



Diagnostic Service Codes

Diagnostic Service Codes are used to inform machine operators of potential fault conditions that have occurred on the machine. Codes occur when machine controllers detect conditions that fall outside a range of acceptable values.

Always read and understand your Operation & Maintenance manual before operating or working on the machine.

This document was created in 2020, visit the [Machine Diagnostics \(Fault Codes\)](#) page for the latest code information.

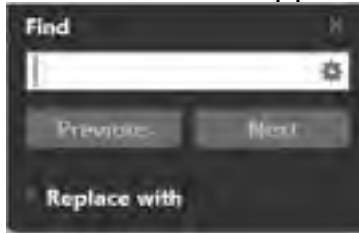
For a more detailed description and troubleshooting detail subscribe to Machine IQ Health and Security, available through Bobcat Owner Portal.
[Learn more about Bobcat Owner Portal here.](#)

This Contains Fault Codes For:

M-Series Loaders (S450-S850 & T450-T870)	Bobcat Engine V1 (DELPHI ECU)
R-Series Loaders (S60s-S70s & T60s-T70s)	Bobcat Engine V2 (BOSCH ECU)
M-Series Excavators (E26-E85)	Bobcat Engine D34 (DCU)
E145 & E165 Excavator	Toolcat
Small Articulated Loader	Telehandler
Attachments	Compact Wheel Loader

Instructions For Windows Computer:

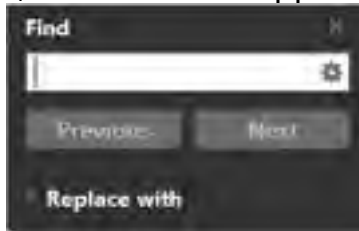
Press both the “Ctrl” and “F” key on your keyboard.
In the top right, a box should appear labeled “Find.”



Type your service code into the white box then press the “Enter” key on your keyboard.
It should jump to the correct section of the document
and the service code should be highlighted.
If there are duplicates of the code, validate which product the code is appearing on.

Instructions For Mac Computer:

Press both the “Cmd” and “F” key on your keyboard.
In the top right, a box should appear labeled “Find.”



Type your service code into the white box then press the “Enter” key on your keyboard.
It should jump to the correct section of the document
and the service code should be highlighted.
If there are duplicates of the code, validate which product the code is appearing on.

Code	Product	Description
3251-03	ECU Bobcat Engine V1	EGR Temperature Sensor - Fault
3251-04	ECU Bobcat Engine V1	EGR Temperature Sensor - Fault
3252-00	ECU Bobcat Engine V1	Exhaust Temperature - High
3509-03	ECU Bobcat Engine V1	Sensor Supply Voltage Fault
3509-04	ECU Bobcat Engine V1	Sensor Supply Voltage Fault
A0321	Telehandler	Battery Voltage OOR High
A0322	Telehandler	Battery Voltage OOR Low
A0618	Attachments	Wheel Speed Out of Range
A0702	Telehandler	Left interlocking sensor Short to Battery
A0703	Telehandler	Left interlocking sensor Short to Ground or Open circuit
A0802	Telehandler	Right interlocking sensor Short to Battery
A0803	Telehandler	Right interlocking sensor Short to Ground or Open circuit
A0921	Telehandler	Overload Signal 1 Out Of Range High
A0922	Telehandler	Overload Signal 1 Out Of Range Low
A1021	Telehandler	Overload Signal 2 Out Of Range High
A1022	Telehandler	Overload Signal 2 Out Of Range Low
A1144	Telehandler	Overload signals disagrees
A1198	Telehandler	Overload calibration performed
A1199	Telehandler	Overload calibration required
A1221	Telehandler	Tilt inclinometer innput Out of range High
A1222	Telehandler	Tilt inclinometer innput Out of range Low
A1298	Telehandler	Tilt inclinometer calibration performed
A1299	Telehandler	Tilt inclinometer calibration required
A3623	Telehandler	Programming or constant data invalid
A3623	Attachments	ACD Not Programmed
A4621	Attachments	5 Volt Sensor Supply Out of Range High
A4621	M-Series Loader	5V Sensor Supply Out of Range High
A4622	M-Series Loader	5V Sensor Supply Out of Range Low
A4622	Attachments	5 Volt Sensor Supply Out of Range Low
A4721	Attachments	8 Volt Sensor Supply Out of Range High
A4721	M-Series Loader	8V Sensor Supply Out of Range High
A4722	M-Series Loader	8V Sensor Supply Out of Range Low
A4722	Attachments	8 Volt Sensor Supply Out of Range Low
A7701	M-Series Loader	Key Switch Active
A7701	Attachments	Cab Key Switch Active
A7901	Attachments	E-Stop Active
A8002	Attachments	Output A Error On
A8003	Attachments	Output A Error Off
A8005	Attachments	Output A Short to Battery
A8006	Attachments	Output A Short to Ground
A8007	Attachments	Output A Open Circuit
A8032	Attachments	Output A Overcurrent
A8102	Attachments	Output B Error On
A8103	Attachments	Output B Error Off
A8105	Attachments	Output B Short to Battery
A8106	Attachments	Output B Short to Ground
A8107	Attachments	Output B Open Circuit
A8132	Attachments	Output B Overcurrent
A8202	Attachments	Output C Error On
A8203	Attachments	Output C Error Off
A8205	Attachments	Output C Short to Battery

Code	Product	Description
A8206	Attachments	Output C Short to Ground
A8207	Attachments	Output C Open Circuit
A8232	Attachments	Output C Overcurrent
A8302	Attachments	Output D Error On
A8303	Attachments	Output D Error Off
A8305	Attachments	Output D Short to Battery
A8306	Attachments	Output D Short to Ground
A8307	Attachments	Output D Open Circuit
A8332	Attachments	Output D Overcurrent
A8402	Attachments	Output E Error On
A8403	Attachments	Output E Error Off
A8405	Attachments	Output E Short to Battery
A8406	Attachments	Output E Short to Ground
A8407	Attachments	Output E Open Circuit
A8432	Attachments	Output E Overcurrent
A8502	Attachments	Output F Error On
A8503	Attachments	Output F Error Off
A8505	Attachments	Output F Short to Battery
A8506	Attachments	Output F Short to Ground
A8507	Attachments	Output F Open Circuit
A8532	Attachments	Output F Overcurrent
A8602	Attachments	Output G Error On
A8603	Attachments	Output G Error Off
A8605	Attachments	Output G Short to Battery
A8606	Attachments	Output G Short to Ground
A8607	Attachments	Output G Open Circuit
A8702	Attachments	Output H Error On
A8703	Attachments	Output H Error Off
A8705	Attachments	Output H Short to Battery
A8706	Attachments	Output H Short to Ground
A8707	Attachments	Output H Open Circuit
A8802	Attachments	Reverse Solenoid Error On
A8803	Attachments	Reverse Solenoid Error Off
B1001-96	Compact Wheel Loader	Key Switch Failure
B1001-96	Toolcat	Key Switch - Component Internal Failure
B1005-00	M-Series Loader	Key Switch Multiple
B1005-00	Compact Wheel Loader	Key Switch Multiple
B102A-16	Toolcat	Cab Controller Sensor Supply - Circuit Voltage Below Threshold
B102A-16	M-Series Loader	Cab Controller Sensor Supply Voltage Out of Range Low
B102A-17	M-Series Loader	Cab Controller Sensor Supply Voltage Out of Range High
B102A-17	Toolcat	Cab Controller Sensor Supply - Circuit Voltage Above Threshold
B1030-11	M-Series Loader	Front Work Light (Left Side) Short to Ground
B1030-12	M-Series Loader	Front Work Light (Left Side) Short to Battery
B1030-13	M-Series Loader	Front Work Light (Left Side) Not Connected
B1031-11	M-Series Loader	Front Work Light (Right Side) Short to Ground
B1031-12	M-Series Loader	Front Work Light (Right Side) Short to Battery
B1031-13	M-Series Loader	Front Work Light (Right Side) Not Connected
B1034-11	Toolcat	Rear Work Lights - Circuit Short to Ground
B1034-11	Compact Wheel Loader	Rear Work Light Short to Battery
B1034-12	M-Series Loader	Rear Work Lights Error On
B1034-12	Toolcat	Rear Work Lights - Circuit Short to Battery
B1034-12	Compact Wheel Loader	Rear Work Light Short to Ground

