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Note: Unless specified otherwise, data measurements are displayed in English

Calibrations

Cal ID	4F00VNJ001M
Software Level	W11_0B2
Serial Number	BK5538N3715310T2
Part Number	29545538
TCM Date	TBD
HCN / CCN	29 / C11_070
VIN	N/A
This Tool S/N	114284
Last Tool S/N	114284
Vocational Model	3500RDS
Calibration Group / Active Package	99 / 113
Customized Datalink	No
TID	Level A
Translator Device	NORWIR32
Communication Protocol	J1939
Tool Version Number	Version 10.0.0
(Build 12/29/2011)	

Autodetect Information

Auto Select Configuration	L RTP Required; SEM
will run if engine supports	
Engine Hardware Status	Not SEM/L RTP
Recognized	
SEM Validated	ECM doesn't support
SEM	
L RTP Validated	ECM doesn't support
L RTP	
SEM/L RTP Compatibility	Not Compatible
SEM Enabled Status	Disabled
L RTP Enabled Status	Disabled
SEM Torque Reduction Status	Correct Response
L RTP Torque Reduction Status	Correct Response
Unapproved SEM Torque Reducing Device	255 = Information
Not Valid	
Unapproved L RTP Torque Reducing Device	255 = Information
Not Valid	
Max Eng. Torq. Allowed during loss of J1939 Communication	625.45 ft-lb
SCAAN Run Number	0
Peak Torque from AETC Message	619.55 ft-lb
Engine Torque Rating for Overrating Fault	678.56 ft-lb
Engine Torque Rating for SEM/L RTP Requirement	553.17 ft-lb
Oil Level Autodetected / Status	Yes / OLS Present
Autodetected Engine Starts	4
Throttle Source / Status	J1939 / Forced
Analog Throttle Autodetect	No
J1939 Throttle Autodetect	No
J1587 Throttle Autodetect	No
Retarder Available / Status	No / Not Present
Engine Coolant Source / Status	Unknown / Not
Forced	
Analog Coolant Autodetect	No

J1939 Coolant Autodetect	No
J1587 Coolant Autodetect	No
Retarder Pressure Transducer Status	Not Present

Shift Inhibits	Current Active
History	-----

Low Main Pressure	No Inhibit
No Inhibit	
Transfer Case Neutral	No Inhibit
No Inhibit	
Diagnostic Active	No Inhibit
No Inhibit	
Auto Neutral Single Input	No Inhibit
No Inhibit	
Reverse Enable	No Inhibit
No Inhibit	
Reverse Inhibit with Preselect Request	No Inhibit
No Inhibit	
Aux Function Range Inhibit	Inhibit
No Inhibit	
PTO Neutral Lockup	No Inhibit
No Inhibit	
Engine Speed	No Inhibit
No Inhibit	
Shift Inhibit Output Speed	No Inhibit
No Inhibit	
Throttle	No Inhibit
No Inhibit	
IMS Function or Alignment	No Inhibit
No Inhibit	
IMS PS4 Disagree	No Inhibit
No Inhibit	
No Pull down on shift to range	No Inhibit
No Inhibit	
Wheel Spin or Lock	No Inhibit
No Inhibit	
Pump Not Engaged	No Inhibit
No Inhibit	
Medium Cold Oil	No Inhibit
No Inhibit	
Direct Hold	No Inhibit
No Inhibit	
Direction Change Enable	Inhibit
No Inhibit	
Automatic Neutral	No Inhibit
No Inhibit	
Oil Field Quick to Neutral	No Inhibit
No Inhibit	
WT PS1 Pressurized in Cold Mode	No Inhibit
No Inhibit	
Brake Based Automatic Neutral	No Inhibit
No Inhibit	
Auto Neutral Dual Input	No Inhibit
No Inhibit	
Neutral Indicator for PTO	No Inhibit
No Inhibit	
Idle Start/Stop Input	No Inhibit
No Inhibit	
Reverse Inhibit by Pump Mode	No Inhibit
No Inhibit	

2nd Reverse Inhibited
No Inhibit

No Inhibit

Wire/Databus State,Latched	State Signal	Function Name Rel,Source,State
Mode	OFF	Input - Secondary Mode
OFF,YES	N/A	
101	ON	Input - Auxiliary Function Range Inhibit
ON,NO	N/A	
143	OFF	Input - PTO Enable
OFF,NO	N/A	
102	OFF	Input - Engine Brake Enable and Pre-select Request 1
OFF,NO	N/A	
117	Disable	Input - Auto Neutral Single Input
Disable,NO	N/A	
Databus		Input - Reverse Inhibit with Preselect Request
OFF,NO	N/A	
162	Disable	Input - Service Brake Status Non-Inverted
OFF,NO	N/A	
121	OFF	Input - ABS Active
OFF,NO	N/A	
161	Disable	Input - Retarder Enable
Disable,NO	N/A	
123	Disable	Input - RELS
Disable,NO	N/A	
157	OFF	Input - Engine Brake and Pre-select Request 2
OFF,NO	N/A	
142	Disable	Input - Auxiliary Hold
Disable,NO	N/A	
122	OFF	Input - Direction Change Enable
ON,NO	N/A	
Databus		Input - Preselect Request
OFF,NO	N/A	
Databus		Input - 2nd Gear Start
OFF,NO	N/A	

Wire/Databus State,Latched	State Signal	Function Name Rel,Source,State
130	OFF	Output - PTO Enable
OFF,NO	N/A	
104	OFF	Output - Engine Brake Enable - Inverted
OFF,NO	N/A	
145	ON	Output - Range Indicator
ON,NO	N/A	
105	OFF	Output - Output Speed Indicator A
OFF,NO	N/A	
124	Disable	Output - Retarder Indicator
Disable,NO	N/A	
164	OFF	Output - Sump Temp Indicator
OFF,NO	N/A	
129	ON	Output - Check Transmission -- MIL
ON,YES	N/A	
Databus		Output - Range Inhibit Indicator -- RII
ON,YES	N/A	
Databus		Output - Do Not Shift Status
OFF,YES	N/A	
165	OFF	Output - Reverse Warning Status

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OFF,YES	N/A	
141	OFF	Output - Neutral Start Status
OFF,YES	N/A	
150	Disable	Output - Strip Selector Range Indication
Disable,NO	N/A	
Databus		Output - Requested Torque Reduction
OFF,YES	N/A	
Databus		Output - Service Indicator
OFF,YES	N/A	

Diagnostic Data

Accelerator Position (%)	0.0
Absolute Throttle Position (%)	0.0
Input Speed (rpm)	995
Turbine Speed (rpm)	926
Output Speed (rpm)	0
Current Gear	Neutral
Gear Commanded	Neutral
Gear Selected	2nd
Shift Selector Range Selected	2
Shift Selector Range Commanded	N
Previous Gear	Neutral
On-Coming Clutch Pressure (psi)	0.0
Off-Going Clutch Pressure (psi)	0.0
Pressure Switch 1	Exhausted/OFF
Pressure Switch 2	Exhausted/Close
TCC PCS Commanded Pressure (psi)	0.0
Main Mod Solenoid Commanded Pressure (psi)	232.06
PCS 1 Commanded Pressure (psi)	0.0
PCS 2 Commanded Pressure (psi)	0.0
PCS 3 Commanded Pressure (psi)	0.0
PCS 4 Commanded Pressure (psi)	0.0
PCS 5 Commanded Pressure (psi)	0.0
PCS 6 Commanded Pressure (psi)	0.0
Shift Solenoid 1 Status	off
Shift Solenoid 2 Status	off
Retarder Requested (%)	N/A
Intended Retarder Torque (%)	-128.00
Actual Retarder Torque (%)	-128.00
Trans Fluid Temp	113 °F / 45 °C
Engine Coolant Temperature	-40 °F / -40 °C
Retarder Temp	N/A
TCC Slip Speed (rpm)	69
TCC State	off
Next Output Speed For Upshift (rpm)	346
Output Speed Acceleration (rpm/Sec)	0
Next Output Speed For Downshift (rpm)	0
Last Output Speed Range Shift (rpm)	0
Cruise Enabled	No
Mode Button Status (via CAN1)	off
Gear Shift Module Incompatible with Prognostics Features	False
Oil Level Display Code	Settling Time 0
Oil Level Deviation (Quarts)	4.0
Ignition Voltage (V)	11.8
Battery Voltage (V)	11.8
Normal Shift Pattern	On
Cold Shift Pattern	off
Trans Hot Mode	off
Engine Run Time (hh:mm:ss)	01:12:29
Number of Current Malfunctions	3
Overall Gear Requested	2nd

