

JOHN DEERE Custom Performance™

PowerTech EWS 4.5L™ - Genset - Premium

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Pinout Report

ECU Connector 1

PIN 01-53 :

ECU Connector 2

PIN 02-17 :

PIN 02-26 :

PIN 02-30 :

PIN 02-32 :

ECU Connector 3

PIN 03-1 : CAN 1-L (Green)

PIN 03-2 : CAN 1-H (Yellow)

PIN 03-3 :

PIN 03-4 :

PIN 03-5 :

PIN 03-6 : Shutdown Override

PIN 03-7 : Keyswitch

PIN 03-8 :

PIN 03-9 :

PIN 03-10 :

PIN 03-11 :

PIN 03-12 : ECU Power

PIN 03-13 : ECU Power

PIN 03-14 : ECU Power

PIN 03-15 : Warning Lamp (-)

PIN 03-16 : ECU Ground

PIN 03-17 : ECU Ground

PIN 03-18 :

PIN 03-19 :

PIN 03-20 : Wait to Start Lamp (-)

PIN 03-21 : CAN Shield

PIN 03-22 :

PIN 03-23 : ECU Power

PIN 03-24 : ECU Power

PIN 03-25 : Tachometer

PIN 03-26 :

PIN 03-27 : ECU Ground

PIN 03-28 : Excitation 5+

PIN 03-29 :

PIN 03-30 :

PIN 03-31 : Bump Enable

PIN 03-32 : Auxiliary System Protection
Shutdown

PIN 03-33 :

PIN 03-34 : Sensor Return 5

PIN 03-35 :

PIN 03-36 : Excitation 4-

PIN 03-37 :

PIN 03-38 :

PIN 03-39 :

PIN 03-40 :

PIN 03-41 :

PIN 03-42 :

PIN 03-43 : ECU Ground

PIN 03-44 : ECU Ground

PIN 03-45 :

PIN 03-46 :

PIN 03-47 : Stop Engine Lamp (-)

PIN 03-48 : Excitation 5-

PIN 03-49 : Excitation 4+

PIN 03-50 : ECU Power

PIN 03-51 :

PIN 03-52 :

PIN 03-53 :

PIN 03-54 :

Fault Code Report

Note: the following list of Fault Codes are those that are configured in the Trim Page, this list does not include all of the fault codes configured.

Fault 4080.09: Generator Frequency Selection Timeout Fault

Fault 4080.13: Generator Frequency Selection Mismatch Fault

Fault 4080.31: Generator Frequency Selection Not Available or Condition Exists

Fault 970.31: Auxiliary Shutdown Fault

Application Review Number

[Help](#)

Application Review Number

TBD

☒ Disable Service Adjustment

Standard Sensor Configuration

[Help](#)

System Battery Voltage

12 Volt

☒ Disable Service Adjustment

Ambient to Turbo Inlet Temperature Rise (1 to 12 deg. C)

8

☒ Disable Service Adjustment

(Application Engineering approval is required for temperature rise over 8 deg. C)

☐ Coolant Loss Switch Enable

☒ Disable Service Adjustment

Coolant Loss Switch Type

Open if Coolant Loss

☐ Service Coolant Level Switch Enable - shared with Config Temperature 2

Service Coolant Level Switch Type

Open if Coolant Low

Auxiliary Sensor Configuration

[Help](#)

☐ Configurable Temperature Sensor 1 Enable (Pin 03-33)

☒ Disable Service Adjustment

☐ Enable as Hydraulic Temperature

Sensor Name Config Temp 1

Sensor Type 97SL Option Group, -40 to 125 deg C

SPN Not Selected

90

Default (deg. C)

☐ Configurable Temperature Sensor 2 Enable (Pin 02-30) - shared with Service Coolant Level Switch

Sensor Name

Sensor Type

SPN Default (deg. C)

☐ Configurable Temperature Sensor 3 Enable (Pin 03-39) - shared with Digital Throttle ☒ Disable Service Adjustment

Sensor Name

Sensor Type

SPN Default (deg. C)

☐ Configurable Switch 1 Enable (Pin 03-54 Switch to Power) ☒ Disable Service Adjustment

Switch Name

Switch Type

☐ Configurable Switch 2 Enable (Pin 03-19 Switch to Power) ☒ Disable Service Adjustment