Code	Product	Description
B1034-13	Toolcat	Rear Work Lights - Circuit Open
B1034-13	Compact Wheel Loader	Rear Work Light Not Connected
B1034-14	M-Series Loader	Rear Work Lights Error Off
B1035-12	M-Series Loader	Rear Marker Light Short to Battery
B1035-14	M-Series Loader	Rear Marker Light Short to Ground or Open Circuit
B1036-11	Toolcat	Rear Marker Lights - Circuit Short to Ground
B1036-12	Toolcat	Rear Marker Lights - Circuit Short to Battery
B1036-12	M-Series Loader	Rear Tail Lights Error On
B1036-13	Toolcat	Rear Marker Lights - Circuit Open
B1036-14	M-Series Loader	Rear Tail Lights Error Off
B1037-11	Toolcat	Stop Lights - Circuit Short to Ground
B1037-11	Compact Wheel Loader	Stop Light Short to Ground
B1037-12	M-Series Loader	Stop Lamp Short to Battery
B1037-12	Toolcat	Stop Lights - Circuit Short to Battery
B1037-13	Toolcat	Stop Lights - Circuit Open
B1037-14	M-Series Loader	Stop Lamp Short to Ground or Open Circuit
B1037-15	Compact Wheel Loader	Stop Light Error On
B1038-12	M-Series Loader	Registration Plate Lamp Short to Battery
B1038-14	M-Series Loader	Registration Plate Lamp Short to Ground or Open Circuit
B1039-11	M-Series Loader	Side Lights Short to Ground
B1039-12	M-Series Loader	Side Lights Short to Battery
B1039-13	M-Series Loader	Side Lights Not Connected
B103B-12	Small Articulated Loader	Light Circuit Short to Battery
B103B-14	Small Articulated Loader	Light Circuit Short to Ground
B103D-11	Compact Wheel Loader	Beacon Short to Ground
B103D-12	Compact Wheel Loader	Beacon Short to Battery
B103D-12	Toolcat	Beacon Light - Circuit Short to Battery
B103D-13	Compact Wheel Loader	Beacon Not Connected
B103D-14	Toolcat	Beacon Light - Circuit Short to Ground or Open
B1040-11	Compact Wheel Loader	Buzzer Error Off
B1040-12	Compact Wheel Loader	Buzzer Error On
B1040-12	Toolcat	Buzzer - Circuit Short to Battery
B1040-14	Toolcat	Buzzer - Circuit Short to Ground or Open
B1040-14	M-Series Loader	Buzzer Error Off
B1041-12	Toolcat	Backup Alarm - Circuit Short to Battery
B1041-12	Compact Wheel Loader	Backup Alarm Error Off
B1041-12	M-Series Loader	Backup Alarm Error On
B1041-14	M-Series Loader	Backup Alarm Error Off
B1041-14	Compact Wheel Loader	Backup Alarm Error On
B1041-14	Toolcat	Backup Alarm - Circuit Short to Ground or Open
B1042-12	Toolcat	Horn Output - Circuit Short to Battery
B1042-12	M-Series Loader	Horn Relay Short to Battery
B1042-14	Toolcat	Horn Output - Circuit Short to Ground or Open
B1042-14	M-Series Loader	Horn Relay Short to Ground or Open Circuit
B104A-11	Compact Wheel Loader	Seat Heater Short to Ground
B104A-12	Compact Wheel Loader	Seat Heater Short to Battery
B104A-13	Compact Wheel Loader	Seat Heater Open Circuit
B1050-12	M-Series Loader	HVAC Output Short to Battery
B1050-12	Toolcat	HVAC Output - Circuit Short to Battery
B1050-14	M-Series Loader	HVAC Output Short to Ground or Open Circuit
B1050-14	Toolcat	HVAC Output - Circuit Short to Ground or Open
B1051-93	M-Series Loader	HVAC Inside Sensor In Error

Code	Product	Description
B1052-93	M-Series Loader	HVAC Device Sensor In Error
B1053-93	M-Series Loader	HVAC Coil Sensor In Error
B1054-11	M-Series Loader	HVAC Clutch Output Error Off
B1054-12	M-Series Loader	HVAC Clutch Output Error On
B1054-13	M-Series Loader	HVAC Clutch Output Open Circuit
B1054-19	M-Series Loader	HVAC Clutch Output Overcurrent
B1055-93	M-Series Loader	HVAC Water Valve In Error
B105A-12	Toolcat	Front Window Defroster Output - Circuit Short to Battery
B105A-14	Toolcat	Front Window Defroster Output - Circuit Short to Ground or Open
B1060-93	M-Series Loader	Lift Pedal In Error
B1060-F0	M-Series Loader	Lift Pedal Not in Neutral
B1061-16	M-Series Loader	Lift Pedal Sensor A Out of Range Low
B1061-17	M-Series Loader	Lift Pedal Sensor A Out of Range High
B1062-16	M-Series Loader	Lift Pedal Position Sensor "B" Out of Range Low
B1062-17	M-Series Loader	Lift Pedal Position Sensor "B" Out of Range High
B1063-00	M-Series Loader	Lift Pedal Sensor In Error
B1064-F0	Compact Wheel Loader	Lift Input Not in Neutral
B1064-F0	M-Series Loader	Lift Joystick Not in Neutral
B1065-F0	M-Series Loader	Lift Input Not in Neutral
B1070-09	M-Series Loader	Tilt Pedal Failure
B1070-93	M-Series Loader	Tilt Pedal In Error
B1070-F0	M-Series Loader	Tilt Pedal Not in Neutral
B1071-16	M-Series Loader	Tilt Pedal Sensor A Out of Range Low
B1071-17	M-Series Loader	Tilt Pedal Sensor A Out of Range High
B1072-16	M-Series Loader	Tilt Pedal Position Sensor "B" Out of Range High
B1072-17	M-Series Loader	Tilt Pedal Position Sensor "B" Out of Range Low
B1073-00	M-Series Loader	Tilt Pedal Sensor In Error
B1074-F0	Compact Wheel Loader	Tilt Input Not in Neutral
B1074-F0	M-Series Loader	Tilt Joystick Not in Neutral
B1075-F0	M-Series Loader	Tilt Input Not in Neutral
B1080-09	Toolcat	Operator Presence - Component Failure
B1080-09	Compact Wheel Loader	Operator Presence Component Failure
B1080-09	M-Series Loader	Seat Bar Failure
B1080-16	Compact Wheel Loader	Operator Presence Circuit Voltage Below Threshold
B1080-16	Toolcat	Operator Presence - Circuit Voltage Below Threshold
B1080-16	Small Articulated Loader	Armrest Out of Range Low
B1080-16	M-Series Loader	Seat Bar Out of Range Low
B1080-17	M-Series Loader	Seat Bar Out of Range High
B1080-17	Small Articulated Loader	Armrest Out of Range High
B1080-17	Compact Wheel Loader	Operator Presence Circuit Voltage Above Threshold
B1080-17	Toolcat	Operator Presence - Circuit Voltage Above Threshold
B1080-54	Small Articulated Loader	Armrest No Signal
B1080-66	Small Articulated Loader	Armrest Intermittent Signal
B1090-00	M-Series Loader	Door Open
B1091-16	M-Series Loader	Door Sensor Out of Range Low
B1095-13	M-Series Loader	Window Sensor Open Circuit
B1095-16	M-Series Loader	Window Sensor Out of Range Low
B1095-17	M-Series Loader	Window Sensor Out of Range High
B1095-95	M-Series Loader	Window Sensor Failure
B10A0-12	M-Series Loader	Wiper Output Short to Battery
B10A0-12	Toolcat	Wiper Output - Circuit Short to Battery
B10A0-14	M-Series Loader	Wiper Output Short to Ground or Open Circuit

Code	Product	Description
B10A0-14	Toolcat	Wiper Output - Circuit Short to Ground or Open
B10A1-12	Toolcat	Washer Fluid Output - Circuit Short to Battery
B10A1-12	M-Series Loader	Washer Fluid Output Short to Battery
B10A1-14	Toolcat	Washer Fluid Output - Circuit Short to Ground or Open
B10A1-14	M-Series Loader	Washer Fluid Output Short to Ground or Open Circuit
B10A2-11	Compact Wheel Loader	Front Wiper Short to Ground
B10A2-12	Compact Wheel Loader	Front Wiper Short to Battery
B10A2-13	Compact Wheel Loader	Front Wiper Not connected
B10A3-11	Compact Wheel Loader	Front Wiper High Speed Short to Ground
B10A3-12	Compact Wheel Loader	Front Wiper High Speed Short to Battery
B10A3-13	Compact Wheel Loader	Front Wiper High Speed Not connected
B10A5-11	Compact Wheel Loader	Rear Wiper Short to Ground
B10A5-12	Compact Wheel Loader	Rear Wiper Short to Battery
B10A5-13	Compact Wheel Loader	Rear Wiper Not Connected
B10A7-11	Compact Wheel Loader	Front Washer Short to Ground
B10A7-12	Compact Wheel Loader	Front Washer Short to Battery
B10A7-13	Compact Wheel Loader	Front Washer Not Connected
B10A8-11	Compact Wheel Loader	Rear Washer Short to Ground
B10A8-12	Compact Wheel Loader	Rear Washer Short to Battery
B10A8-13	Compact Wheel Loader	Rear Washer Not Connected
B10B0-00	M-Series Loader	Drive ISO/H Pattern Switch Flipped While Operating
B10B1-F0	M-Series Loader	Drive Input Not in Neutral
B10B3-F0	M-Series Loader	Drive X Input Not In Neutral
B10B6-F0	M-Series Loader	Drive Y Input Not In Neutral
B10B9-F0	M-Series Loader	Drive Left Input Not In Neutral
B10BC-F0	M-Series Loader	Drive Right Input Not In Neutral
B10C0-00	Compact Wheel Loader	Camera Not Connected
B10C1-00	Toolcat	Camera Software Error
B10D0-11	Toolcat	Display Switched Power Output - Circuit Short to Ground
B10D0-12	Toolcat	Display Switched Power Output - Circuit Short to Battery
B10D0-12	M-Series Loader	Display Switched Power Relay Error On
B10D0-13	Toolcat	Display Switched Power Output - Circuit Open
B10D0-14	M-Series Loader	Display Switched Power Relay Error Off
B10F0-11	Compact Wheel Loader	Rear Defog Short to Ground
B10F0-12	Compact Wheel Loader	Rear Defog Short to Battery
B10F0-13	Compact Wheel Loader	Rear Defog Circuit Open
B1100-9E	Compact Wheel Loader	Power Exchange Lock Switch Stuck On
B1100-9E	M-Series Loader	Bobtach Engage Button Stuck On
B1101-9E	Compact Wheel Loader	Power Exchange Unlock Switch Stuck on
B1101-9E	M-Series Loader	Bobtach Disengage Button Stuck On
B1110-F0	M-Series Loader	Left Primary Not in Neutral
B1110-F0	Toolcat	Left Primary - Not in Neutral
B1111-F0	M-Series Loader	Left Secondary Not in Neutral
B1111-F0	Toolcat	Left Secondary - Not in Neutral
B1120-16	Small Articulated Loader	Right Primary Out of Range Low
B1120-17	Small Articulated Loader	Right Primary Out of Range High
B1120-F0	Compact Wheel Loader	Joystick Right Roller Not in Neutral
B1120-F0	Toolcat	Right Primary - Not in Neutral
B1120-F0	M-Series Loader	Right Primary Not in Neutral
B1121-16	Small Articulated Loader	Right Secondary Out of Range Low
B1121-17	Small Articulated Loader	Right Secondary Out of Range High
B1121-F0	Toolcat	Right Secondary - Not in Neutral