Gear Ratio	8.0
Active Shift Selector	Not Available
PWM Direction Signal	Not Available
Strip Selector Output Pattern SS-1	N/A
Strip Selector Output Pattern SS-2	N/A
Strip Selector Output Pattern SS-4	N/A
Strip Selector Output Pattern SS-Parity	N/A
Retarder Transducer Pressure (psi)	N/A
Four Wheel Drive Low Active	Not Available
Four Wheel Drive Low Fault	Not Available
Four Wheel Drive Mode Active	Not Available
Engine Torque (ft-lb)	Not Available
Requested Torque Reduction (ft-lb)	Not Available
Driver Demand Engine Torque (ft-lb)	Not Available
Load-based Shift Scheduling State	Not Available
Shift Schedule Currently Selected by LBSS	Not Available
LBSS - Availability of Economy Mode	Low
LBSS - Percent Time Spent in Economy Mode (%)	Not Available
LBSS - Percent Time Overridden by Secondary Switch (%)	Not Available
Percent Time Spent in Super-Economy Mode (%)	Not Available
Percent Time Spent in Vehicle Acceleration Limiting (%)	Not Available
Overall Vehicle Acceleration Control (VAC) Status	Not Available
VAC Level of Acceleration Control	Low
TPS Voltage (V)	Not Available
Retarder Request Voltage (V)	N/A
Oil Level Sensor Voltage (V)	Not Available
Oil Temperature Sensor Resistance (Ω)	Not Available
Retarder Temperature Sensor Resistance (Ω)	Not Available
Engine Coolant Sensor Resistance (Ω)	Not Available
TCM Substrate Temperature	Not Available

Customer Modifiable Constants

Automatic Neutral Engage

Maximum Output Speed for Neutral Engagement	60
PTO Enable	
Maximum Engine Speed for PTO Engagement	900
Maximum Engine Speed for PTO Operation	4000
Maximum Output Speed for PTO Engagement	250
Maximum Output Speed for PTO Operation	300
Torque Converter Clutch Engagement Speed	900
Engine Brake and Pre-Select Request	
Engine Brake Pre-Select Range	2nd
Engine Brake Pre-Select Option	Standard
Engine Brake Alternate Schedule Range	6th
Range Indicator	
Selected Ranges	P N R N1 N2/NNC N3
N4 NVL	
Output Speed Indicator A	
Output Speed to Turn ON	80
Output Speed to Turn OFF	60
Output Speed Indicator B	
Output Speed to Turn ON	80
Output Speed to Turn OFF	60
PTO Overspeed Indicator	
Engine Speed to Turn ON	1650
Engine Speed to Turn OFF	1600
Engine Overspeed Indicator	
Engine Speed to Turn ON	3150
Engine Speed to Turn OFF	3100
Sump/Retarder Temp Indicator	
Flash when Hot Oil Capacity Reduction Active	Disable

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Flash when Hot Oil Preselect Active	Disable
Flash when Engine Coolant Capacity Reduction Active	Disable
Flash when Engine Coolant Preselect Active	Disable
Engine Temp to Flash Output - Reduction active	201 °F / 94 °C °F
Engine Temp to Flash Output - Pre-select active	210 °F / 99 °C °F
Engine Temp difference to Flash Output - Hysteresis	36 °F / 2 °C °F
D1 Selection	
Primary Forward Shift Selector Position	1st Range
Secondary Forward Shift Selector Position	1st Range
Override Autodetect	
Override Throttle Source	J1939
Override Engine Coolant Source	Autodetect
Override Oil Level Sensor	OLS Present
Override Retarder Autodetect	Retarder Not
Present	
Retarder Parameters	
Engine Coolant Temp to Start Retarder Capacity Reduction	207 °F / 97 °C °F
Retarder Capacity Reduction Enable for Hot Coolant	Disable
Preselect Shift Points Enable for Hot Coolant	Disable
Engine Coolant Temp to Invoke Retarder Auto Preselect	216 °F / 102 °C
°F	
Retarder Accumulator	N/A
Retarder Capacity Level	N/A
Two Speed Axle Enable	
Output Speed for Low Axle Select	100
Special Logic Pattern	
Engine Speed Neutral To Range Inhibit	900
Neutral Indicator for PTO	
Engine Speed for Neutral Indicator for PTO	900
Output Speed for Neutral Indicator for PTO	60
Auto Neutral for Refuse Packer	
Output Speed for Auto Neutral for Refuse Packer	60
Brake Based Automatic Neutral	
Brake Based Automatic Neutral Preselect Range	6th
Preselect Request	
Preselect Request Shift Position (Primary)	4th
Preselect Request Shift Position (Secondary)	4th
Prognostics	
Allison Prognostics Package	Enabled
Prognostic Reset by Service Tool ONLY	No
Oil Life Remaining Offset	0 %
TES Oil Type Reset by Service Tool Only	No
TES Oil Type	TES-295
LBSS	
Load-Based Shift Schedule Feature	Not Available
LBSS Availability of Economy Mode	Not Available
LBSS-Store Schedule at Powerdown	Not Available
VAC	
Vehicle Acceleration Control Feature	Not Available
VAC Level of Acceleration Control	Not Available

Trouble Code	Active	Historic	Check Trans	
Description	-----	-----	-----	
P0847	YES	YES	YES	
Transmission Pressure Switch Solenoid 2 Circuit Low				
U0115	YES	YES	YES	Lost
Communication with ECM/PCM B (CAN1/J1939)				
P0614	YES	YES	YES	
Torque Control Data Mismatch ECM/TCM				

Failure Records

P0847--Transmission Pressure Switch Solenoid 2 Circuit Low	0847
Diagnostic Trouble Code	0 miles
Distance (since last code clear) at First Failure	0 miles
Distance (since last code clear) at Last Failure	0
Failure Record Fail Ignition Cycle Counter	0
Failure Record Pass Ignition Cycle Counter	0
Failure Record Not Run Ignition Cycle Counter	0
Gear Selected	2nd
Gear Commanded	Neutral
Current Gear	Neutral
Previous Gear	Neutral
TCM Battery Voltage	11.8 V
Trans Fluid Temperature (TFT)	113.0 °F
Trans Input Shaft Speed	1494 rpm
Trans Output Shaft Speed	0 rpm
Turbine Speed	1286 rpm
Diagnostic Transmission Gear Ratio	8.0
Accelerator Effective Position	0.0 %
Main Mod Solenoid Commanded Pressure	232.06 psi
PCS 1 Commanded Pressure	0.0 psi
PCS 2 Commanded Pressure	0.0 psi
PCS 3 Commanded Pressure	0.0 psi
PCS 4 Commanded Pressure	0.0 psi
PCS 5 Commanded Pressure	0.0 psi
PCS 6 Commanded Pressure	0.0 psi
TCC PCS Commanded Pressure	0.0 psi
Pressure Switch 1	Exhausted/Close
Pressure Switch 2	Exhausted/Close
Shift Solenoid 1 Status	Off
Shift Solenoid 2 Status	Off
TCM Substrate Temperature	102.2 °F
Driver Demand Engine Torque	-75.23 ft-lb
Engine Torque	-75.23 ft-lb
Requested Torque Reduction	0.0 ft-lb
Normal Shift Pattern	On
Cold Shift Pattern	Off
Hot Mode (Transmission)	Off
Trailing/Hauling Shift Pattern	Off
Engine in Default Mode Shift Pattern	Off
Engine Run Time	00:10:39 hh:mm:ss
Retarder Requested	Not Available %
Retarder Temperature	Not Available °F
PS2 LU Cycling Failure	False
PS2 Current D/C Failure	False
PS2 Cumulative D/C Failure	False
PS2 Cumulative D/C Reset Count	0
Trans. Oil Life Remaining	-1 %
SPN 1121 (EBS Brk Switch): Invalid	Not Failed
SPN 1121 (EBS Brk Switch): Error	Not Failed
SPN 1121 (EBS Brk Switch): Timeout	Not Failed
SPN 597 (CCVS Brk Switch): Invalid	Not Failed
SPN 597 (CCVS Brk Switch): Error	Not Failed
SPN 597 (CCVS Brk Switch): Timeout	Not Failed
Gear Shift Module Incompatible with Prognostics Features	False
J1939 SPN 91: Accelerator Pedal Position	Failed
J1939 SPN 92: Engine Percent Load	Failed
J1939 SPN 976: PTO State	Failed
J1939 SPN 527: Cruise Control States	Failed
J1939 SPN 110: Engine Coolant Temp	Failed
J1939 SPN 513: Actual Eng - % Torque	Failed

