring For Position Priority
Fault In Level 2 Monitoring For Position Selection	Fault In Level 2 Monitoring For Positive Torque Request
Global Real Time	Gear Selected
Key Lock Output State	Main Engine Control Module Voltage Supply
Park Or Neutral Signal For Starter Inhibit	Power Supply Sensor Voltage
Powered Wheels Average Wheel Speed - Measured Value	Protection And Safety Functions 0 - Conditional Electrical Emergency Program - shift 1
Protection And Safety Functions 0 - Conditional Electrical Emergency Program - shift 2	Protection And Safety Functions 0 - Conditional Electrical Emergency Program - shift 3
Protection And Safety Functions 0 - Conditional Electrical Emergency Program - shift 4	Protection And Safety Functions 0 - Disable Driver Selection Of Drive

TCM Sensors (continued)

Protection And Safety Functions 0 - Disable Driver Selection Of Reverse	Protection And Safety Functions 0 - Hold In Park If Already In Park
Protection And Safety Functions 0 - Modulated Emergency Program Third Gear	Protection And Safety Functions 1 - Disable Positive Torque Request
Protection And Safety Functions 1 - Electrical Emergency Program 3/5	Protection And Safety Functions 1 - Electrical Emergency Program 5
Protection And Safety Functions 1 - Keep Gear In The Low Range	Protection And Safety Functions 1 - Range By Substitute Value
Protection And Safety Functions 1 - Switch Off Adaption	Protection And Safety Functions 2 - Input Lines Of Programme Switches Disabled
Protection And Safety Functions 2 - Keep Actual Gear	Protection And Safety Functions 2 - Output Speed By Wheel Speed
Protection And Safety Functions 2 - Shift Lock Off	Protection And Safety Functions 2 - Shift To And Keep Fifth Gear
Protection And Safety Functions 2 - Shift To And Keep Fourth Gear	Protection And Safety Functions 2 - Torque Converter Stuck Off
Protection And Safety Functions 2 - Wheel Speed By Output Speed	Protection And Safety Functions 3 - Error Indicator Lamp
Protection And Safety Functions 3 - Maximum Main Pressure	Protection And Safety Functions 3 - Mechanical Limp Home Mode
Protection And Safety Functions 3 - Switch Off Mv3 - Low Side	Protection And Safety Functions 3 - Switch Off Mv4 - Low Side
Protection And Safety Functions 3 - Switch Off The Low Side Field Effect Transistors	Protection And Safety Functions 3 - Switch Off The Smart Booster Control Function
Result Of 'Hot Off' Test	Shift-lock Solenoid Signal
Signal Information 0 - Status Chip Temperature	Signal Information 0 - Status Output Speed
Signal Information 0 - Status Park Lock Sensor	Signal Information 0 - Status Position Sensor
Signal Information 0 - Status Transmission Oil Temperature	Signal Information 0 - Status Transmission Oil Temperature Compared To Chip Temperature
Signal Information 0 - Status Turbine Speed	Signal Information 1 - Status Engine Speed
Signal Information 1 - Status Shiftlock Request	Signal Information 1 - Status Throttle/pedal
Signal Information 1 - Status Torque 1	Signal Information 2 - Status Brake Signal
Signal Information 2 - Status Driving Direction	Signal Information 2 - Status Wheel Speed Front Left
Signal Information 2 - Status Wheel Speed Front Right	Signal Information 2 - Status Wheel Speed Rear Left
Signal Information 2 - Status Wheel Speed Rear Right	Signal Information 3 - Status Drive Button
Signal Information 3 - Status Neutral Button	Signal Information 3 - Status Of Number Of Buttons
Signal Information 3 - Status Paddle Minus	Signal Information 3 - Status Paddle Plus
Signal Information 3 - Status Park Button	Signal Information 3 - Status Reverse Button
Signal Information 3 - Status Sport Button	Signal Information 4 - Status Drive Button
Signal Information 4 - Status Neutral Button	Signal Information 4 - Status Of Number Of Buttons
Signal Information 4 - Status Paddle Minus	Signal Information 4 - Status Paddle Plus
Signal Information 4 - Status Park Button	Signal Information 4 - Status Reverse Button
Signal Information 4 - Status Sport Button	Solenoid States - State Of Solenoid 1
Solenoid States - State Of Solenoid 2	Solenoid States - State Of Solenoid 3
Solenoid States - State Of Solenoid 4	Status Information At Time Of 'Hot Off' - Too Hot At Initialisation