Code	Product	Description
B1121-F0	M-Series Loader	Right Secondary Not in Neutral
B1122-F0	M-Series Loader	Detent Not in Neutral
B1122-F0	Toolcat	Detent - Not in Neutral
B1130-F0	Toolcat	Joystick Primary - Not in Neutral
B1131-F0	Toolcat	Joystick Secondary - Not in Neutral
B1150-F0	Compact Wheel Loader	FNR Lever not in Neutral
B1151-00	Compact Wheel Loader	FNR Switch Multiple
B1155-31	Toolcat	FPR Switch - No Signal
B1156-00	Toolcat	FPR Switch Multiple
B116F-11	M-Series Loader	Front Left Road Light Short to Ground
B116F-12	M-Series Loader	Front Left Road Light Short to Battery
B116F-13	M-Series Loader	Front Left Road Light Open Circuit
B1170-11	Toolcat	Head Light High Left - Circuit Short to Ground
B1170-12	Toolcat	Head Light High Left - Circuit Short to Battery
B1170-13	Toolcat	Head Light High Left - Circuit Open
B1172-11	Toolcat	Front Turn Signal Left - Circuit Short to Ground
B1172-12	Toolcat	Front Turn Signal Left - Circuit Short to Battery
B1172-13	Toolcat	Front Turn Signal Left - Circuit Open
B1175-11	Toolcat	Rear Turn Signal Left - Circuit Short to Ground
B1175-12	Toolcat	Rear Turn Signal Left - Circuit Short to Battery
B1175-13	Toolcat	Rear Turn Signal Left - Circuit Open
B1177-12	M-Series Loader	Left Turn Signal Short to Battery
B1177-14	M-Series Loader	Left Turn Signal Short to Ground or Open Circuit
B117F-11	M-Series Loader	Front Right Road Light Short to Ground
B117F-12	M-Series Loader	Front Right Road Light Short to Battery
B117F-13	M-Series Loader	Front Right Road Light Open Circuit
B1180-11	Toolcat	Head Light High Right - Circuit Short to Ground
B1180-12	Toolcat	Head Light High Right - Circuit Short to Battery
B1180-13	Toolcat	Head Light High Right - Circuit Open
B1182-11	Toolcat	Front Turn Signal Right - Circuit Short to Ground
B1182-12	Toolcat	Front Turn Signal Right - Circuit Short to Battery
B1182-13	Toolcat	Front Turn Signal Right - Circuit Open
B1185-11	Toolcat	Rear Turn Signal Right - Circuit Short to Ground
B1185-12	Toolcat	Rear Turn Signal Right - Circuit Short to Battery
B1185-13	Toolcat	Rear Turn Signal Right - Circuit Open
B1187-12	M-Series Loader	Right Turn Signal Short to Battery
B1187-14	M-Series Loader	Right Turn Signal Short to Ground or Open Circuit
B1190-11	Compact Wheel Loader	Front Work Light Short to Battery
B1190-11	Toolcat	Front Work Lights - Circuit Short to Ground
B1190-12	Compact Wheel Loader	Front Work Light Short to Ground
B1190-12	Toolcat	Front Work Lights - Circuit Short to Battery
B1190-13	Compact Wheel Loader	Front Work Light Not Connected
B1190-13	Toolcat	Front Work Lights - Circuit Open
B1191-12	Toolcat	Front Work Light 2 - Circuit Short to Battery
B1191-14	Toolcat	Front Work Light 2 - Circuit Short to Ground or Open
B1192-12	Toolcat	Front Work Light 3 - Circuit Short to Battery
B1192-14	Toolcat	Front Work Light 3 - Circuit Short to Ground or Open
B11B0-54	Toolcat	Travel Pedal Sensor - Missing Calibration
B11B0-93	Toolcat	Travel Pedal Sensor - In Error
B11B1-16	Toolcat	Travel Pedal Sensor Primary - Circuit Voltage Below Threshold
B11B1-17	Toolcat	Travel Pedal Sensor Primary - Circuit Voltage Above Threshold
B11B2-16	Toolcat	Travel Pedal Sensor Secondary - Circuit Voltage Below Threshold

Code	Product	Description
B11B2-17	Toolcat	Travel Pedal Sensor Secondary - Circuit Voltage Above Threshold
B11B5-54	Compact Wheel Loader	Inching pedal sensor missing calibration
B11B5-54	Toolcat	Brake Pedal Sensor - Missing Calibration
B11B5-93	Toolcat	Brake Pedal Sensor - In Error
B11B6-16	Toolcat	Brake Pedal Sensor Primary - Circuit Voltage Below Threshold
B11B6-17	Toolcat	Brake Pedal Sensor Primary - Circuit Voltage Above Threshold
B11B7-16	Toolcat	Brake Pedal Sensor Secondary - Circuit Voltage Below Threshold
B11B7-17	Toolcat	Brake Pedal Sensor Secondary - Circuit Voltage Above Threshold
C0314	Telehandler	LLMC Undervoltage
C0315	Telehandler	LLMC Overvoltage
C1001-16	Toolcat	Hub Controller Sensor Supply - Circuit Voltage Below Threshold
C1001-16	Compact Wheel Loader	Sensor Supply Out of Range Low
C1001-17	Toolcat	Hub Controller Sensor Supply - Circuit Voltage Above Threshold
C1001-17	Compact Wheel Loader	Sensor Supply Out of Range High
C1002-16	M-Series Loader	Sensor Supply Out of Range Low
C1002-17	M-Series Loader	Sensor Supply Out of Range High
C1003-16	Compact Wheel Loader	Sensor Supply Out of Range Low
C1003-17	Compact Wheel Loader	Sensor Supply Out of Range High
C1004-16	Compact Wheel Loader	Drive Controller Sensor Supply Out of Range Low
C1004-17	Compact Wheel Loader	Drive Controller Sensor Supply Out of Range High
C1005-16	Toolcat	Pump Controller Sensor Supply - Circuit Voltage Below Threshold
C1005-17	Toolcat	Pump Controller Sensor Supply - Circuit Voltage Above Threshold
C1006-16	Toolcat	Rear Controller Sensor Supply - Circuit Voltage Below Threshold
C1006-17	Toolcat	Rear Controller Sensor Supply - Circuit Voltage Above Threshold
C100A-11	M-Series Loader	ECU Power Short to Ground
C100A-11	Toolcat	ECU Power - Circuit Short to Ground
C100A-12	Toolcat	ECU Power - Circuit Short to Battery
C100A-12	M-Series Loader	ECU Power Short to Battery
C100A-13	M-Series Loader	ECU Power Open Circuit
C100A-13	Toolcat	ECU Power - Circuit Open
C1015-16	M-Series Loader	Lift Spool Position Sensor Out of Range Low
C1015-17	M-Series Loader	Lift Spool Position Sensor Out of Range High
C1015-56	M-Series Loader	Lift Spool Position Sensor Inverted Movement
C1015-93	M-Series Loader	Lift Spool Position Sensor Unresponsive
C1015-F0	M-Series Loader	Lift Spool Position Sensor Not in Neutral
C1016-16	M-Series Loader	Tilt Spool Position Sensor Out of Range Low
C1016-17	M-Series Loader	Tilt Spool Position Sensor Out of Range High
C1016-93	M-Series Loader	Tilt Spool Position Sensor Unresponsive
C1016-F0	M-Series Loader	Tilt Spool Position Sensor Not in Neutral
C101A-16	Compact Wheel Loader	Lift Base Pressure Out of Range Low
C101A-17	Compact Wheel Loader	Lift Base Pressure Out of Range High
C101D-16	M-Series Loader	Tilt Rod Pressure Sensor Out of Range Low
C101D-17	M-Series Loader	Tilt Rod Pressure Sensor Out of Range High
C1020-11	Compact Wheel Loader	Front Base Solenoid Short to Ground
C1020-11	Toolcat	Front Aux Base Solenoid - Circuit Short to Ground
C1020-12	Compact Wheel Loader	Front Base Solenoid Short to Battery
C1020-12	Toolcat	Front Aux Base Solenoid - Circuit Short to Battery
C1020-13	Compact Wheel Loader	Front Base Solenoid Open Circuit
C1020-13	Toolcat	Front Aux Base Solenoid - Circuit Open
C1020-19	Compact Wheel Loader	Front Base Solenoid Overcurrent
C1020-19	Toolcat	Front Aux Base Solenoid - Circuit Current Above Threshold
C1021-11	Toolcat	Front Aux Rod Solenoid - Circuit Short to Ground