Switch Name

Switch Type

☐ Configurable Switch 3 Enable (Pin 03-11 Switch to Power) ☒ Disable Service Adjustment

Switch Name

Switch Type

☐ Configurable Switch 4 Enable (Pin 03-18 Switch to Power) ☒ Disable Service Adjustment

Switch Name

Switch Type

☐ Configurable Switch 5 Enable (Pin 03-38 Switch to Ground)
Shared with Operator Command Configuration ☒ Disable Service Adjustment

Switch Name

Switch Type

- ☐ Configurable Switch 6 Enable (Pin 03-42 Switch to Ground) ☒ Disable Service Adjustment
Shared with Operator Command Configuration

Switch Name

Switch Type

- ☐ Configurable Switch 7 Enable (Pin 03-46 Switch to Excitation 5+) ☒ Disable Service Adjustment
Shared with Isochronous Droop Switch

Switch Name

Switch Type

- ☐ Configurable Switch 8 Enable (Pin 03-29 Switch to Ground) ☒ Disable Service Adjustment

Switch Name

Switch Type

- ☐ Configurable Switch 9 Enable (Pin 03-32 Switch to Power) ☒ Disable Service Adjustment
Conflicts with Auxiliary Shutdown Hardwire Switch Input (ENABLED)

Switch Name

Switch Type

- ☐ Configurable Switch 10 Enable (Pin 03-31 Switch to Ground) ☒ Disable Service Adjustment
Shared with Dual Frequency Hardwire Switch

Switch Name

Switch Type

- ☐ Configurable Switch 11 Enable (Pin 03-37 Switch to Power) ☒ Disable Service Adjustment
Shared with Bump Down Switch

Switch Name

Switch Type

- ☐ Configurable Switch 12 Enable (Pin 03-41 Switch to Power) ☒ Disable Service Adjustment
Shared with Bump Up Switch

Switch Name

Switch Type

☐ Configurable Pressure Sensor 1 Enable (Pin 03-22)

Sensor Name

Pressure (kPa) at Minimum Voltage (0-5V)

Pressure (kPa) at Maximum Voltage (0-5V)

Out-of-Range Low Voltage (0-5V)

Out-of-Range High Voltage (0-5V)

SPN Default (kPa)

☐ Configurable Pressure Sensor 2 Enable (Pin 03-03)☒ Disable Service Adjustment

Sensor Name

Pressure (kPa) at Minimum Voltage (0-5V)

Pressure (kPa) at Maximum Voltage (0-5V)

Out-of-Range Low Voltage (0-5V)

Out-of-Range High Voltage (0-5V)

SPN Default (kPa)

☐ Configurable Speed Sensor 1 Enable (Hall Type) (Pin 03-8)☒ Disable Service Adjustment

Sensor Name

Pulses/rev Minimum Speed (rpm) Maximum Speed (rpm)

SPN Averaging

☐ Configurable Speed Sensor 2 Enable (VR Type) (Pin 03-53)☒ Disable Service Adjustment

Sensor Name

Pulses/rev Minimum Speed (rpm) Maximum Speed (rpm)

SPN Averaging

☐ Configurable Analog Input 1 Enable (Pin 03-9) - shared with Secondary Throttle☒ Disable Service Adjustment

Sensor Name

Value at Minimum Voltage (0-5V)

Value at Maximum Voltage (0-5V)

Out-of-Range Low Voltage (0-5V)

Out-of-Range High Voltage (0-5V)

SPN Default

☐ Configurable Analog Input 2 Enable (Pin 03-10) - shared with Primary Throttle

☒ Disable Service Adjustment

Sensor Name

Value at Minimum Voltage (0-5V)

Value at Maximum Voltage (0-5V)

Out-of-Range Low Voltage (0-5V)

Out-of-Range High Voltage (0-5V)

SPN Default

Configurable Logic

[Help](#)