TCM Sensors (continued)

Status Information At Time Of 'Hot Off' - Voltage Regulator Fault Status	Status Of The Ignition On Off Switch
Switch Input Flags - Level On L1 Pin	Switch Input Flags - Level On L2 Pin
Switch Input Flags - Level On L3 Pin	Switch Input Flags - Level On L4 Pin
Switch Input Flags - Level On M-gate Pin	Switch Input Flags - Level On Optional Input Pin
Switch Input Flags - Level On Tip Negative Pin	Switch Input Flags - Level On Tip Positive Pin
Time Information	Total Distance
TCM - Internal Module Temperature	TCM - Internal Module Temperature If Transmission Shuts Down Due To Over-Temp
Transmission Current Gear	Transmission Oil Temperature
Transmission Oil Temperature If Transmission Shuts Down Due To Over-Temperature	Transmission Oil Temperature Sensor - Minus Voltage
Transmission Oil Temperature Sensor - Plus Voltage	Transmission Output Shaft Speed
Transmission Output Shaft Speed - Raw	Turbine Speed

TCMII Sensors

2-4 Brake Pressure Solenoid Duty Ratio	2-4 Brake Pressure Solenoid Feedback Status
2-4 Brake Timing Duty Solenoid	2-4 Brake Timing Solenoid Feedback Status
2-4 Brake Timing Solenoid Status	ABS Message
Battery Input	Brake Pedal Switch
Calculated Load Value	Calculated Torque Request
CAN Bus Off Counter	Control Module Status
Current Transmission Gear Status	Current Transmission Gear Ratio
Drive To Fourth Switch	Drive Fourth Switch
Driving Mode	Electrically Erasable Programmable Read Only Memory Checks
Engine Coolant Temperature	Engine Management System Messages
Engine Management System Version	Engine Oil Temperature
Engine Speed	Engine Torque
Engine Torque After Override	Fault Indication Lamp
Fifth Gear Ratio	First Gear Ratio
Fourth Gear Ratio	Gear Position Switch Input L0
Gear Position Switch Input L1 - MB Only	Gear Position Switch Input L1 - ZF Only
Gear Position Switch Input L2	Gear Position Switch Input L3 - MB Only
Gear Position Switch Input L3 - ZF Only	Gear Position Switch Input L4
Gear Selector Position	Gearshift Position 2 Bit - Tip -
Gearshift Position Bit 0 - Manual	Gearshift Position Bit 1 - Tip +
Gearshift Position Selected 0 - CAN	Gearshift Position Selected 1 - CAN
Gearshift Position Selected 2 - CAN	Hot Mode
Ignition Feed Positive	Ignition Status - X-Type Only
Intermediate Shaft Speed	Kickdown Switch
Lock up Duty Solenoid	Lock-up Clutch
Lock-up Solenoid Duty Ratio	Lock-up Solenoid Feedback Status
Low Clutch Timing Solenoid	Low Clutch Timing Solenoid Feedback Status

TCMII Sensors (continued)