Code	Product	Description
C1021-11	Compact Wheel Loader	Front Rod Solenoid Short to Ground
C1021-12	Toolcat	Front Aux Rod Solenoid - Circuit Short to Battery
C1021-12	Compact Wheel Loader	Front Rod Solenoid Short to Battery
C1021-13	Compact Wheel Loader	Front Rod Solenoid Open Circuit
C1021-13	Toolcat	Front Aux Rod Solenoid - Circuit Open
C1021-19	Compact Wheel Loader	Front Rod Solenoid Overcurrent
C1021-19	Toolcat	Front Aux Rod Solenoid - Circuit Current Above Threshold
C1024-11	Toolcat	Diverter Solenoid - Circuit Short to Ground
C1024-12	Toolcat	Diverter Solenoid - Circuit Short to Battery
C1024-13	Toolcat	Diverter Solenoid - Circuit Open
C1026-11	Toolcat	Remote Hydraulics Output - Circuit Short to Ground
C1026-12	Toolcat	Remote Hydraulics Output - Circuit Short to Battery
C1026-13	Toolcat	Remote Hydraulics Output - Circuit Open
C1029-11	M-Series Loader	Hydraulic Lock Solenoid Short to Ground
C1029-12	M-Series Loader	Hydraulic Lock Solenoid Short to Battery
C1029-13	M-Series Loader	Hydraulic Lock Solenoid Open Circuit
C102A-11	Compact Wheel Loader	Hydraulic Fan Short to Ground
C102A-11	Toolcat	Hydraulic Fan Solenoid - Circuit Short to Ground
C102A-12	Toolcat	Hydraulic Fan Solenoid - Circuit Short to Battery
C102A-12	Compact Wheel Loader	Hydraulic Fan Short to Battery
C102A-13	Compact Wheel Loader	Hydraulic Cooling Fan Electrical Problem
C102A-13	Toolcat	Hydraulic Fan Solenoid - Circuit Open
C102A-19	Toolcat	Hydraulic Fan Solenoid - Circuit Current Above Threshold
C102A-19	Compact Wheel Loader	Hydraulic Fan Overcurrent
C102B-11	M-Series Loader	Reverse Fan Short to Ground
C102B-12	M-Series Loader	Reverse Fan Short to Battery
C102B-13	M-Series Loader	Reverse Fan Open Circuit
C102E-12	Small Articulated Loader	Fan Circuit Short to Battery
C102E-14	Small Articulated Loader	Fan Open Circuit
C1030-00	M-Series Loader	Two Speed Shift Not Allowed
C1032-11	M-Series Loader	Brake Pull Output Short to Ground
C1032-12	M-Series Loader	Brake Pull Output Short to Battery
C1032-13	M-Series Loader	Brake Pull Output Open Circuit
C1033-11	M-Series Loader	Left Brake Hold Output Short to Ground
C1033-12	M-Series Loader	Left Brake Hold Output Short to Battery
C1033-13	M-Series Loader	Left Brake Hold Output Open Circuit
C1034-11	M-Series Loader	Right Brake Hold Output Short to Ground
C1034-12	M-Series Loader	Right Brake Hold Output Short to Battery
C1034-13	M-Series Loader	Right Brake Hold Output Open Circuit
C1035-16	M-Series Loader	Left Brake Pull Relay Error Off
C1035-17	M-Series Loader	Left Brake Pull Relay Error On
C1036-16	M-Series Loader	Right Brake Pull Relay Error Off
C1036-17	M-Series Loader	Right Brake Pull Relay Error On
C1039-11	Toolcat	High Flow Solenoid - Circuit Short to Ground
C1039-11	Compact Wheel Loader	High Flow Solenoid Short to Ground
C1039-12	Toolcat	High Flow Solenoid - Circuit Short to Battery
C1039-12	Compact Wheel Loader	High Flow Solenoid Short to Battery
C1039-13	Compact Wheel Loader	High Flow Solenoid Open Circuit
C1039-13	Toolcat	High Flow Solenoid - Circuit Open
C1039-19	M-Series Loader	High Flow Solenoid Overcurrent
C103A-11	M-Series Loader	Ride Control 1 Short to Ground
C103A-12	M-Series Loader	Ride Control 1 Short to Battery

Code	Product	Description
C103A-13	M-Series Loader	Ride Control 1 Open Circuit
C103B-11	M-Series Loader	Ride Control 2 Short to Ground
C103B-12	M-Series Loader	Ride Control 2 Short to Battery
C103B-13	M-Series Loader	Ride Control 2 Open Circuit
C103C-11	M-Series Loader	Bobtach Engage Short to Ground
C103C-11	Toolcat	Bobtach Engage Solenoid - Circuit Short to Ground
C103C-12	M-Series Loader	Bobtach Engage Short to Battery
C103C-12	Toolcat	Bobtach Engage Solenoid - Circuit Short to Battery
C103C-13	Toolcat	Bobtach Engage Solenoid - Circuit Open
C103C-13	M-Series Loader	Bobtach Engage Open Circuit
C103D-11	Toolcat	Bobtach Disengage Solenoid - Circuit Short to Ground
C103D-11	M-Series Loader	Bobtach Disengage Short to Ground
C103D-12	Toolcat	Bobtach Disengage Solenoid - Circuit Short to Battery
C103D-12	M-Series Loader	Bobtach Disengage Short to Battery
C103D-13	M-Series Loader	Bobtach Disengage Open Circuit
C103D-13	Toolcat	Bobtach Disengage Solenoid - Circuit Open
C1040-11	M-Series Loader	Lift Actuator Short to Ground
C1040-12	M-Series Loader	Lift Actuator Short to Battery
C1040-13	M-Series Loader	Lift Actuator Open Circuit
C1040-19	M-Series Loader	Lift Actuator Overcurrent
C1040-77	M-Series Loader	Lift Actuator Reduced Performance
C1041-00	M-Series Loader	Lift Spool Position Sensor Inverted Movement
C1042-00	M-Series Loader	Lift Actuator Uncommanded Motion
C1043-11	Compact Wheel Loader	Lift Cylinder Base Short to Ground
C1043-12	Compact Wheel Loader	Lift Cylinder Base Short to Battery
C1043-13	Compact Wheel Loader	Lift Cylinder Base Open Circuit
C1043-19	Compact Wheel Loader	Lift Cylinder Base Overcurrent
C1044-11	Compact Wheel Loader	Lift Cylinder Rod Short to Ground
C1044-12	Compact Wheel Loader	Lift Cylinder Rod Short to Battery
C1044-13	Compact Wheel Loader	Lift Cylinder Rod Open Circuit
C1044-19	Compact Wheel Loader	Lift Cylinder Rod Overcurrent
C1045-11	M-Series Loader	Tilt Actuator Short to Ground
C1045-12	M-Series Loader	Tilt Actuator Short to Battery
C1045-13	M-Series Loader	Tilt Actuator Open Circuit
C1045-19	M-Series Loader	Tilt Actuator Overcurrent
C1045-77	M-Series Loader	Tilt Actuator Reduced Performance
C1046-00	M-Series Loader	Tilt Spool Position Sensor Inverted Movement
C1047-00	M-Series Loader	Tilt Actuator Uncommanded Motion
C1048-11	Compact Wheel Loader	Tilt Cylinder Rod Short to Ground
C1048-12	Compact Wheel Loader	Tilt Cylinder Rod Short to Battery
C1048-13	Compact Wheel Loader	Tilt Cylinder Rod Open Circuit
C1048-19	Compact Wheel Loader	Tilt Cylinder Rod Overcurrent
C1049-11	Compact Wheel Loader	Tilt Cylinder Base Short to Ground
C1049-12	Compact Wheel Loader	Tilt Cylinder Base Short to Battery
C1049-13	Compact Wheel Loader	Tilt Cylinder Base Open Circuit
C1049-19	Compact Wheel Loader	Tilt Cylinder Base Overcurrent
C104A-00	M-Series Loader	Lift Float Failed to achieve float
C104B-00	M-Series Loader	Lift Float Conditions not favorable
C104C-00	M-Series Loader	Lift Float Failed to maintain float
C1050-11	Compact Wheel Loader	Switched Power Relay Short to Ground
C1050-12	Toolcat	Switched Power Output - Circuit Short to Battery
C1050-12	Compact Wheel Loader	Switched Power Relay Short to Battery