☐ Enable Configurable Logic 1

☒ Disable Service Adjustment

Logic Name

Active when the following conditions have been met for seconds

is

is

Inactive when the following conditions have been met for seconds

Unused is

Unused is

☐ Enable Configurable Logic 2

☒ Disable Service Adjustment

Logic Name

Active when the following conditions have been met for seconds

is

is

Inactive when the following conditions have been met for seconds

Unused is

Unused is

☐ Enable Configurable Logic 3

☒ Disable Service Adjustment

Logic Name

Active when the following conditions have been met for seconds

is

is

Inactive when the following conditions have been met for seconds

Unused is

Unused is

☐ Enable Configurable Logic 4

☒ Disable Service Adjustment

Logic Name

Active when the following conditions have been met for seconds

is

is

Inactive when the following conditions have been met for seconds

Unused is

Unused is

☐ Enable Configurable Logic 5☒ Disable Service AdjustmentLogic Name Active when the following conditions have been met for seconds is is Inactive when the following conditions have been met for secondsUnused is Unused is

Shared CAN Bus Settings

☐ Disable Service Adjustment [Help](#)ECU Source Address John Deere OEM Display Function Instance

Controller Name Configuration

[Help](#)☐ Enable Controller Name 1☒ Disable Service Adjustment☐ Arbitrary Address CapableController Identity Number ☐ Utilize Identity NumberController Function Instance Controller Function ☐ Utilize FunctionController Industry Group Controller Manufacturer Code Controller Preferred Source Address

☐ Enable Controller Name 2 ☒ Disable Service Adjustment

☐ Arbitrary Address Capable

Controller Identity Number

☐ Utilize Identity Number

Controller Function Instance ▼

Controller Function

☐ Utilize Function

Controller Industry Group

Controller Manufacturer Code

Controller Preferred Source Address

☐ Enable Controller Name 3 ☒ Disable Service Adjustment

☐ Arbitrary Address Capable

Controller Identity Number

☐ Utilize Identity Number

Controller Function Instance ▼

Controller Function

☐ Utilize Function

Controller Industry Group

Controller Manufacturer Code

Controller Preferred Source Address

☐ Enable Controller Name 4 ☒ Disable Service Adjustment

☐ Arbitrary Address Capable

Controller Identity Number

☐ Utilize Identity Number

Controller Function Instance ▼

Controller Function

☐ Utilize Function

Controller Industry Group

Controller Manufacturer Code

Controller Preferred Source Address

Standard Hydraulic Temperature CAN Receive Message

Help

☒ Disable Service

Adjustment

Hydraulic Temperature CAN message

Disabled

Sensor Name CAN HYD TEMP

Default 90

Controller Source Address 5

Configurable J1939 CAN☒ Disable Service Adjustment [Help](#)☐ Enable Configurable CAN Receive Message 1 Message

Name CAN RECEIVE MSG 1 Available Parameters = 16

PDUF 179 PDUS 0 Source Address 3 Rate
10ms Available Discrete Parm/Ctrl Cmd Bytes = 4

Byte 1 SLOT Unused

Byte 2 SLOT Unused

Byte 3 SLOT Unused

Byte 4 SLOT Unused

Byte 5 SLOT Unused

Byte 6 SLOT Unused

Byte 7 SLOT Unused

Byte 8 SLOT Unused

☐ Enable Configurable CAN Receive Message 2 Message

Name CAN RECEIVE MSG 2 Available Parameters = 16

PDUF 180 PDUS 0 Source Address 3 Rate
10ms Available Discrete Parm/Ctrl Cmd Bytes = 4

Byte 1 SLOT Unused

Byte 2 SLOT Unused

Byte 3 SLOT Unused

Byte 4 SLOT Byte 5 SLOT Byte 6 SLOT Byte 7 SLOT Byte 8 SLOT

☐ Enable Configurable CAN Receive Message 3 Message
Name Available Parameters = 16

PDUF PDUS Source Address Rate
 Available Discrete Parm/Ctrl Cmd Bytes = 4

Byte 1 SLOT Byte 2 SLOT Byte 3 SLOT Byte 4 SLOT Byte 5 SLOT Byte 6 SLOT Byte 7 SLOT Byte 8 SLOT

☐ Enable Configurable CAN Receive Message 4 Message
Name Available Parameters = 16