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J1939 SPN 512: Drvr's Dmnd Eng - % Trq	Failed
J1939 SPN 514: Nominal Friction - % Trq	Failed
J1939 SPN 2432: Eng Demand - % Trq	Failed
J1587 PID 91: % Accel Pedal Position	Failed
J1587 PID 92: % Engine Load	Failed
J1587 PID 110: Engine Coolant Temp	Failed
J1587 PID 85: Cruise Control Status	Failed
Number of Current Malfunctions	2
Oil Level Sensor Voltage	2.75 V
Mode Button Status (via CAN1)	Off
Active Shift Selector	Primary Selector
SEM/LRTP Compatibility	Not Compatible
SEM Validated	ECM doesn't support
SEM	
LRTP Validated	ECM doesn't support
LRTP	
Engine Torque Rating too High for Transmission	Acceptable
SEM Torque Reduction Status	Correct Response
LRTP Torque Reduction Status	Correct Response
Unapproved SEM Torque Reducing Device	N/A
Unapproved LRTP Torque Reducing Device	N/A
U0115--Lost Communication with ECM/PCM B (CAN1/J1939)	
Diagnostic Trouble Code	C115
Distance (since last code clear) at First Failure	0 miles
Distance (since last code clear) at Last Failure	0 miles
Failure Record Fail Ignition Cycle Counter	0
Failure Record Pass Ignition Cycle Counter	0
Failure Record Not Run Ignition Cycle Counter	0
Gear Selected	2nd
Gear Commanded	Neutral
Current Gear	Neutral
Previous Gear	Neutral
TCM Battery Voltage	11.8 V
Trans Fluid Temperature (TFT)	113.0 °F
Trans Input Shaft Speed	1494 rpm
Trans Output Shaft Speed	0 rpm
Turbine Speed	1286 rpm
Diagnostic Transmission Gear Ratio	8.0
Accelerator Effective Position	0.0 %
Main Mod Solenoid Commanded Pressure	232.06 psi
PCS 1 Commanded Pressure	0.0 psi
PCS 2 Commanded Pressure	0.0 psi
PCS 3 Commanded Pressure	0.0 psi
PCS 4 Commanded Pressure	0.0 psi
PCS 5 Commanded Pressure	0.0 psi
PCS 6 Commanded Pressure	0.0 psi
TCC PCS Commanded Pressure	0.0 psi
Pressure Switch 1	Exhausted/Close
Pressure Switch 2	Exhausted/Close
Shift Solenoid 1 Status	Off
Shift Solenoid 2 Status	Off
TCM Substrate Temperature	102.2 °F
Driver Demand Engine Torque	-75.23 ft-lb
Engine Torque	-75.23 ft-lb
Requested Torque Reduction	0.0 ft-lb
Normal Shift Pattern	On
Cold Shift Pattern	Off
Hot Mode (Transmission)	Off
Trailer/Hauling Shift Pattern	Off
Engine in Default Mode Shift Pattern	Off
Engine Run Time	00:10:34 hh:mm:ss

Retarder Requested	Not Available %
Retarder Temperature	Not Available °F
PS2 LU Cycling Failure	False
PS2 Current D/C Failure	False
PS2 Cumulative D/C Failure	False
PS2 Cumulative D/C Reset Count	0
Trans. Oil Life Remaining	-1 %
SPN 1121 (EBS Brk Switch): Invalid	Not Failed
SPN 1121 (EBS Brk Switch): Error	Not Failed
SPN 1121 (EBS Brk Switch): Timeout	Not Failed
SPN 597 (CCVS Brk Switch): Invalid	Not Failed
SPN 597 (CCVS Brk Switch): Error	Not Failed
SPN 597 (CCVS Brk Switch): Timeout	Not Failed
Gear Shift Module Incompatible with Prognostics Features	False
J1939 SPN 91: Accelerator Pedal Position	Failed
J1939 SPN 92: Engine Percent Load	Failed
J1939 SPN 976: PTO State	Failed
J1939 SPN 527: Cruise Control States	Failed
J1939 SPN 110: Engine Coolant Temp	Failed
J1939 SPN 513: Actual Eng - % Torque	Failed
J1939 SPN 512: Drvr's Dmnd Eng - % Trq	Failed
J1939 SPN 514: Nominal Friction - % Trq	Failed
J1939 SPN 2432: Eng Demand - % Trq	Failed
J1587 PID 91: % Accel Pedal Position	Failed
J1587 PID 92: % Engine Load	Failed
J1587 PID 110: Engine Coolant Temp	Failed
J1587 PID 85: Cruise Control Status	Failed
Number of Current Malfunctions	1
Oil Level Sensor Voltage	2.75 V
Mode Button Status (via CAN1)	Off
Active Shift Selector	Primary Selector
SEM/LRTP Compatibility	Not Compatible
SEM Validated	ECM doesn't support
SEM	
LRTP Validated	ECM doesn't support
LRTP	
Engine Torque Rating too High for Transmission	Acceptable
SEM Torque Reduction Status	Correct Response
LRTP Torque Reduction Status	Correct Response
Unapproved SEM Torque Reducing Device	N/A
Unapproved LRTP Torque Reducing Device	N/A
P0614--Torque Control Data Mismatch ECM/TCM	
Diagnostic Trouble Code	0614
Distance (since last code clear) at First Failure	0 miles
Distance (since last code clear) at Last Failure	0 miles
Failure Record Fail Ignition Cycle Counter	0
Failure Record Pass Ignition Cycle Counter	0
Failure Record Not Run Ignition Cycle Counter	0
Gear Selected	2nd
Gear Commanded	Neutral
Current Gear	Neutral
Previous Gear	Neutral
TCM Battery Voltage	11.6 V
Trans Fluid Temperature (TFT)	113.0 °F
Trans Input Shaft Speed	1494 rpm
Trans Output Shaft Speed	0 rpm
Turbine Speed	1286 rpm
Diagnostic Transmission Gear Ratio	8.0
Accelerator Effective Position	0.0 %
Main Mod Solenoid Commanded Pressure	232.06 psi
PCS 1 Commanded Pressure	0.0 psi