Code	Product	Description
C1050-13	Compact Wheel Loader	Switched Power Relay Open Circuit
C1050-14	Toolcat	Switched Power Output - Circuit Short to Ground or Open
C1050-15	Small Articulated Loader	Switched Power Relay Short to Battery or Open Circuit
C1051-11	M-Series Loader	Two Speed Solenoid Short to Ground
C1051-11	Toolcat	Two Speed Solenoid - Circuit Short to Ground
C1051-12	M-Series Loader	Two Speed Solenoid Short to Battery
C1051-12	Toolcat	Two Speed Solenoid - Circuit Short to Battery
C1051-13	Toolcat	Two Speed Solenoid - Circuit Open
C1051-13	M-Series Loader	Two Speed Solenoid Open Circuit
C1051-19	M-Series Loader	Two Speed Solenoid Overcurrent
C1060-11	Compact Wheel Loader	Brake Short to Ground
C1060-11	Small Articulated Loader	Brake Solenoid Short to Ground
C1060-12	Small Articulated Loader	Brake Solenoid Short to Battery
C1060-12	Compact Wheel Loader	Brake Short to Battery
C1060-13	Small Articulated Loader	Brake Solenoid Open Circuit
C1060-13	Compact Wheel Loader	Brake Open Circuit
C1060-19	Compact Wheel Loader	Brake Solenoid Overcurrent
C1061-11	Toolcat	Brake 1 Solenoid - Circuit Short to Ground
C1061-12	Toolcat	Brake 1 Solenoid - Circuit Short to Battery
C1061-13	Toolcat	Brake 1 Solenoid - Circuit Open
C1061-19	Toolcat	Brake 1 Solenoid - Circuit Current Above Threshold
C1062-11	Toolcat	Brake 2 Solenoid - Circuit Short to Ground
C1062-12	Toolcat	Brake 2 Solenoid - Circuit Short to Battery
C1062-13	Toolcat	Brake 2 Solenoid - Circuit Open
C1062-19	Toolcat	Brake 2 Solenoid - Circuit Current Above Threshold
C1070-11	M-Series Loader	Rear Auxiliary Base Solenoid Short to Ground
C1070-12	M-Series Loader	Rear Auxiliary Base Solenoid Short to Battery
C1070-13	M-Series Loader	Rear Auxiliary Base Solenoid Open Circuit
C1071-11	M-Series Loader	Rear Auxiliary Base Lock Solenoid Short to Ground
C1071-12	M-Series Loader	Rear Auxiliary Base Lock Solenoid Short to Battery
C1071-13	M-Series Loader	Rear Auxiliary Base Lock Open Circuit
C1075-11	M-Series Loader	Rear Auxiliary Rod Solenoid Short to Ground
C1075-12	M-Series Loader	Rear Auxiliary Rod Solenoid Short to Battery
C1075-13	M-Series Loader	Rear Auxiliary Rod Solenoid Open Circuit
C1076-11	M-Series Loader	Rear Auxiliary Rod Lock Solenoid Short to Ground
C1076-12	M-Series Loader	Rear Auxiliary Rod Lock Solenoid Short to Battery
C1076-13	M-Series Loader	Rear Auxiliary Rod Solenoid Open Circuit
C1080-F8	M-Series Loader	Hydraulic Charge Pressure Extremely Low
C1080-F9	M-Series Loader	Low Hydraulic Pump Pressure
C1080-FA	M-Series Loader	Hydraulic Charge Pressure High
C1080-FB	M-Series Loader	Hydraulic Charge Pressure Extremely High
C1080-FD	Small Articulated Loader	Hydraulic Charge Pressure Shutdown
C1090-00	Toolcat	Hydraulic Main Filter Plugged
C1090-00	Compact Wheel Loader	Hydraulic Filter Plugged
C1091-16	Toolcat	Hydraulic Main Filter Switch - Circuit Voltage Below Threshold
C1091-17	Toolcat	Hydraulic Main Filter Switch - Circuit Voltage Above Threshold
C1091-95	Toolcat	Hydraulic Main Filter Pressure Switch - Incorrect Assembly
C1091-95	Compact Wheel Loader	Hydraulic Main Filter Switch Not Connected
C1093-00	M-Series Loader	Hydraulic Case Drain Filter Switch Plugged
C1097-16	M-Series Loader	Hydraulic Charge Pressure Sensor Out of Range Low
C1097-17	M-Series Loader	Hydraulic Charge Pressure Sensor Out of Range High
C1099-FA	Toolcat	Hydraulic Oil Temperature - High

Code	Product	Description
C1099-FA	Compact Wheel Loader	Hydraulic Oil Temperature Too High
C1099-FB	Compact Wheel Loader	Hydraulic Oil Temperature Extremely High
C1099-FB	Toolcat	Hydraulic Oil Temperature - Extremely High
C1099-FC	Compact Wheel Loader	Hydraulic Oil Temperature Performance Reduction
C1099-FD	Small Articulated Loader	Hydraulic Oil Temperature Shutdown
C109A-16	Toolcat	Hydraulic Oil Temperature Sensor - Circuit Voltage Below Threshold
C109A-16	Compact Wheel Loader	Hydraulic Oil Temperature Out of Range Low
C109A-17	Compact Wheel Loader	Hydraulic Oil Temperature Out of Range High
C109A-17	Toolcat	Hydraulic Oil Temperature Sensor - Circuit Voltage Above Threshold
C10A0-16	M-Series Loader	Drive Motor Case Drain Hydraulic Oil Temperature Out of Range Low
C10A0-17	M-Series Loader	Drive Motor Case Drain Hydraulic Oil Temperature Out of Range High
C10A1-FA	M-Series Loader	Drive Motor Case Drain Hydraulic Oil Temperature High
C10A1-FB	M-Series Loader	Drive Motor Case Drain Hydraulic Oil Temperature Extremely High
C10A1-FC	M-Series Loader	Drive Motor Case Drain Hydraulic Oil Temperature Reduced Performance
C10A5-16	M-Series Loader	Pump Case Drain Hydraulic Oil Temperature Out of Range Low
C10A5-17	M-Series Loader	Pump Case Drain Hydraulic Oil Temperature Out of Range High
C10A6-FA	M-Series Loader	Pump Case Drain Hydraulic Oil Temperature High
C10A6-FB	M-Series Loader	Pump Case Drain Hydraulic Oil Temperature Extremely High
C10A6-FC	M-Series Loader	Pump Case Drain Hydraulic Oil Temperature High
C10B0-00	M-Series Loader	Workgroup Disabled Due To Window Fault
C10C0-77	M-Series Loader	Right Swash Plate Commanded Position Not Reachable
C10C0-F0	M-Series Loader	Right Swash Plate Not in Neutral
C10C1-16	M-Series Loader	Right Swash Plate Sensor Out of Range Low
C10C1-17	M-Series Loader	Right Swash Plate Sensor Out of Range High
C10C5-77	M-Series Loader	Left Swash Plate Commanded Position Not Reachable
C10C5-F0	M-Series Loader	Left Swash Plate Not in Neutral
C10C6-16	M-Series Loader	Left Swash Plate Sensor Out of Range Low
C10C6-17	M-Series Loader	Left Swash Plate Sensor Out of Range High
C10CA-77	Toolcat	Swash Plate - Commanded Position Not Reachable
C10CA-F0	Toolcat	Swash Plate - Not in Neutral
C10CB-16	Toolcat	Swash Plate Sensor - Circuit Voltage Below Threshold
C10CB-17	Toolcat	Swash Plate Sensor - Circuit Voltage Above Threshold
C10D0-54	M-Series Loader	Drive Pump Not Calibrated
C10D0-54	Toolcat	Drive Pump - Missing Calibration
C10D1-11	Toolcat	Drive Pump Forward - Circuit Short to Ground
C10D1-11	Compact Wheel Loader	Drive Pump Forward Short to Ground
C10D1-12	Toolcat	Drive Pump Forward - Circuit Short to Battery
C10D1-12	Compact Wheel Loader	Drive Pump Forward Short to Battery
C10D1-13	Compact Wheel Loader	Drive Pump Forward Open Circuit
C10D1-13	Toolcat	Drive Pump Forward - Circuit Open
C10D1-19	Compact Wheel Loader	Drive Pump Forward Overcurrent
C10D1-19	Toolcat	Drive Pump Forward - Circuit Current Above Threshold
C10D2-11	Compact Wheel Loader	Drive Pump reverse Short to Ground
C10D2-11	Toolcat	Drive Pump Reverse - Circuit Short to Ground
C10D2-12	Toolcat	Drive Pump Reverse - Circuit Short to Battery
C10D2-12	Compact Wheel Loader	Drive Pump reverse Short to Battery
C10D2-13	Compact Wheel Loader	Drive Pump reverse Open Circuit
C10D2-13	Toolcat	Drive Pump Reverse - Circuit Open
C10D2-19	Compact Wheel Loader	Drive Pump reverse Overcurrent
C10D2-19	Toolcat	Drive Pump Reverse - Circuit Current Above Threshold
C10E0-16	Small Articulated Loader	Controller 8V Sensor Supply Voltage Low
C10E0-17	Small Articulated Loader	Controller 8V Sensor Supply Voltage High