PDUF PDUS Source Address Rate
 Available Discrete Parm/Ctrl Cmd Bytes = 4

Byte 1 SLOT Byte 2 SLOT

Byte 3 SLOT UnusedByte 4 SLOT UnusedByte 5 SLOT UnusedByte 6 SLOT UnusedByte 7 SLOT UnusedByte 8 SLOT Unused☐ Enable Configurable CAN Transmit Message 1 MessageName CAN TRANSMIT MSG 1PDU# 183 PDUS/DA 0 Rate 10msByte 1 Parameter Unused Unused SLOTByte 2 Parameter Unused Unused SLOTByte 3 Parameter Unused Unused SLOTByte 4 Parameter Unused Unused SLOTByte 5 Parameter Unused Unused SLOTByte 6 Parameter Unused Unused SLOTByte 7 Parameter Unused Unused SLOTByte 8 Parameter Unused Unused SLOT☐ Enable Configurable CAN Transmit Message 2 MessageName CAN TRANSMIT MSG 2PDU# 184 PDUS/DA 0 Rate 10msByte 1 Parameter Unused Unused SLOTByte 2 Parameter Unused Unused SLOT

Unused

Byte 3 Parameter Unused

SLOT

Unused

Byte 4 Parameter Unused

SLOT

Unused

Byte 5 Parameter Unused

SLOT

Unused

Byte 6 Parameter Unused

SLOT

Unused

Byte 7 Parameter Unused

SLOT

Unused

Byte 8 Parameter Unused

SLOT

Unused

☐ Enable Configurable CAN Transmit Message 3 Message

Name CAN TRANSMIT MSG 3

PDUF 185 PDUS/DA 0 Rate 10ms

Byte 1 Parameter Unused

SLOT

Unused

Byte 2 Parameter Unused

SLOT

Unused

Byte 3 Parameter Unused

SLOT

Unused

Byte 4 Parameter Unused

SLOT

Unused

Byte 5 Parameter Unused

SLOT

Unused

Byte 6 Parameter Unused

SLOT

Unused

Byte 7 Parameter Unused

SLOT

Unused

Byte 8 Parameter Unused

SLOT

Unused

Receive Discrete Parameters and Control Commands

Input Unused Mask Unused Type Measured Default Inactive Parameter Name

Input Mask Type Default Parameter NameInput Mask Type Default Parameter NameInput Mask Type Default Parameter NameInput Mask Type Default Parameter NameInput Mask Type Default Parameter NameInput Mask Type Default Parameter NameInput Mask Type Default Parameter Name

Transmit Discrete Parameters and Control Commands 1

Bits 8&7
4&3Bits 6&5
Bits 2&1

Bits

 is is is
 is

Transmit Discrete Parameters and Control Mode Commands 2

Bits 8&7
4&3Bits 6&5
Bits 2&1

Bits

 is is is
 is

Tachometer Output

☒ Disable Service Adjustment [Help](#)☒ Enable Tachometer Output Pulses per Revolution

Start Aid Control

☒ Disable Service Adjustment [Help](#)☒ Enable Intake Air Heater☒ Disable Service Adjustment [Help](#)

Battery Shutoff Indication Lamp

☐ Enable Battery Shutoff Indication Lamp - shared with Configurable Output 5

Starter Control

☒ Disable Service Adjustment [Help](#)

- shared with Configurable Output 4

Configurable Outputs

[Help](#)

☐ Enable Configurable Output 1 (03-52)

☒ Disable Service Adjustment

Output Name

Output Type

Enable Output when is

Default Output to when is

Lamp Test

☐ Enable Configurable Output 2 (03-45)

☒ Disable Service Adjustment

Output Name

Output Type

Enable Output when is

Default Output to when is

Lamp Test

☐ Enable Configurable Output 3 (02-26) - shared with Hydraulic Fan Reverse Valve ☒ Disable Service Adjustment

Output Name

Output Type

Enable Output when is

Default Output to when is

Lamp Test

☐ Enable Configurable Output 4 (03-30) - shared with Starter Protection

Output Name

Output Type

Enable Output when is

Default Output to when is

Lamp Test

☐ Enable Configurable Output 5 (03-40) - shared with Battery Shutoff Indication Lamp

☒ Disable Service Adjustment

Output Name

Output Type

Enable Output when is

Default Output to when is

Lamp Test

☐ Enable Configurable Output 6 (03-05) - shared with Operator Indicator Configuration

☒ Disable Service Adjustment

Output Name

Output Type

Enable Output when is

Default Output to when is

Lamp Test

☐ Enable Configurable Output 7 (03-04) - shared with Operator Indicator Configuration