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PCS 2 Commanded Pressure	0.0 psi
PCS 3 Commanded Pressure	43.15 psi
PCS 4 Commanded Pressure	1.45 psi
PCS 5 Commanded Pressure	0.0 psi
PCS 6 Commanded Pressure	0.0 psi
TCC PCS Commanded Pressure	0.0 psi
Pressure Switch 1	Exhausted/Close
Pressure Switch 2	Exhausted/Close
Shift Solenoid 1 Status	Off
Shift Solenoid 2 Status	Off
TCM Substrate Temperature	102.2 °F
Driver Demand Engine Torque	-75.23 ft-lb
Engine Torque	-75.23 ft-lb
Requested Torque Reduction	0.0 ft-lb
Normal Shift Pattern	On
Cold Shift Pattern	Off
Hot Mode (Transmission)	Off
Trailer/Hauling Shift Pattern	Off
Engine in Default Mode Shift Pattern	Off
Engine Run Time	00:10:25 hh:mm:ss
Retarder Requested	Not Available %
Retarder Temperature	Not Available °F
PS2 LU Cycling Failure	False
PS2 Current D/C Failure	False
PS2 Cumulative D/C Failure	False
PS2 Cumulative D/C Reset Count	0
Trans. Oil Life Remaining	-1 %
SPN 1121 (EBS Brk Switch): Invalid	Not Failed
SPN 1121 (EBS Brk Switch): Error	Not Failed
SPN 1121 (EBS Brk Switch): Timeout	Not Failed
SPN 597 (CCVS Brk Switch): Invalid	Not Failed
SPN 597 (CCVS Brk Switch): Error	Not Failed
SPN 597 (CCVS Brk Switch): Timeout	Not Failed
Gear Shift Module Incompatible with Prognostics Features	False
J1939 SPN 91: Accelerator Pedal Position	Failed
J1939 SPN 92: Engine Percent Load	Failed
J1939 SPN 976: PTO State	Failed
J1939 SPN 527: Cruise Control States	Failed
J1939 SPN 110: Engine Coolant Temp	Failed
J1939 SPN 513: Actual Eng - % Torque	Failed
J1939 SPN 512: Drvr's Dmnd Eng - % Trq	Failed
J1939 SPN 514: Nominal Friction - % Trq	Failed
J1939 SPN 2432: Eng Demand - % Trq	Failed
J1587 PID 91: % Accel Pedal Position	Failed
J1587 PID 92: % Engine Load	Failed
J1587 PID 110: Engine Coolant Temp	Failed
J1587 PID 85: Cruise Control Status	Failed
Number of Current Malfunctions	0
Oil Level Sensor Voltage	2.63 V
Mode Button Status (via CAN1)	Off
Active Shift Selector	Primary Selector
SEM/LRTP Compatibility	Not Compatible
SEM Validated	ECM doesn't support
SEM	
LRTP Validated	ECM doesn't support
LRTP	
Engine Torque Rating too High for Transmission	Acceptable
SEM Torque Reduction Status	Correct Response
LRTP Torque Reduction Status	Correct Response
Unapproved SEM Torque Reducing Device	N/A
Unapproved LRTP Torque Reducing Device	N/A

Adaptive Shifts

Garage Shift

D-R Oncoming Clutch Volume	41.00 cc
D-R Minimum Oncoming Clutch Volume	0.00 cc
D-R Oncoming Clutch Pressure	43.73 psi
D-R Oncoming Fill Delay	0.45 Seconds
N-R Oncoming Clutch Volume	38.00 cc
N-R Minimum Oncoming Clutch Volume	0.00 cc
N-R Oncoming Clutch Pressure	44.15 psi
R-N Off-Going Pressure	32.07 psi
N-1 Oncoming Clutch Volume	102.00 cc
N-1 Minimum Oncoming Clutch Volume	0.00 cc
N-1 Oncoming Clutch Pressure	62.31 psi
R-1 Oncoming Clutch Volume	104.00 cc
R-1 Minimum Oncoming Clutch Volume	0.00 cc
R-1 Oncoming Clutch Pressure	63.53 psi
R-1 Oncoming Fill Delay	0.45 Seconds
N-R Adapt - Pattern 0	Not Converged
N-1 Adapt - Pattern 0	Not Converged
N-2 Adapt - Pattern 0	Not Converged
D-R Adapt - Pattern 0	Not Converged
R-1 Adapt - Pattern 0	Not Converged
R-2 Adapt - Pattern 0	Not Converged

1-2

1-2 Pattern 0 Oncoming Clutch Volume	30.00 cc
1-2 Pattern 0 Oncoming Pressure Region 0	50.04 psi
1-2 Pattern 0 Oncoming Pressure Region 1	85.43 psi
1-2 Pattern 0 Oncoming Pressure Region 2	107.47 psi
1-2 Pattern 0 Offgoing Pressure Region 0	34.81 psi
1-2 Pattern 0 Offgoing Pressure Region 1	36.98 psi
1-2 Pattern 0 Offgoing Pressure Region 2	36.69 psi
1-2 Pattern 1 Oncoming Clutch Volume	30.00 cc
1-2 Pattern 1 Oncoming Pressure Region 0	50.04 psi
1-2 Pattern 1 Oncoming Pressure Region 1	85.43 psi
1-2 Pattern 1 Oncoming Pressure Region 2	107.47 psi
1-2 Pattern 1 Offgoing Pressure Region 0	34.81 psi
1-2 Pattern 1 Offgoing Pressure Region 1	36.98 psi
1-2 Pattern 1 Offgoing Pressure Region 2	36.69 psi
1-2 Adapt - Pattern 0 Region 0	Not Converged
1-2 Adapt - Pattern 0 Region 1	Not Converged
1-2 Adapt - Pattern 0 Region 2	Not Converged
1-2 Adapt - Pattern 1 Region 0	Not Converged
1-2 Adapt - Pattern 1 Region 1	Not Converged
1-2 Adapt - Pattern 1 Region 2	Not Converged
1-2 Adapt - Pattern 2 Region 0	Not Converged
1-2 Adapt - Pattern 2 Region 1	Not Converged
1-2 Adapt - Pattern 2 Region 2	Not Converged

2_1

2-1 Pattern 0 Full Throttle On-Coming Pressure	51.78 psi
2-1 Pattern 0 Part Throttle On-Coming Pressure	54.68 psi
2-1 Pattern 0 Step-Thru On-Coming Pressure	54.10 psi
2-1 Pattern 0 Full Throttle Off-Going Pressure Step	7.90 psi
2-1 Pattern 0 Part Throttle Off-Going Pressure Step	7.90 psi

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2-1 Pattern 0 Step-Thru Off-Going Pressure Step	8.23 psi
2-1 Pattern 0 Closed Throttle On-Coming Clutch Volume	106.00 cc
2-1 Pattern 0 Pre-Select On-Coming Clutch Volume	90.00 cc
2-1 Pattern 0 Closed Throttle On-Coming Pressure	58.02 psi
2-1 Pattern 0 Pre-Select On-Coming Pressure	46.41 psi
2-1 Pattern 0 Step-Thru Off-Going Pressure	75.56 psi
2-1 Pattern 1 Full Throttle On-Coming Pressure	51.78 psi
2-1 Pattern 1 Part Throttle On-Coming Pressure	54.68 psi
2-1 Pattern 1 Step-Thru On-Coming Pressure	51.78 psi
2-1 Pattern 1 Full Throttle Off-Going Pressure Step	7.90 psi
2-1 Pattern 1 Part Throttle Off-Going Pressure Step	7.90 psi
2-1 Pattern 1 Step-Thru Off-Going Pressure Step	9.99 psi
2-1 Pattern 1 Closed Throttle On-Coming Clutch Volume	90.00 cc
2-1 Pattern 1 Pre-Select On-Coming Clutch Volume	90.00 cc
2-1 Pattern 1 Closed Throttle On-Coming Pressure	38.14 psi
2-1 Pattern 1 Pre-Select On-Coming Pressure	46.41 psi
2-1 Pattern 1 Step-Thru Off-Going Pressure	71.65 psi
2-1 Adapt - Pattern 0 Full Throttle	Not Converged
2-1 Adapt - Pattern 0 Part Throttle	Not Converged
2-1 Adapt - Pattern 0 Step-Through	Not Converged
2-1 Adapt - Pattern 0 Closed Throttle	Not Converged
2-1 Adapt - Pattern 0 Pre-select	Not Converged
2-1 Adapt - Pattern 1 Full Throttle	Not Converged
2-1 Adapt - Pattern 1 Part Throttle	Not Converged
2-1 Adapt - Pattern 1 Step-Through	Not Converged
2-1 Adapt - Pattern 1 Closed Throttle	Not Converged
2-1 Adapt - Pattern 1 Pre-select	Not Converged