Code	Product	Description
C10E5-16	Small Articulated Loader	Controller 5V Sensor Supply Voltage Low
C10E5-17	Small Articulated Loader	Controller 5V Sensor Supply Voltage High
C10F0-11	Small Articulated Loader	Lift/Tilt Short to Ground
C10F0-12	Small Articulated Loader	Lift/Tilt Short to Battery
C10F0-13	Small Articulated Loader	Lift/Tilt Open Circuit
C10F1-16	Small Articulated Loader	Lift/Tilt Out of Range Low
C10F1-17	Small Articulated Loader	Lift/Tilt Out of Range High
C10FA-11	Small Articulated Loader	Lift Arm Extension Short to Ground
C10FA-12	Small Articulated Loader	Lift Arm Extension Short to Battery
C10FA-13	Small Articulated Loader	Lift Arm Extension Open Circuit
C10FA-19	Small Articulated Loader	Lift Arm Extension Overcurrent
C10FB-11	Small Articulated Loader	Lift Arm Rod Solenoid Short to Ground
C10FB-12	Small Articulated Loader	Lift Arm Rod Solenoid Short to Battery
C10FB-13	Small Articulated Loader	Lift Arm Rod Solenoid Open Circuit
C10FB-19	Small Articulated Loader	Lift Arm Rod Solenoid Overcurrent
C10FC-11	Small Articulated Loader	Lift Arm Base Solenoid Short to Ground
C10FC-12	Small Articulated Loader	Lift Arm Base Solenoid Short to Battery
C10FC-13	Small Articulated Loader	Lift Arm Solenoid Open Circuit
C10FC-19	Small Articulated Loader	Lift Arm Solenoid Overcurrent
C1100-11	Small Articulated Loader	Travel Circuit Short to Ground
C1100-12	Small Articulated Loader	Travel Circuit Short to Battery
C1100-13	Small Articulated Loader	Travel Circuit Open
C1101-16	Small Articulated Loader	Travel Circuit Out of Range Low
C1101-17	Small Articulated Loader	Travel Circuit Out of Range High
C1110-11	Compact Wheel Loader	Ride Control Circuit Short to Ground
C1110-15	Compact Wheel Loader	Ride Control Circuit Error On
C1111-16	Compact Wheel Loader	Ride Control Feedback Circuit Out of Range Low
C1111-17	Compact Wheel Loader	Ride Control Feedback Circuit Out of Range High
C1130-11	Compact Wheel Loader	Hydraulic Motor reverse Short to Ground
C1130-12	Compact Wheel Loader	Hydraulic Motor reverse Short to Battery
C1130-13	Compact Wheel Loader	Hydraulic Motor reverse Open Circuit
C1130-19	Compact Wheel Loader	Hydraulic Motor Overcurrent
C1150-13	M-Series Loader	Right Drive Motor Direction Open Circuit
C1150-16	M-Series Loader	Right Drive Motor Direction Out of Range Low
C1150-17	M-Series Loader	Right Drive Motor Direction Out of Range High
C1155-13	M-Series Loader	Left Drive Motor Direction Open Circuit
C1155-16	M-Series Loader	Left Drive Motor Direction Out of Range Low
C1155-17	M-Series Loader	Left Drive Motor Direction Out of Range High
C1182-A2	Small Articulated Loader	Alternator Voltage High
C1182-A2	Compact Wheel Loader	Alternator Voltage Low
C1182-A2	Toolcat	Alternator Voltage System Voltage Low
C1182-A3	Toolcat	Alternator Voltage System Voltage High
C1182-A3	Small Articulated Loader	Alternator Voltage Low
C1182-A3	M-Series Loader	Alternator Voltage High
C1183-A3	Compact Wheel Loader	Alternator Voltage High
C1190-00	M-Series Loader	System Voltage Out of Range Low
C1192-00	Compact Wheel Loader	System Voltage Extremely Low
C1192-00	Toolcat	Battery Voltage Extremely Low
C1193-00	Toolcat	Battery Voltage Low
C1193-00	Compact Wheel Loader	System Voltage Too Low
C1195-00	M-Series Loader	System Voltage Extremely Low
C1195-00	Toolcat	Battery Voltage High

Code	Product	Description
C1195-00	Compact Wheel Loader	System Voltage High
C1196-00	Compact Wheel Loader	System Voltage Extremely High
C1196-00	Toolcat	Battery Voltage Extremely High
C119A-F8	Small Articulated Loader	System Voltage Extremely Low
C119A-F9	Small Articulated Loader	System Voltage Too Low
C119A-FA	Small Articulated Loader	System Voltage Extremely Low
C119A-FB	Small Articulated Loader	System Voltage Extremely High
C11A0-11	Toolcat	Servo Enable Solenoid - Circuit Short to Ground
C11A0-12	Toolcat	Servo Enable Solenoid - Circuit Short to Battery
C11A0-13	Toolcat	Servo Enable Solenoid - Circuit Open
C11C0-11	M-Series Loader	Left Forward Drive Solenoid Error Off
C11C0-12	M-Series Loader	Left Forward Drive Solenoid Error On
C11C2-11	M-Series Loader	Left Reverse Drive Solenoid Error Off
C11C2-12	M-Series Loader	Left Reverse Drive Solenoid Error On
C11C4-11	M-Series Loader	Right Forward Drive Solenoid Error Off
C11C4-12	M-Series Loader	Right Forward Drive Solenoid Error On
C11C6-11	M-Series Loader	Right Reverse Drive Solenoid Error Off
C11C6-12	M-Series Loader	Right Reverse Drive Solenoid Error On
C11F0-94	Toolcat	Diverter Switch - Unexpected Operation
C1200-11	Compact Wheel Loader	Power Exchange Unlock Short to Ground
C1200-12	Compact Wheel Loader	Power Exchange Unlock Short to Battery
C1200-13	Compact Wheel Loader	Power Exchange Unlock Open Circuit
C1205-11	Compact Wheel Loader	Power Exchange Lock Short to Ground
C1205-12	Compact Wheel Loader	Power Exchange Lock Short to Battery
C1205-13	Compact Wheel Loader	Power Exchange Lock Open Circuit
C1220-11	Compact Wheel Loader	Diff-Lock Short to Ground
C1220-12	Compact Wheel Loader	Diff-Lock Short to Battery
C1220-13	Compact Wheel Loader	Diff-Lock Open Circuit
C1220-19	Compact Wheel Loader	Diff-Lock Overcurrent
C1221-17	Compact Wheel Loader	Diff-Lock Sensor Out of Range High
C1250-F9	Compact Wheel Loader	Park Brake Pressure Low
C1250-FA	Compact Wheel Loader	Park Brake Pressure High
C1251-16	Compact Wheel Loader	Park Brake Pressure Sensor Circuit Out of Range Low
C1251-17	Compact Wheel Loader	Park Brake Pressure Sensor Circuit Out of Range High
C1260-F9	Compact Wheel Loader	Service Brake Pressure Low
C1260-FA	Compact Wheel Loader	Service Brake Pressure High
C1260-FB	Compact Wheel Loader	Service Brake Pressure Extremely High
C1261-16	Compact Wheel Loader	Service Brake Pressure Sensor Circuit Out of Range Low
C1261-17	Compact Wheel Loader	Service Brake Pressure Sensor Circuit Out of Range High
C1270-F9	Compact Wheel Loader	Steering Pressure Low
C1271-16	Compact Wheel Loader	Steering Pressure Sensor Circuit Out of Range Low
C1271-17	Compact Wheel Loader	Steering Pressure Sensor Circuit Out of Range High
C1280-F9	Compact Wheel Loader	Reserve Brake Pressure Low
C1280-FA	Compact Wheel Loader	Reserve Brake Pressure High
C1280-FB	Compact Wheel Loader	Reserve Brake Pressure Extremely Low
C1281-16	Compact Wheel Loader	Reserve Brake Pressure Sensor Circuit Out of Range Low
C1281-17	Compact Wheel Loader	Reserve Brake Pressure Sensor Circuit Out of Range High
C1290-17	Toolcat	PTO Speed Sensor - Circuit Voltage Above Threshold
C1291-FA	Toolcat	PTO Speed - High
C1291-FB	Toolcat	PTO Speed - Extremely High
C1292-FD	Toolcat	PTO - In Shutdown
C1293-92	Toolcat	PTO Switch - Performance or Incorrect Operation

Code	Product	Description
C1295-13	Toolcat	Traction Control Speed Sensor - Circuit Open
C1295-16	Toolcat	Traction Control Speed Sensor - Circuit Voltage Below Threshold
C1295-17	Toolcat	Traction Control Speed Sensor - Circuit Voltage Above Threshold
C129A-13	Toolcat	Main Speed Sensor - Circuit Open
C129A-16	Toolcat	Main Speed Sensor - Circuit Voltage Below Threshold
C129A-17	Toolcat	Main Speed Sensor - Circuit Voltage Above Threshold
C12B0-11	Toolcat	Lift Spool Lock - Circuit Short to Ground
C12B0-12	Toolcat	Lift Spool Lock - Circuit Short to Battery
C12B0-13	Toolcat	Lift Spool Lock - Circuit Open
C12B5-11	Toolcat	Tilt Spool Lock - Circuit Short to Ground
C12B5-12	Toolcat	Tilt Spool Lock - Circuit Short to Battery
C12B5-13	Toolcat	Tilt Spool Lock - Circuit Open
C12BA-11	Toolcat	Box Spool Lock - Circuit Short to Ground
C12BA-12	Toolcat	Box Spool Lock - Circuit Short to Battery
C12BA-13	Toolcat	Box Spool Lock - Circuit Open
C12F0-FB	Compact Wheel Loader	Hydromotor Speed Extremely High
C12F1-31	Compact Wheel Loader	Hydromotor Speed Sensor Not Connected
C1300-16	Compact Wheel Loader	Inching Sensor Circuit Out of Range Low
C1300-17	Compact Wheel Loader	Inching Sensor Circuit Out of Range High
C1401-11	Toolcat	AWS Solenoid 1 - Circuit Short to Ground
C1401-12	Toolcat	AWS Solenoid 1 - Circuit Short to Battery
C1401-13	Toolcat	AWS Solenoid 1 - Circuit Open
C1402-11	Toolcat	AWS Solenoid 2 - Circuit Short to Ground
C1402-12	Toolcat	AWS Solenoid 2 - Circuit Short to Battery
C1402-13	Toolcat	AWS Solenoid 2 - Circuit Open
C1403-11	Toolcat	AWS Solenoid 3 - Circuit Short to Ground
C1403-12	Toolcat	AWS Solenoid 3 - Circuit Short to Battery
C1403-13	Toolcat	AWS Solenoid 3 - Circuit Open
C3014	Telehandler	LLMC Sensor Offset
C3015	Telehandler	LLMC Sensor Out of Range
C3016	Telehandler	LLMC Sensor Default
C3017	Telehandler	LLMC Sensor ID Error
C3018	Telehandler	LLMC Sensor Rx Out of Delay
C3113	Telehandler	LLMC Calibration Values Out of Range
C3121	Telehandler	LLMC Calibration Values Inverted
C3122	Telehandler	LLMC Calibration Values Too Close
C3123	Telehandler	LLMC Calibration Timeout
C3801	Telehandler	LLMC EEPROM Failure
C3803	Telehandler	LLMC External Watchdog Default
C3804	Telehandler	LLMC Wrong RAM Test
C3805	Telehandler	LLMC Wrong Program Checksum
CP706	M-Series Loader	TestCP706
D0217	Telehandler	Hydraulic filter plugged
D0321	Telehandler	Battery Voltage OOR High
D0322	Telehandler	Battery Voltage OOR Low
D0421	Telehandler	Inching Pedal OOR High
D0422	Telehandler	Inching Pedal OOR Low
D0428	Telehandler	Inching Pedal In error
D0605	Telehandler	Vehicle speed Short To Battery
D0606	Telehandler	Vehicle speed Short To Ground
D0607	Telehandler	Vehicle speed Open circuit
D0611	Telehandler	Vehicle speed extremely high