Low Clutch Timing Solenoid Status	Modulation Pressure Regulator
Number Of Permanent Diagnostic Trouble Codes	Output Shaft Speed Sensor
Pedal Position	Pedal Position Sensor
Performance Mode Switch - X-Type Only	Performance Mode Switch A
Power Supply	Pressure Line Duty Solenoid
Pressure Regulator 1 Calculated Output	Pressure Regulator 1 Driver
Pressure Regulator 2 Calculated Output	Pressure Regulator 2 Driver
Pressure Regulator 3 Calculated Output	Pressure Regulator 3 Driver
Pressure Regulator 4 Calculated Output	Pressure Regulator 4 Driver
Pressure Regulator 5 Calculated Output	Pressure Regulator 5 Driver
Pressure Regulator 6 Driver	Reduction Timing Solenoid
Reduction Timing Solenoid Feedback Status	Reduction Timing Solenoid Status
Reverse Gear Ratio	Second Gear Ratio
Shift Line Pressure Duty Ratio	Shift Line Pressure Solenoid Feedback Status
Shift Pressure Regulator	Shift Solenoid 1
Shift Solenoid 1 Feedback	Shift Solenoid 2
Shift Solenoid 2 Feedback	Shift Solenoid 3
Shift Solenoid 3 Feedback	Shift Solenoid A
Shift Solenoid B	Shift Solenoid C
Shift Solenoid Valve 1	Shift Solenoid Valve 2
Shift Solenoid Valve 3	Solenoid 1 Output
Solenoid 2 Output	Solenoid 3 Output
Solenoid Ground	Spare Switch 1 - X-Type Only
Spare Switch 2 - X-Type Only	Speed Control Status Indicator 1
Speed Control Status Indicator 2	Speed Control Status Indicator 3
Test Switch - X-Type Only	Third Gear Ratio
Throttle Message	Throttle Position Sensor
Torque Converter Clutch	Torque Reduction
Torque Reduction Acknowledge	Torque Reduction Request
Traction Control Status Indicator 1	Traction Control Status Indicator 2
Traction Control Status Indicator 3 - MB Only	Traction Control Status Indicator 3 - ZF Only
Transmission Control Module Ceramic Temperature	Transmission Input - Turbine Speed Sensor
Transmission Input Speed	Transmission Oil Temperature
Transmission Output Speed	Transmission Range Switch
Transmission Range Switch A	Transmission Range Switch B
Transmission Range Switch C	Transmission Switch L1
Transmission Switch L2	Transmission Switch L3
Transmission Switch L4	Vehicle Speed

TCMIII Sensors

Battery Input	Brake Pedal Switch
Calculated Load Value	Calculated Torque Request
Control Module Status	Current Transmission Gear Status
Current Transmission Gear Ratio	Engine Coolant Temperature
Engine Oil Temperature	Engine Speed
Gear Selector Position	Gearshift Position 2 Bit - Tip -
Gearshift Position Bit 0 - Manual	Gearshift Position Bit 1 - Tip +
Gearshift Position Selected 0 - CAN	Gearshift Position Selected 1 - CAN
Gearshift Position Selected 2 - CAN	Number Of Emissions Related - OBD Diagnostic Trouble Codes
Number Of Permanent Diagnostic Trouble Codes	Park Neutral Signal
Pedal Position	Pressure Regulator 1 Driver
Pressure Regulator 2 Driver	Pressure Regulator 3 Driver
Pressure Regulator 4 Driver	Pressure Regulator 5 Driver
Pressure Regulator 6 Driver	Solenoid 1 Output
Solenoid 2 Output	Throttle Position
Transmission Control Module Ceramic Temperature	Transmission Input Speed
Transmission Oil Temperature	Transmission Output Speed
Transmission Switch L1	Transmission Switch L2
Transmission Switch L3	Transmission Switch L4

TCMISO Sensors

Actual Force Motor Current	Actual Gear Ratio
Adaptive Shift Pressure Control - Normal High 1-2	Adaptive Shift Pressure Control - Normal High 2-3
Adaptive Shift Pressure Control - Normal High 3-4	Adaptive Shift Pressure Control - Normal Low 1-2
Adaptive Shift Pressure Control - Normal Low 2-3	Adaptive Shift Pressure Control - Normal Low 3-4
Adaptive Shift Pressure Control - Normal Medium 1-2	Adaptive Shift Pressure Control - Normal Medium 2-3
Adaptive Shift Pressure Control - Normal Medium 3-4	Adaptive Shift Pressure Control - Sport High 2-3
Adaptive Shift Pressure Control - Sport High 3-4	Adaptive Shift Pressure Control - Sport Low 1-2
Adaptive Shift Pressure Control - Sport Low 2-3	Adaptive Shift Pressure Control - Sport Low 3-4
Adaptive Shift Pressure Control - Sport Medium 1-2	Adaptive Shift Pressure Control - Sport Medium 2-3
Adaptive Shift Pressure Control - Sport Medium 3-4	Adsph12
Brake Switch	Calculated Load Value
Desired Force Motor Current	Engine Coolant Temperature
Engine Speed	Fault Line Volts
Hot Mode	Ignition Feed Positive
Kickdown Switch	Modulating Pressure
MV1 Line Volts	MV2 Line Volts
MVWK Line Volts	Number Of Diagnostic Trouble Codes Logged
Pattern Bit	Pressure Correction Value
Shift Solenoid A	Shift Solenoid B
Sport Line Volts	Throttle Position