2_3

2-3 Pattern 0 Oncoming Clutch Volume	36.00 cc
2-3 Pattern 0 Oncoming Pressure Region 0	47.14 psi
2-3 Pattern 0 Oncoming Pressure Region 1	54.10 psi
2-3 Pattern 0 Oncoming Pressure Region 2	65.70 psi
2-3 Pattern 0 Offgoing Pressure Region 0	58.31 psi
2-3 Pattern 0 Offgoing Pressure Region 1	62.37 psi
2-3 Pattern 0 Offgoing Pressure Region 2	66.72 psi
2-3 Pattern 1 Oncoming Clutch Volume	36.00 cc
2-3 Pattern 1 Oncoming Pressure Region 0	47.14 psi
2-3 Pattern 1 Oncoming Pressure Region 1	54.10 psi
2-3 Pattern 1 Oncoming Pressure Region 2	65.70 psi
2-3 Pattern 1 Offgoing Pressure Region 0	58.31 psi
2-3 Pattern 1 Offgoing Pressure Region 1	62.37 psi
2-3 Pattern 1 Offgoing Pressure Region 2	66.72 psi
2-3 Adapt - Pattern 0 Region 0	Not Converged
2-3 Adapt - Pattern 0 Region 1	Not Converged
2-3 Adapt - Pattern 0 Region 2	Not Converged
2-3 Adapt - Pattern 1 Region 0	Not Converged
2-3 Adapt - Pattern 1 Region 1	Not Converged
2-3 Adapt - Pattern 1 Region 2	Not Converged
2-3 Adapt - Pattern 2 Region 0	Not Converged
2-3 Adapt - Pattern 2 Region 1	Not Converged
2-3 Adapt - Pattern 2 Region 2	Not Converged

3_2

3-2 Pattern 0 Full Throttle On-Coming Pressure	42.64 psi
3-2 Pattern 0 Part Throttle On-Coming Pressure	42.64 psi
3-2 Pattern 0 Step-Thru On-Coming Pressure	42.79 psi
3-2 Pattern 0 Full Throttle Off-Going Pressure Step	5.09 psi
3-2 Pattern 0 Part Throttle Off-Going Pressure Step	5.09 psi

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3-2 Pattern 0 Step-Thru Off-Going Pressure Step	7.72 psi
3-2 Pattern 0 Closed Throttle On-Coming Clutch Volume	32.00 cc
3-2 Pattern 0 Pre-Select On-Coming Clutch Volume	29.00 cc
3-2 Pattern 0 Closed Throttle On-Coming Pressure	44.96 psi
3-2 Pattern 0 Pre-Select On-Coming Pressure	62.22 psi
3-2 Pattern 0 Step-Thru Off-Going Pressure	61.64 psi
3-2 Pattern 1 Full Throttle On-Coming Pressure	43.80 psi
3-2 Pattern 1 Part Throttle On-Coming Pressure	43.80 psi
3-2 Pattern 1 Step-Thru On-Coming Pressure	44.24 psi
3-2 Pattern 1 Full Throttle Off-Going Pressure Step	5.02 psi
3-2 Pattern 1 Part Throttle Off-Going Pressure Step	5.09 psi
3-2 Pattern 1 Step-Thru Off-Going Pressure Step	6.49 psi
3-2 Pattern 1 Closed Throttle On-Coming Clutch Volume	31.00 cc
3-2 Pattern 1 Pre-Select On-Coming Clutch Volume	26.00 cc
3-2 Pattern 1 Closed Throttle On-Coming Pressure	49.31 psi
3-2 Pattern 1 Pre-Select On-Coming Pressure	62.22 psi
3-2 Pattern 1 Step-Thru Off-Going Pressure	63.82 psi
3-2 Adapt - Pattern 0 Full Throttle	Not Converged
3-2 Adapt - Pattern 0 Part Throttle	Not Converged
3-2 Adapt - Pattern 0 Step-Through	Not Converged
3-2 Adapt - Pattern 0 Closed Throttle	Not Converged
3-2 Adapt - Pattern 0 Pre-select	Not Converged
3-2 Adapt - Pattern 1 Full Throttle	Not Converged
3-2 Adapt - Pattern 1 Part Throttle	Not Converged
3-2 Adapt - Pattern 1 Step-Through	Not Converged
3-2 Adapt - Pattern 1 Closed Throttle	Not Converged
3-2 Adapt - Pattern 1 Pre-select	Not Converged
3-2 Adapt - Pattern 2 Closed Throttle	Not Converged

3_4

3-4 Pattern 0 Oncoming Clutch Volume	44.00 cc
3-4 Pattern 0 Oncoming Pressure Region 0	134.45 psi
3-4 Pattern 0 Oncoming Pressure Region 0	134.45 psi
3-4 Pattern 0 Oncoming Pressure Region 2	143.44 psi
3-4 Pattern 0 Offgoing Pressure Region 0	33.36 psi
3-4 Pattern 0 Offgoing Pressure Region 1	32.49 psi
3-4 Pattern 0 Offgoing Pressure Region 2	31.47 psi
3-4 Pattern 1 Oncoming Clutch Volume	44.00 cc
3-4 Pattern 1 Oncoming Pressure Region 0	134.45 psi
3-4 Pattern 1 Oncoming Pressure Region 1	143.44 psi
3-4 Pattern 1 Oncoming Pressure Region 2	148.08 psi
3-4 Pattern 1 Offgoing Pressure Region 0	33.36 psi
3-4 Pattern 1 Offgoing Pressure Region 1	32.49 psi
3-4 Pattern 1 Offgoing Pressure Region 2	31.47 psi
3-4 Adapt - Pattern 0 Region 0	Not Converged
3-4 Adapt - Pattern 0 Region 1	Not Converged
3-4 Adapt - Pattern 0 Region 2	Not Converged
3-4 Adapt - Pattern 1 Region 0	Not Converged
3-4 Adapt - Pattern 1 Region 1	Not Converged
3-4 Adapt - Pattern 1 Region 2	Not Converged
3-4 Adapt - Pattern 2 Region 0	Not Converged
3-4 Adapt - Pattern 2 Region 1	Not Converged
3-4 Adapt - Pattern 2 Region 2	Not Converged

4_3

4-3 Pattern 0 Full Throttle On-Coming Pressure	42.21 psi
4-3 Pattern 0 Part Throttle On-Coming Pressure	42.21 psi
4-3 Pattern 0 Step-Thru On-Coming Pressure	41.92 psi
4-3 Pattern 0 Full Throttle Off-Going Pressure Step	14.36 psi

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4-3 Pattern 0 Part Throttle Off-Going Pressure Step	14.36 psi
4-3 Pattern 0 Step-Thru Off-Going Pressure Step	16.55 psi
4-3 Pattern 0 Closed Throttle On-Coming Clutch Volume	50.00 cc
4-3 Pattern 0 Pre-Select On-Coming Clutch Volume	51.00 cc
4-3 Pattern 0 Closed Throttle On-Coming Pressure	38.73 psi
4-3 Pattern 0 Pre-Select On-Coming Pressure	42.64 psi
4-3 Pattern 0 Step-Thru Off-Going Pressure	138.08 psi
4-3 Pattern 1 Full Throttle On-Coming Pressure	42.21 psi
4-3 Pattern 1 Part Throttle On-Coming Pressure	42.35 psi
4-3 Pattern 1 Step-Thru On-Coming Pressure	42.64 psi
4-3 Pattern 1 Full Throttle Off-Going Pressure Step	12.51 psi
4-3 Pattern 1 Part Throttle Off-Going Pressure Step	14.49 psi
4-3 Pattern 1 Step-Thru Off-Going Pressure Step	16.48 psi
4-3 Pattern 1 Closed Throttle On-Coming Clutch Volume	53.00 cc
4-3 Pattern 1 Pre-Select On-Coming Clutch Volume	51.00 cc
4-3 Pattern 1 Closed Throttle On-Coming Pressure	43.08 psi
4-3 Pattern 1 Pre-Select On-Coming Pressure	42.64 psi
4-3 Pattern 1 Step-Thru Off-Going Pressure	141.56 psi
4-3 Adapt - Pattern 0 Full Throttle	Not Converged
4-3 Adapt - Pattern 0 Part Throttle	Not Converged
4-3 Adapt - Pattern 0 Step-Through	Not Converged
4-3 Adapt - Pattern 0 Closed Throttle	Not Converged
4-3 Adapt - Pattern 0 Pre-select	Not Converged
4-3 Adapt - Pattern 1 Full Throttle	Not Converged
4-3 Adapt - Pattern 1 Part Throttle	Not Converged
4-3 Adapt - Pattern 1 Step-Through	Not Converged
4-3 Adapt - Pattern 1 Closed Throttle	Not Converged
4-3 Adapt - Pattern 1 Pre-select	Not Converged
4-3 Adapt - Pattern 2 Closed Throttle	Not Converged