☒ Disable Service Adjustment

Output Name

Output Type

Enable Output when is

Default Output to when is

Lamp Test

Exhaust Filter Configuration

☒ Disable Service Adjustment [Help](#)Operator Command Configuration - shared with Configurable Switch 5, 6Operator Indicator Configuration - shared with Configurable Output 6, 7, 8

Allow Stationary Filter Cleaning only when all of the following conditions are met:

is (Temporary System Lock-Out status)

is (Parking Brake status)

is (PTO Active status)

Controller Source Address **Application Engineering approval is required for the following changes.**☐ Disable Elevated Fan Speed for Exhaust Temperature Management

DEF System Configuration

☒ Disable Service Adjustment [Help](#)

DEF Header and Tank

Throttle

☒ Disable Service Adjustment [Help](#)☒ Disable All Throttles

Digital Throttle

☐ Enable Digital Throttle - shared with Config Temperature 3☐ 2-State Throttle☒ 3-State Throttle

Primary Analog Throttle

☐ Enable Primary Analog Throttle - shared with Config Analog 2☐ Self-Calibration Enable

Secondary Analog Throttle

☐ Enable Secondary Analog Throttle - shared with Config Analog 1☐ Self-Calibration Enable

Throttle Adjustments

Throttle Out-of-Range Recovery:

Multiple Throttle Failure Condition Default:

Default to Rated Speed ▾

Maximum Throttle Offset: 0 rpm Decrease ▾

Envelope Calculation

Torque Speed Control☒ Disable Service Adjustment [Help](#)☐ Enable TSC Source 1☐ TSC1 Timeout Fault Enable

3 Source Address 1

☐ Enable TSC Source 2☐ TSC2 Timeout Fault Enable

4 Source Address 2

Low Idle Speed Selection☒ Disable Service Adjustment [Help](#)☒ Enable Low Idle Input Command
Timeout Fault Enable☐ Low Idle Command3 Controller Source
Address**Governor Droop**☒ Disable Service Adjustment [Help](#)

RPM of Droop 0 Hz (Isochronous) ▾

Envelope Calculation

Frequency Selection☒ Disable Service Adjustment [Help](#)

Frequency Input Type Dual Frequency - CAN Input ▾

Controller Source Address 3

Governor Speed Rate of Change☒ Disable Service Adjustment [Help](#)**Normal Rate of Change:**Increasing Governor
Rate: Standard (Maximum) ▾

Decreasing Governor
Rate:

Startup Acceleration Rate

☒ Disable Service Adjustment [Help](#)

Acceleration Rate:

Governor Gains

☐ Disable Service Adjustment [Help](#)

Information: The factory settings for the engine speed control (governor) parameters have been optimized for the majority of applications to provide the best combination of stability and response characteristics.

DO NOT change these settings from the defaults unless there is a significant problem with engine speed stability or response to load changes. Changing the governor gains from the defaults can aggravate instabilities in the system or lead to unacceptable response. Any changes must be evaluated to determine if the final performance is acceptable.

Low Speed Governor Gain

All Speed Governor Gain

Maximum Speed Governor Gain

Selected Alternate Gain

Gain Adjustment Percentage % (Valid range is 25% to 200%)

Derates & Shutdowns

☒ Disable Service Adjustment [Help](#)

Standard (Level 1) Derates

☒ Enable Standard (Level 1) Derates

DEF System Inducement Type Selection

High Torque Derate

Standard Shutdowns

Refer to the Sensor Configuration section to enable optional sensors

Coolant Temperature Shutdown

Fuel Temperature Shutdown

J1939 Enable/Disable Shutdowns

☐ Allow Enable/Disable of Shutdowns by J1939 CAN Message

Controller Source Address

<div>30 Seconds ▼</div> <div>Intake Manifold Air Temperature Shutdown</div> <div>30 Seconds ▼</div> <div>Enable Oil Pressure Shutdown</div> <div>30 Seconds ▼</div> <div>Enable Water-in-Fuel Shutdown</div> <div>30 Seconds ▼</div> <div>Enable Coolant Loss Shutdown</div> <div>Disabled ▼</div> <div>Enable Very High Soot Loading Shutdown</div> <div>Disabled ▼</div> <div>Allows shutdown prior to reaching service only filter cleaning level. Refer to help for detailed information on shutdown.</div>	
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Level 2 Derates

☒ Disable Service Adjustment [Help](#)

WARNING: By checking this box, the user certifies that this engine will only be used in emergency applications as defined by the U.S. EPA. Emergency internal combustion engine (ICE) applications are defined as any ICE whose operation is limited to emergency situations and required testing and maintenance. Examples include ICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or an ICE is used to pump water in case of fire or flood, etc. An ICE used to supply power to an electric grid or that supply power as part of a financial arrangement with another entity are not considered emergency engines. If you are unsure or not able to certify emergency usage of this engine, you should not check this box. Failure to comply could adversely impact engine emissions and be a violation of the applicable emission regulations. Questions should be directed to your JDPS Sales Engineer.