Code	Product	Description
D0613	Telehandler	Vehicle speed No Signal
D0721	Telehandler	Hydraulic Oil Temperature OOR High
D0722	Telehandler	Hydraulic Oil Temperature OOR Low
D0821	Telehandler	Frame leveling Pressure Sensor Out Of Range High
D0822	Telehandler	frame leveling Pressure Sensor Out Of Range Low
D0909	Telehandler	Park Brake Pressure Low
D0910	Telehandler	Park Brake Pressure High
D0911	Telehandler	Park Brake Pressure Extremely High
D0921	Telehandler	Park Brake Pressure Out of Range High
D0922	Telehandler	Park Brake Pressure Out of Range Low
D1002	Telehandler	Passive Brake Output Short To Battery or Open circuit
D1003	Telehandler	Passive Brake Valve Short To Ground
D1005	Telehandler	Passive Brake Output Short To Battery
D1006	Telehandler	Passive Brake Output Short To Ground
D1007	Telehandler	Passive Brake Output Open Circuit
D1032	Telehandler	Passive Brake Output Overcurrent
D1128	Telehandler	Park Brake Dashboard Switch In Error
D1145	Telehandler	Park Brake Dashboard Switch Disagree
D1202	Telehandler	EMEA Trailer Brake output Error On (Short To Battery)
D1203	Telehandler	EMEA Trailer Brake output Error Off (Short To Gound)
D1207	Telehandler	EMEA Trailer Brake output Open circuit
D1233	Telehandler	EMEA Trailer Brake output Controller Internal failure
D1302	Telehandler	EMEA Trailer Brake Relay Error On
D1303	Telehandler	EMEA Trailer Brake Relay Error Off
D1402	Telehandler	Brake Light Output Error On
D1402	Telehandler	Trailer Brake Command Line Output Error On
D1403	Telehandler	Trailer Brake Command Line Output Error Off
D1403	Telehandler	Brake Light Output Error Off
D1407	Telehandler	Trailer Brake Command Line Output Open Circuit
D1407	Telehandler	Brake Light Output Open Circuit
D1433	Telehandler	Trailer Brake Command Line Output Internal failure
D1433	Telehandler	Brake Light Output Internal failure
D1502	Telehandler	Trailer Brake Command Line Relay Error On
D1502	Telehandler	Brake Light Relay Error On
D1503	Telehandler	Trailer Brake Command Line Relay Error Off
D1503	Telehandler	Brake Light Relay Error Off
D1605	Telehandler	Drive Pump Forward Coil Short To Battery
D1606	Telehandler	Drive Pump Forward Coil Short To Ground
D1607	Telehandler	Drive Pump Forward Coil Open circuit
D1632	Telehandler	Drive Pump Forward Coil Overcurrent
D1705	Telehandler	Drive Pump Reverse Coil Short To Battery
D1706	Telehandler	Drive Pump Reverse Coil Short To Ground
D1707	Telehandler	Drive Pump Reverse Coil Open circuit
D1732	Telehandler	Drive Pump Reverse Coil Overcurrent
D1802	Telehandler	Stabilisers / Aux diverter output valve error ON
D1803	Telehandler	Stabilisers / Aux diverter output valve error OFF
D1807	Telehandler	Stabilisers / Aux diverter output open circuit
D1825	Telehandler	Stabilisers / Aux diverter output Unresponsive
D1902	Telehandler	Stabilisers / Aux diverter relay feedback error ON
D1903	Telehandler	Stabilisers / Aux diverter relay feedback error OFF
D2002	Telehandler	Low speed output (hydraulic motor) Error On
D2003	Telehandler	Low speed output (hydraulic motor) Error Off

Code	Product	Description
D2007	Telehandler	Low speed output (hydraulic motor) Open circuit
D2033	Telehandler	Low speed output (hydraulic motor) Controller Internal failure
D2102	Telehandler	Low speed Relay Error On
D2103	Telehandler	Low speed Relay Error Off
D2202	Telehandler	Defeat valve output (hydraulic motor) Error On
D2203	Telehandler	Defeat valve output (hydraulic motor) Error Off
D2207	Telehandler	Defeat valve output (hydraulic motor) Open circuit
D2233	Telehandler	Defeat valve output Controller Internal failure
D2302	Telehandler	Defeat valve relay Error On
D2303	Telehandler	Defeat valve relay Error Off
D2502	Telehandler	Left stabilizer on the floor Error ON
D2503	Telehandler	Left stabilizer on the floor Error OFF
D2609	Telehandler	Hydraulic Steering Pressure Low
D2621	Telehandler	Hydraulic Steering Pressure Out of Range High
D2702	Telehandler	Right stabilizer on the floor Error ON
D2703	Telehandler	Right stabilizer on the floor Error OFF
D2821	Telehandler	Left stabilizer Pressure Sensor Out Of Range High
D2822	Telehandler	Left stabilizer Pressure Sensor Out Of Range Low
D2921	Telehandler	Right stabilizer Pressure Sensor Out Of Range High
D2922	Telehandler	Right stabilizer Pressure Sensor Out Of Range Low
D3005	Telehandler	Stabilizers Right Output Short To Battery
D3006	Telehandler	Stabilizers Right Output Short To Ground
D3007	Telehandler	Stabilizers Right Output Open circuit
D3024	Telehandler	Stabilizers Right Output Not In Neutral
D3105	Telehandler	Stabilizers Left Output Short To Battery
D3106	Telehandler	Stabilizers Left Output Short To Ground
D3107	Telehandler	Stabilizers Left Output Open circuit
D3124	Telehandler	Stabilizers Left Output Not In Neutral
D3204	Telehandler	Workgroup controller No Communication
D3304	Telehandler	Gateway controller No Communication
D3404	Telehandler	Display controller No Communication
D3604	Telehandler	Engine controller No Communication
D3723	Telehandler	Programming or constant data invalid
D3728	Telehandler	Drive Controller failure
D3796	Telehandler	Interrupted power
D3797	Telehandler	Drive Controller programmed
D3905	M-Series Loader	Left Joystick X-Axis Not in Neutral
D3907	M-Series Loader	Left Joystick Y-Axis Not in Neutral
D4004	Telehandler	Joystick No communication
D4007	M-Series Loader	Right Joystick Y-Axis Not in Neutral
D4011	Telehandler	Joystick Right roller Out Of Neutral (Auxiliary)
D4028	Telehandler	Joystick Grip Fault
D4113	Telehandler	FNR lever no Signal
D4128	Telehandler	FNR multiple inputs active
D4402	Telehandler	Power Quicktach output Error On
D4403	Telehandler	Power Quicktach output Error Off
D4407	Telehandler	Power Quicktach Output Open circuit
D4502	Telehandler	Power Quicktach Relay feedback Error On
D4503	Telehandler	Power Quicktach Relay feedback Error Off
D4528	Telehandler	Power Quicktach Switch in error
D4621	Telehandler	Voltage Sensor 5V OOR High
D4622	Telehandler	Voltage Sensor 5V OOR Low