4_5

4-5 Pattern 0 Oncoming Clutch volume	49.00 cc
4-5 Pattern 0 Oncoming Pressure Region 0	41.92 psi
4-5 Pattern 0 Oncoming Pressure Region 1	44.24 psi
4-5 Pattern 0 Oncoming Pressure Region 2	47.86 psi
4-5 Pattern 0 Offgoing Pressure Region 0	24.80 psi
4-5 Pattern 0 Offgoing Pressure Region 1	25.67 psi
4-5 Pattern 0 Offgoing Pressure Region 2	25.67 psi
4-5 Pattern 1 Oncoming Clutch Volume	49.00 cc
4-5 Pattern 1 Oncoming Pressure Region 0	41.92 psi
4-5 Pattern 1 Oncoming Pressure Region 1	44.24 psi
4-5 Pattern 1 Oncoming Pressure Region 2	47.86 psi
4-5 Pattern 1 Offgoing Pressure Region 0	24.80 psi
4-5 Pattern 1 Offgoing Pressure Region 1	25.67 psi
4-5 Pattern 1 Offgoing Pressure Region 2	25.67 psi
4-5 Adapt - Pattern 0 Region 0	Not Converged
4-5 Adapt - Pattern 0 Region 1	Not Converged
4-5 Adapt - Pattern 0 Region 2	Not Converged
4-5 Adapt - Pattern 1 Region 0	Not Converged
4-5 Adapt - Pattern 1 Region 1	Not Converged
4-5 Adapt - Pattern 1 Region 2	Not Converged
4-5 Adapt - Pattern 2 Region 0	Not Converged
4-5 Adapt - Pattern 2 Region 1	Not Converged
4-5 Adapt - Pattern 2 Region 2	Not Converged

5_4

5-4 Pattern 0 Full Throttle On-Coming Pressure	53.81 psi
5-4 Pattern 0 Part Throttle On-Coming Pressure	53.81 psi
5-4 Pattern 0 Step-Thru On-Coming Pressure	53.95 psi

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5-4 Pattern 0 Full Throttle Off-Going Pressure Step	6.25 psi
5-4 Pattern 0 Part Throttle Off-Going Pressure Step	6.25 psi
5-4 Pattern 0 Step-Thru Off-Going Pressure Step	6.98 psi
5-4 Pattern 0 Closed Throttle On-Coming Clutch Volume	88.00 cc
5-4 Pattern 0 Pre-Select On-Coming Clutch Volume	95.00 cc
5-4 Pattern 0 Closed Throttle On-Coming Pressure	44.82 psi
5-4 Pattern 0 Pre-Select On-Coming Pressure	44.67 psi
5-4 Pattern 0 Step-Thru Off-Going Pressure	56.42 psi
5-4 Pattern 1 Full Throttle On-Coming Pressure	53.66 psi
5-4 Pattern 1 Part Throttle On-Coming Pressure	54.24 psi
5-4 Pattern 1 Step-Thru On-Coming Pressure	53.81 psi
5-4 Pattern 1 Full Throttle Off-Going Pressure Step	7.07 psi
5-4 Pattern 1 Part Throttle Off-Going Pressure Step	6.56 psi
5-4 Pattern 1 Step-Thru Off-Going Pressure Step	7.52 psi
5-4 Pattern 1 Closed Throttle On-Coming Clutch Volume	94.00 cc
5-4 Pattern 1 Pre-Select On-Coming Clutch Volume	101.00 cc
5-4 Pattern 1 Closed Throttle On-Coming Pressure	49.17 psi
5-4 Pattern 1 Pre-Select On-Coming Pressure	44.67 psi
5-4 Pattern 1 Step-Thru Off-Going Pressure	57.14 psi
5-4 Adapt - Pattern 0 Full Throttle	Not Converged
5-4 Adapt - Pattern 0 Part Throttle	Not Converged
5-4 Adapt - Pattern 0 Step-Through	Not Converged
5-4 Adapt - Pattern 0 Closed Throttle	Not Converged
5-4 Adapt - Pattern 0 Pre-select	Not Converged
5-4 Adapt - Pattern 1 Full Throttle	Not Converged
5-4 Adapt - Pattern 1 Part Throttle	Not Converged
5-4 Adapt - Pattern 1 Step-Through	Not Converged
5-4 Adapt - Pattern 1 Closed Throttle	Not Converged
5-4 Adapt - Pattern 1 Pre-select	Not Converged
5-4 Adapt - Pattern 2 Closed Throttle	Not Converged

5_6

5-6 Pattern 0 Oncoming Clutch Volume	35.00 cc
5-6 Pattern 0 Oncoming Pressure Region 0	40.03 psi
5-6 Pattern 0 Oncoming Pressure Region 1	46.99 psi
5-6 Pattern 0 Oncoming Pressure Region 2	54.24 psi
5-6 Pattern 0 Offgoing Pressure Region 0	31.47 psi
5-6 Pattern 0 Offgoing Pressure Region 1	32.63 psi
5-6 Pattern 0 Offgoing Pressure Region 2	31.04 psi
5-6 Pattern 1 Oncoming Clutch Volume	35.00 cc
5-6 Pattern 1 Oncoming Pressure Region 0	40.03 psi
5-6 Pattern 1 Oncoming Pressure Region 1	46.99 psi
5-6 Pattern 1 Oncoming Pressure Region 2	54.24 psi
5-6 Pattern 1 Offgoing Pressure Region 0	31.47 psi
5-6 Pattern 1 Offgoing Pressure Region 1	32.63 psi
5-6 Pattern 1 Offgoing Pressure Region 2	31.04 psi
5-6 Adapt - Pattern 0 Region 0	Not Converged
5-6 Adapt - Pattern 0 Region 1	Not Converged
5-6 Adapt - Pattern 0 Region 2	Not Converged
5-6 Adapt - Pattern 1 Region 0	Not Converged
5-6 Adapt - Pattern 1 Region 1	Not Converged
5-6 Adapt - Pattern 1 Region 2	Not Converged
5-6 Adapt - Pattern 2 Region 0	Not Converged
5-6 Adapt - Pattern 2 Region 1	Not Converged
5-6 Adapt - Pattern 2 Region 2	Not Converged

6_5

6-5 Pattern 0 Full Throttle On-Coming Pressure	45.54 psi
6-5 Pattern 0 Part Throttle On-Coming Pressure	45.54 psi
6-5 Pattern 0 Step-Thru On-Coming Pressure	45.11 psi
6-5 Pattern 0 Full Throttle Off-Going Pressure Step	3.97 psi
6-5 Pattern 0 Part Throttle Off-Going Pressure Step	3.97 psi
6-5 Pattern 0 Step-Thru Off-Going Pressure Step	4.66 psi