☐ **I CERTIFY THAT THIS ENGINE IS BEING USED IN AN EMERGENCY APPLICATION AS DEFINED ABOVE** I understand that by checking this box I need to keep accurate records of final customer installation to ensure it meets the emergency application criteria. These records may be subject to audit and provided to the EPA.

Auxiliary Shutdown

☒ Disable Service Adjustment [Help](#)

Warning: This is intended as a vehicle/engine protection shutdown. This is not intended to be used as an emergency stop.

☒ Auxiliary Shutdown Enable - Hardwire Input shared with Configurable Switch 9

Auxiliary Shutdown Input 1

Switch Type

Auxiliary Shutdown Timer 1

☐ Override Auxiliary Shutdown 1 at Engine Start

Override Auxiliary Shutdown 1 Time

Auxiliary Shutdown Input 2

Auxiliary Shutdown Timer 2 Immediate☐ Override Auxiliary Shutdown 2 at Engine Start

Override Auxiliary Shutdown 2 Time

5 seconds☒ Enable Auxiliary Shutdown Fault

Note: Care should be taken to choose a switch type that matches desired behavior with common failure modes

Managed Shutdown

☒ Disable Service Adjustment Help☐ Enable Managed ShutdownCooldown Activation Switch Type CAN Message

CAN Controller Source Address

5

Warm-up Speed Limiting

☒ Disable Service Adjustment Help☐ Enable Warm-up Speed LimitingMax Speed (rpm) 1200Max Start Entry Temperature 10Max Warm-up Run Time 5 MinutesSpeed Limit Override Unused is Active

Overspeed Shutdown Verify for Certification Testing

☒ Disable Service Adjustment HelpOverspeed Verify Threshold (rpm) 1700

System Protection Shutdowns

Help

Warning: This is intended as a vehicle/engine protection shutdown. This is not intended to be used as an emergency stop.

☐ Enable System Protection 1☒ Disable Service AdjustmentParameter UnusedInhibit when Engine Stop and Start

Inhibit Removal Delay

Threshold Type

Threshold

Fault Set Time

Shutdown Timer

☐ Enable System Protection 2☒ Disable Service AdjustmentParameter Inhibit when Inhibit Removal Delay

Threshold Type

Threshold

Fault Set Time

Shutdown Timer

☐ Enable System Protection 3☒ Disable Service AdjustmentParameter Inhibit when Inhibit Removal Delay

Threshold Type

Threshold

Fault Set Time

Shutdown Timer

☐ Enable System Protection 4☒ Disable Service AdjustmentParameter Inhibit when Inhibit Removal Delay

Threshold Type

Threshold

Fault Set Time

Shutdown Timer

☐ Enable System Protection 5☒ Disable Service AdjustmentParameter Inhibit when Inhibit Removal Delay

Threshold Type

Threshold

Fault Set Time

Shutdown Timer

☐ Enable System Protection 6☒ Disable Service AdjustmentParameter UnusedInhibit when Engine Stop and StartInhibit Removal Delay 10 Seconds

Threshold Type

Maximum

Threshold

50

Fault Set Time

60 Seconds

Shutdown Timer

30 Seconds

Variable Speed Fan

☒ Disable Service Adjustment [Help](#)Variable Speed Fan Control DisabledCoolant Temperature Setpoint (enter a value between 92 and 103 deg. C) 98Auxiliary Sensor 1 Unused Temperature Setpoint (deg. C) 105 Fan StateHydraulic Oil TemperatureAuxiliary Sensor 2 Unused Temperature Setpoint (deg. C) 100 Fan StateTransmission Oil TemperatureAuxiliary Switch Unused is Active Speed Setpoint (rpm) 1000 Fan StateAir Conditioner