TCMISO Sensors (continued)

Torque Converter Clutch Pulse Width Modulation	Torque Converter Clutch Switch
Torque Converter Slip	Torque Reduction
Traction Active	Transmission Control Switch A
Transmission Control Switch X - MY95 Only	Transmission Control Switch X
Transmission Control Switch Y	Transmission Control Switch Y - MY95 Only
Transmission Control Switch Z - MY97 Only	Transmission Control Switch Z
Transmission Oil Temperature	Transmission Output Speed
Transmission Output Speed - Positive	Turbine Input Shaft Speed
Vehicle Speed	

TPM Sensors

Antenna Receiver Frequency	External Temperature
Front Left Wheel Unit Tire Sensor Status - Low Battery Voltage Detected	Front Left Wheel Unit Tire Sensor Status - Tire Pressure Out Of Specification
Front Right Wheel Unit Tire Sensor Status - Low Battery Voltage Detected	Front Right Wheel Unit Tire Sensor Status - Tire Pressure Out Of Specification
Global Real Time	In-Car Temperature
Low Frequency Initiator System Status - Low Frequency Initiator Status Front Left	Low Frequency Initiator System Status - Low Frequency Initiator Status Front Right
Low Frequency Initiator System Status - Low Frequency Initiator Status Rear Left	Low Frequency Initiator System Status - Low Frequency Initiator Status Rear Right
Main Engine Control Module Voltage Supply	Number Of Trouble Codes Set Due To Diagnostic Test
Rear Left Wheel Unit Tire Sensor Status - Low Battery Voltage Detected	Rear Left Wheel Unit Tire Sensor Status - Tire Pressure Out Of Specification
Rear Right Wheel Unit Tire Sensor Status - Low Battery Voltage Detected	Rear Right Wheel Unit Tire Sensor Status - Tire Pressure Out Of Specification
Spare Wheel Unit Tire Sensor Status - Low Battery Voltage Detected	Spare Wheel Unit Tire Sensor Status - Tire Pressure Out Of Specification
Tire Pressure Monitor System Status - Diminished Mode	Tire Pressure Monitor System Status - Horn Chirp Request
Tire Pressure Monitor System Status - Input Push Button Pressed	Tire Pressure Monitor System Status - Learn Completed Successfully
Tire Pressure Monitor System Status - Learn Mode Status	Tire Pressure Monitor System Status - Locate Completed Successfully
Tire Pressure Monitor System Status - Locate Failed	Tire Pressure Monitor System Status - Locate Is Ready To Start
Tire Pressure Monitor System Status - Locate Mode Status	Tire Pressure Monitor System Status - Normal System Operation
Tire Pressure Monitor System Status - System Telltale Load Condition High	Tire Pressure Monitor System Status - Vehicle Moving
Tire Pressure Spare Wheel Unit	Tire Pressure Status Spare Wheel Unit
Tire Pressure Status Wheel Unit 1	Tire Pressure Status Wheel Unit 2
Tire Pressure Status Wheel Unit 3	Tire Pressure Status Wheel Unit 4
Tire Pressure Wheel Unit 1	Tire Pressure Wheel Unit 2
Tire Pressure Wheel Unit 3	Tire Pressure Wheel Unit 4
Tire Transmitter Identification Spare Wheel Unit	Tire Transmitter Identification Wheel Unit 1
Tire Transmitter Identification Wheel Unit 2	Tire Transmitter Identification Wheel Unit 3
Tire Transmitter Identification Wheel Unit 4	Total Distance