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6-5 Pattern 0	Closed Throttle On-Coming Clutch Volume	53.00 cc
6-5 Pattern 0	Pre-Select On-Coming Clutch Volume	50.00 cc
6-5 Pattern 0	Closed Throttle On-Coming Pressure	38.73 psi
6-5 Pattern 0	Pre-Select On-Coming Pressure	39.31 psi
6-5 Pattern 0	Step-Thru Off-Going Pressure	63.82 psi
6-5 Pattern 1	Full Throttle On-Coming Pressure	44.82 psi
6-5 Pattern 1	Part Throttle On-Coming Pressure	45.40 psi
6-5 Pattern 1	Step-Thru On-Coming Pressure	44.67 psi
6-5 Pattern 1	Full Throttle Off-Going Pressure Step	3.44 psi
6-5 Pattern 1	Part Throttle Off-Going Pressure Step	4.90 psi
6-5 Pattern 1	Step-Thru Off-Going Pressure Step	4.86 psi
6-5 Pattern 1	Closed Throttle On-Coming Clutch Volume	54.00 cc
6-5 Pattern 1	Pre-Select On-Coming Clutch Volume	53.00 cc
6-5 Pattern 1	Closed Throttle On-Coming Pressure	43.08 psi
6-5 Pattern 1	Pre-Select On-Coming Pressure	39.31 psi
6-5 Pattern 1	Step-Thru Off-Going Pressure	63.38 psi
6-5 Adapt - Pattern 0	Full Throttle	Not Converged
6-5 Adapt - Pattern 0	Part Throttle	Not Converged
6-5 Adapt - Pattern 0	Step-Through	Not Converged
6-5 Adapt - Pattern 0	Closed Throttle	Not Converged
6-5 Adapt - Pattern 0	Pre-select	Not Converged
6-5 Adapt - Pattern 1	Full Throttle	Not Converged
6-5 Adapt - Pattern 1	Part Throttle	Not Converged
6-5 Adapt - Pattern 1	Step-Through	Not Converged
6-5 Adapt - Pattern 1	Closed Throttle	Not Converged
6-5 Adapt - Pattern 1	Pre-select	Not Converged
6-5 Adapt - Pattern 2	Closed Throttle	Not Converged

Code	Description	Since Clear	Since
Powerup	-----	-----	
P063E	Auto Configuration Throttle Input Not Present	Test Failed/Not	PerfTest
Failed/Not	Performed		
P0122	Pedal Position Sensor Low Voltage	Test Failed/Not	PerfTest
Failed/Not	Performed		
P0123	Pedal Position Sensor High Voltage	Test Failed/Not	PerfTest
Failed/Not	Performed		
P1891	Throttle Position Sensor PWM Signal Low Input	Test Failed/Not	PerfTest
Failed/Not	Performed		
P1892	Throttle Position Sensor PWM Signal High Input	Test Failed/Not	PerfTest
Failed/Not	Performed		
P0218	Transmission Over Temperature Condition	Test Passed	Test
Passed			
P0711	Transmission Fluid Temperature Sensor Circuit PeTest	Failed/Not	PerfTest
Failed/Not	Performed		
P0712	Transmission Fluid Temperature Sensor Circuit LoTest	Passed	Test
Passed			
P0713	Transmission Fluid Temperature Sensor Circuit HiTest	Passed	Test
Passed			
P0634	TCM Internal Temperature Too High	Test Passed	Test
Passed			
P2740	Retarder Oil Temperature Hot	Test Failed/Not	PerfTest
Failed/Not	Performed		
P2742	Retarder Oil Temperature Sensor Circuit - Low InTest	Failed/Not	PerfTest
Failed/Not	Performed		
P2743	Retarder Oil Temperature Sensor Circuit - High ITest	Failed/Not	PerfTest
Failed/Not	Performed		
P070C	Transmission Fluid Level Sensor Circuit Low InpuTest	Passed	Test
Passed			
P070D	Transmission Fluid Level Sensor Circuit High InpTest	Passed	Test
Passed			

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P2184	Engine Coolant Temperature Sensor Circuit Low	Test Failed/Not PerfTest	
Failed/Not Performed			
P2185	Engine Coolant Temperature Sensor Circuit High	Test Failed/Not PerfTest	
Failed/Not Performed			
P063F	Auto Configuration Engine Coolant Temp Input	noTest Failed/Not PerfTest	
Failed/Not Performed			
P0562	System Voltage Low	Test Passed	Test
Passed			
P0880	TCM Power Input Signal	Test Failed/Not PerfTest	
Failed/Not Performed			
P0881	TCM Power Input Signal Performance (Battery Volt	Test Passed	Test
Passed			
P0882	TCM Power Input Signal Low (Battery Voltage)	Test Passed	Test
Passed			
P0883	TCM Power Input Signal High (Battery Voltage)	Test Passed	Test
Passed			
P0751	Shift Solenoid 1 Valve Performance Stuck Off	Test Failed/Not PerfTest	
Failed/Not Performed			
P0752	Shift Solenoid 1 Valve Performance Stuck On	Test Failed/Not PerfTest	
Failed/Not Performed			
P0973	Shift Solenoid 1 Control circuit Low	Test Passed	Test
Passed			
P0974	Shift Solenoid 1 Control Circuit High	Test Passed	Test
Passed			
P0976	Shift Solenoid 2 Control circuit Low	Test Failed/Not PerfTest	
Failed/Not Performed			
P0975	Shift Solenoid 2 Control Circuit Open	Test Failed/Not PerfTest	
Failed/Not Performed			
P0977	Shift Solenoid 2 Control Circuit High	Test Failed/Not PerfTest	
Failed/Not Performed			
P0960	Main Pressure Modulation Solenoid Control Circui	Test Passed	Test
Passed			
P0961	Main Pressure Modulation Solenoid System Perform	Test Failed/Not PerfTest	
Failed/Not Performed			
P0962	Main Pressure Modulation Solenoid Control Circui	Test Passed	Test
Passed			
P0963	Main Pressure Modulation Solenoid Control Circui	Test Passed	Test
Passed			
P2723	Pressure Control Solenoid 1 Controlled Clutch St	Test Failed/Not PerfTest	
Failed/Not Performed			
P2724	Pressure Control Solenoid 1 Controlled Clutch St	Test Failed/Not PerfTest	
Failed/Not Performed			
P2727	Pressure Control (PC) Solenoid 1 System Open	Test Passed	Test
Passed			
P2729	Pressure Control (PC) Solenoid 1 Control Circuit	Test Passed	Test
Passed			
P2730	Pressure Control (PC) Solenoid 1 Control Circuit	Test Passed	Test
Passed			
P0776	Pressure Control Solenoid 2 Controlled Clutch St	Test Failed/Not PerfTest	
Failed/Not Performed			
P0777	Pressure Control Solenoid 2 Controlled Clutch St	Test Failed/Not PerfTest	
Failed/Not Performed			
P0964	Pressure Control (PC) Solenoid 2 Control Circuit	Test Passed	Test
Passed			
P0966	Pressure Control (PC) Solenoid 2 Control Circuit	Test Passed	Test
Passed			
P0967	Pressure Control (PC) Solenoid 2 Control Circuit	Test Passed	Test
Passed			
P0796	Pressure Control Solenoid 3 Controlled Clutch St	Test Failed/Not PerfTest	
Failed/Not Performed			
P0797	Pressure Control Solenoid 3 Controlled Clutch St	Test Failed/Not PerfTest	
Failed/Not Performed			
P0968	Pressure Control (PC) Solenoid 3 Control Circuit	Test Passed	Test

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Passed			
P0970	Pressure Control (PC) Solenoid 3 Control Circuit	Test Passed	Test
Passed			
P0971	Pressure Control (PC) Solenoid 3 Control Circuit	Test Passed	Test
Passed			
P2714	Pressure Control Solenoid 4 Controlled Clutch St	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2715	Pressure Control Solenoid 4 Controlled Clutch St	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2718	Pressure Control (PC) Solenoid 4 System Open	Test Passed	Test
Passed			
P2720	Pressure Control (PC) Solenoid 4 Control Circuit	Test Passed	Test
Passed			
P2721	Pressure Control (PC) Solenoid 4 Control Circuit	Test Passed	Test
Passed			
P2736	Pressure Control (PC) Solenoid 5 System Open	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2738	Pressure Control (PC) Solenoid 5 Control Circuit	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2739	Pressure Control (PC) Solenoid 5 Control Circuit	Test Failed/Not Perf	Test
Failed/Not	Performed		
P0741	Torque Converter Clutch System Stuck Off	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2761	TCC PCS Control Circuit Open	Test Passed	Test
Passed			
P2763	TCC PCS Control Circuit High	Test Passed	Test
Passed			
P2764	TCC PCS Control Circuit Low	Test Passed	Test
Passed			
P2808	Pressure Control Solenoid 6 Controlled Clutch St	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2809	Pressure Control Solenoid 6 Controlled Clutch St	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2812	Pressure Control (PC) Solenoid 6 System Open	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2814	Pressure Control (PC) Solenoid 6 Control Circuit	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2815	Pressure Control (PC) Solenoid 6 Control Circuit	Test Failed/Not Perf	Test
Failed/Not	Performed		
P0659	Actuator Supply Voltage 1 High (HSD 1 batt)	Test Failed/Not Perf	Test
Failed/Not	Performed		
P0658	Actuator Supply Voltage 1 Low (HSD 1 gnd)	Test Passed	Test
Passed			
P2671	Actuator Supply Voltage 2 High (HSD 2 batt)	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2670	Actuator Supply Voltage 2 Low (HSD 2 gnd)	Test Passed	Test
Passed			
P2686	Actuator Supply Voltage 3 High (HSD 3 batt)	Test Failed/Not Perf	Test
Failed/Not	Performed		
P2685	Actuator Supply Voltage 3 Low (HSD 3 gnd)	Test Passed	Test
Passed			
P0708	Transmission Range Sensor Circuit High Input	Test Failed/Not Perf	Test
Failed/Not	Performed		
P0716	Turbine Speed Sensor Circuit Performance	Test Passed	Test
Passed			
P0717	Turbine Speed Sensor Circuit No Signal	Test Failed/Not Perf	Test
Failed/Not	Performed		
P0721	Output Speed Sensor Circuit Performance	Test Failed/Not Perf	Test
Failed/Not	Performed		
P0722	Output Speed Sensor Circuit No Signal	Test Failed/Not Perf	Test
Failed/Not	Performed		
P0726	Engine Speed Input Circuit Performance	Test Passed	Test
Passed			

P0727	Engine Speed Input Circuit No Signal	Test Passed	Test Passed
P0736	Incorrect Reverse Ratio	Test Failed/Not Performed	PerfTest
P1739	Incorrect Low Gear Ratio	Test Failed/Not Performed	PerfTest
P0731	Incorrect 1st Gear Ratio	Test Failed/Not Performed	PerfTest
P0732	Incorrect 2nd Gear Ratio	Test Failed/Not Performed	PerfTest
P0733	Incorrect 3rd Gear Ratio	Test Failed/Not Performed	PerfTest
P0734	Incorrect 4th Gear Ratio	Test Failed/Not Performed	PerfTest
P0735	Incorrect 5th Gear Ratio	Test Failed/Not Performed	PerfTest
P0729	Incorrect 6th Gear Ratio	Test Failed/Not Performed	PerfTest
P0842	Transmission Pressure Switch Solenoid 1 Circuit	Test Failed/Not Performed	PerfTest
P0843	Transmission Pressure Switch Solenoid 1 Circuit	Test Passed	Test Passed
P0847	Transmission Pressure Switch Solenoid 2 Circuit	Test Failed/Not Performed	PerfTest
P0848	Transmission Pressure Switch Solenoid 2 Circuit	Test Failed/Not Performed	PerfTest
P0989	Retarder Pressure Sensor Failed Low	Test Failed/Not Performed	PerfTest
P0990	Retarder Pressure Sensor Failed High	Test Failed/Not Performed	PerfTest
U1218	Please call 1-800-252-5283 for assistance.	Test Failed/Not Performed	PerfTest
P2637	Torque Management Feedback Signal (SEM)	Test Failed/Not Performed	PerfTest
P2641	Torque Management Feedback Signal (LRTP)	Test Failed/Not Performed	PerfTest
P0897	Transmission Fluid Deteriorated	Test Failed/Not Performed	PerfTest
P2789	Clutch Adaptive Learning at Limit	Test Passed	Test Passed
U0010	CAN Bus Reset Counter Overrun (CAN1/J1939)	Test Passed	Test Passed
U0115	Lost Communication with ECM/PCM B (CAN1/J1939)	Test Failed/Not Performed	PerfTest
P0614	Torque Control Data Mismatch ECM/TCM	Test Failed/Not Performed	PerfTest
U0100	Lost Communication with ECM/PCM A (CAN2/GMLAN or	Test Passed	Test Passed
U0103	Lost Communication with Gear Shift Module 1	Test Passed	Test Passed
U0404	Invalid Data Received from Gear Shift Control Mo	Test Passed	Test Passed
U0291	Lost Communication with Gear Shift Module 2	Test Failed/Not Performed	PerfTest
U0592	Invalid Data Received from Gear Shift Control Mo	Test Failed/Not Performed	PerfTest
P2793	Gear Shift Direction Circuit	Test Passed	Test Passed
P0604	TCM Processor Memory (RAM)	Test Passed	Test Passed
U0304	Incompatible Gear Shift Module 1 (Shift Selector	Test Passed	Test Passed
U0333	Incompatible Gear Shift Module 2 (Shift Selector	Test Failed/Not Performed	PerfTest

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Failed/Not Performed			
P0610	TCM Vehicle Options Error	Test Passed	Test
Passed			
P0702	Transmission Control System Electrical	Test Passed	Test
Passed			
P0703	Brake Switch Circuit	Test Failed/Not	PerfTest
Failed/Not Performed			
P278A	Kick-Down Switch Circuit	Test Failed/Not	PerfTest
Failed/Not Performed			
P0894	Transmission Component Slipping	Test Failed/Not	PerfTest
Failed/Not Performed			
P071D	General Purpose Input Fault	Test Failed/Not	PerfTest
Failed/Not Performed			
P071A	RELS Input Failed On	Test Failed/Not	PerfTest
Failed/Not Performed			
P2772	Four Wheel Drive Low Switch Circuit Performance	Test Failed/Not	PerfTest
Failed/Not Performed			
P088A	Transmission Fluid Filter Deteriorated	Test Failed/Not	PerfTest
Failed/Not Performed			
P088B	Transmission Fluid Filter Very Deteriorated	Test Failed/Not	PerfTest
Failed/Not Performed			
P0657	Actuator Supply voltage 1 Open (HSD 1 open)	Test Passed	Test
Passed			
P2669	Actuator Supply voltage 2 Open (HSD 2 open)	Test Passed	Test
Passed			
P2684	Actuator Supply voltage 3 Open (HSD 3 open)	Test Passed	Test
Passed			

Prognostics Information

GENERAL INFO

Service Indicator	off
Source of Activation	oil

TRANSMISSION OIL LIFE INFO

Oil Remaining Life	-1 %
Current Oil Life Revs Limit	1314M
Current Oil Life Hours Limit	9395
Current Oil Life Miles Limit	N/A

OIL MONITOR RESETTNG HISTORY	Revs	Revs Limit	Hours	Hours Limit	Miles
Miles Limit					
Most Recent Change - 0	-	-	-	-	N/A
N/A					
Most Recent Change - 1	-	-	-	-	N/A
N/A					
Most Recent Change - 2	-	-	-	-	N/A
N/A					
Most Recent Change - 3	-	-	-	-	N/A
N/A					
Most Recent Change - 4	-	-	-	-	N/A
N/A					
Most Recent Change - 5	-	-	-	-	N/A
N/A					

TES OIL TYPE SELECTION

TES Oil Type Selected	TES-295
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SELECTED TES OIL TYPE HISTORY	TES Oil Type Selected	Revs	Hours	Miles
Most Recent Change - 0	TES-295	20000	1	N/A
Most Recent Change - 1	TES-389	20000	1	N/A
Most Recent Change - 2	Undetermined	-	-	N/A

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Most Recent Change - 3	Undetermined	-	-	N/A
Most Recent Change - 4	Undetermined	-	-	N/A
Most Recent Change - 5	Undetermined	-	-	N/A

TRANSMISSION HEALTH INFO

Transmission Health Indicator for C1	OK
Transmission Health Indicator for C2	OK
Transmission Health Indicator for C3	OK
Transmission Health Indicator for C4	OK
Transmission Health Indicator for C5	OK
Transmission Health Indicator	OK

TRANSMISSION FILTER LIFE INFO

Filter Monitor Expired	No
Current Drive Cycle Plug Filter Hours Timer	0.00
Cumulative Drive Cycle Plug Filter Hours Timer	0.00

*** M = Millions

Data Bus Statistics

CAN Error Frames / Sec	0
Total CAN Error Frames	0