Code	Product	Description
D4705	Telehandler	Frame leveling Output Short To Battery
D4706	Telehandler	Frame leveling Output Short To Ground
D4707	Telehandler	Frame leveling Output Open circuit
D4724	Telehandler	Frame leveling Output Not In Neutral
D4802	Telehandler	Park Brake Reserve Pressure Valve Output Error On
D4803	Telehandler	Park Brake Reserve Pressure Valve Output Error Off
D4807	Telehandler	Park Brake Reserve Pressure Valve Output Open Circuit
D4902	Telehandler	Park Brake Reserve Pressure Valve Relay Feedback Error On
D4903	Telehandler	Park Brake Reserve Pressure Valve Relay Feedback Error Off
D5005	Telehandler	Rear Aux./Hook UP Valve Short to Battery
D5006	Telehandler	Rear Aux./Hook UP Valve Short to Ground
D5007	Telehandler	Rear Aux./Hook UP Valve Open Circuit
D5105	Telehandler	Rear Aux./Hook DOWN Valve Short to Battery
D5106	Telehandler	Rear Aux./Hook DOWN Valve Short to Ground
D5107	Telehandler	Rear Aux./Hook DOWN Valve Open Circuit
D5205	Telehandler	Rear Aux./Hook ACTIVATION Valve Short to Battery
D5206	Telehandler	Rear Aux./Hook ACTIVATION Valve Short to Ground
D5207	Telehandler	Rear Aux./Hook ACTIVATION Valve Open Circuit
D5232	Telehandler	Rear Aux./Hook ACTIVATION Valve Overcurrent
D5328	Telehandler	Rear Aux./Hook Dashbord Switch In Error
D5421	Telehandler	Auxiliary spool sensor Out Of Range high
D5422	Telehandler	Auxiliary spool sensor Out Of Range low
D5424	Telehandler	Auxiliary spool sensor not in neutral
D5425	Telehandler	Auxiliary spool sensor unresponsive
D5521	Telehandler	SwashPlate Sensor1 OORH
D5522	Telehandler	SwashPlate Sensor1 OORL
D5621	Telehandler	Swash Plate Sensor2 OORH
D5622	Telehandler	Swash Plate Sensor2 OORL
D5715	Telehandler	Swash Plate shutdown
D5744	Telehandler	Swash Plate dual fault
D5745	Telehandler	Swash Plate disagree
D5746	Telehandler	Swash plate unresponsive
D5786	Telehandler	Swash plate Safe Stop failure
D5815	Telehandler	Safe Start Shutdown
D5824	Telehandler	Safe Start Swash Out Of Neutral
D5835	Telehandler	Safe Start Dump valve stuck on
D5911	Telehandler	Overspeed fault
D5915	Telehandler	Overspeed shutdown
D5928	Telehandler	Overspeed failure
D5986	Telehandler	Overspeed failure
D6021	Telehandler	Servo Pressure Out of Range High
D6022	Telehandler	Servo Pressure Out of Range Low
D6202	Telehandler	Creep Light Error On
D6203	Telehandler	Creep Light Error Off
D6302	Telehandler	Creep Switch Error On
D6505	Telehandler	Gear 1 (Gearbox) Short To Battery
D6506	Telehandler	Gear 1 (Gearbox) Short To Ground
D6507	Telehandler	Gear 1 (Gearbox) Open Circuit
D6605	Telehandler	Gear 2 (Gearbox) Short To Battery
D6606	Telehandler	Gear 2 (Gearbox) Short To Ground
D6607	Telehandler	Gear 2 (Gearbox) Open Circuit
D6702	Telehandler	Gearshift sensor Error On

Code	Product	Description
D6760	Telehandler	Gearshift sensor - Shift didn't start / no shift
D6761	Telehandler	Gearshift sensor - Shift too long / locked
D6824	Telehandler	Frame leveling switch Not in Neutral
D6902	Telehandler	Gear switch 1/2 Error On (dashboard)
D7002	Telehandler	High/Low speed switch Error on (left lever)
D7102	Telehandler	Backup alarm Output Error On
D7103	Telehandler	Backup alarm Output Error Off
D7107	Telehandler	Backup alarm Output Open Circuit
D7133	Telehandler	Backup alarm Output Internal Failure
D7202	Telehandler	Backup alarm Relay Feedback Error On
D7203	Telehandler	Backup alarm Relay Feedback Error Off
D7209	Telehandler	Service Brake Pressure Low
D7210	Telehandler	Service Brake Pressure High
D7214	Telehandler	Service Brake Pressure Extremely Low
D7221	Telehandler	Service Brake Pressure Out of Range High
D7222	Telehandler	Service Brake Pressure Out of Range Low
D7309	Telehandler	Service Brake Reserve Pressure Low
D7310	Telehandler	Service Brake Reserve Pressure High
D7321	Telehandler	Service Brake Reserve Pressure Out of Range High
D7322	Telehandler	Service Brake Reserve Pressure Out of Range Low
D7501	M-Series Loader	Drive/Drive+ CAN Joystick Information Error
D7502	M-Series Loader	Drive Controller Needs Programming
D7504	M-Series Loader	Drive No Communication from Drive Controller
D7505	M-Series Loader	Drive Left Joystick X-Axis Not in Neutral
D7506	M-Series Loader	Drive+ Steering valve cartridge stuck
D7507	M-Series Loader	Drive Left Joystick Y-Axis Not in Neutral
D7508	M-Series Loader	Drive Right Joystick Y-Axis Not in Neutral
D7509	M-Series Loader	Drive ISO/H Pattern Switch Short to Ground or Battery
D7509	Telehandler	Park Brake Reserve Pressure Low
D7510	M-Series Loader	Drive Improper Joysticks installed
D7511	M-Series Loader	Drive Left speed sensor not connected.
D7512	M-Series Loader	Drive Right speed sensor not connected
D7513	M-Series Loader	Drive+ Right Front Wheel Angle Sensor Stuck
D7514	M-Series Loader	Drive+ Left Front Wheel Angle Sensor Stuck
D7515	M-Series Loader	Drive+ Right Rear Wheel Angle Sensor Stuck
D7516	M-Series Loader	Drive+ Left Rear Wheel Angle Sensor Stuck
D7517	M-Series Loader	Drive Left Swash Plate Not in Neutral
D7518	M-Series Loader	Drive Right Swash Plate Not in Neutral
D7519	M-Series Loader	Drive Left Joystick X-Axis Out of Range High
D7521	M-Series Loader	Drive Left Joystick Y-Axis Out of Range High
D7522	M-Series Loader	Drive Right Joystick Y-Axis Out of Range High
D7523	M-Series Loader	Drive+ Right Front Wheel Angle Sensor Out of Range High
D7524	M-Series Loader	Drive+ Left Front Wheel Angle Sensor Out of Range High
D7525	M-Series Loader	Drive+ Right Rear Wheel Angle Sensor Out of Range High
D7526	M-Series Loader	Drive+ Left Rear Wheel Angle Sensor Out of Range High
D7527	M-Series Loader	Drive Left Swash Plate Out of Position
D7528	M-Series Loader	Drive Right Swash Plate Out of Position
D7529	M-Series Loader	Drive Left Joystick X-Axis Out of Range Low
D7531	M-Series Loader	Drive Left Joystick Y-Axis Out of Range Low
D7532	M-Series Loader	Drive Right Joystick Y-Axis Out of Range Low
D7533	M-Series Loader	Drive+ Right Front Wheel Angle Sensor Out of Range Low
D7534	M-Series Loader	Drive+ Left Front Wheel Angle Sensor Out of Range Low

Code	Product	Description
D7535	M-Series Loader	Drive+ Right Rear Wheel Angle Sensor Out of Range Low
D7536	M-Series Loader	Drive+ Left Rear Wheel Angle Sensor Out of Range Low
D7537	M-Series Loader	Drive 5 Volt Sensor Supply 1 Out of Range Low
D7538	M-Series Loader	Drive+ Sensor Supply 2 Out of Range Low
D7539	M-Series Loader	Drive Left Swash Plate Sensor Out of Range High
D7540	M-Series Loader	Drive Left Swash Plate Sensor Out of Range Low
D7541	M-Series Loader	Drive Right Swash Plate Sensor Out of Range High
D7542	M-Series Loader	Drive Right Swash Plate Sensor Out of Range Low
D7543	M-Series Loader	Drive Left Forward Drive Solenoid Error On
D7544	M-Series Loader	Drive Left Reverse Drive Solenoid Error On
D7545	M-Series Loader	Drive Right Forward Drive Solenoid Error On
D7546	M-Series Loader	Drive Right Reverse Drive Solenoid Error On
D7547	M-Series Loader	Drive+ Right Front Steer Extend Short to Battery
D7548	M-Series Loader	Drive+ Left Front Steer Extend Short to Battery
D7549	M-Series Loader	Drive+ Right Rear Steer Extend Short To Battery
D7550	M-Series Loader	Drive+ Left Rear Steer Extend Short to Battery
D7551	M-Series Loader	Drive+ Steer Pressure Short To Battery
D7552	M-Series Loader	Drive Backup Alarm Error On
D7553	M-Series Loader	Drive Left Forward Drive Solenoid Error Off
D7554	M-Series Loader	Drive Left Reverse Drive Solenoid Error Off
D7555	M-Series Loader	Drive Right Forward Drive Solenoid Error Off
D7556	M-Series Loader	Drive Right Reverse Drive Solenoid Error Off
D7557	M-Series Loader	Drive+ Right Front Steer Extend Short to Ground
D7558	M-Series Loader	Drive+ Right Front Steer Retract Short to Ground
D7559	M-Series Loader	Drive+ Left Front Steer Extend Short to Ground
D7560	M-Series Loader	Drive+ Left Front Steer Retract Short to Ground
D7561	M-Series Loader	Drive+ Right Rear Steer Extend Short to Ground
D7562	M-Series Loader	Drive+ Right Rear Steer Retract Short to Ground
D7563	M-Series Loader	Drive+ Left Rear Steer Extend Short to Ground
D7564	M-Series Loader	Drive+ Left Rear Steer Retract Short to Ground
D7565	M-Series Loader	Drive+ Stree Pressure Short to Ground
D7566	M-Series Loader	Drive Backup Alarm Error Off
D7567	M-Series Loader	Drive No Communication from Bobcat Controller
D7568	M-Series Loader	Drive+ Angle Sensors Not Calibrated
D7569	M-Series Loader	Drive Battery Voltage Out of Range High
D7570	M-Series Loader	Drive Interrupted Power (also occurs after software updates)
D7571	M-Series Loader	Drive Battery Voltage Out of Range Low
D7572	M-Series Loader	Drive Drive Pump Not Calibrated
D7573	M-Series Loader	Drive ISO/H Pattern Switch Flipped While Operating
D7574	M-Series Loader	Drive Right Wheel Speed Uncommanded Motion
D7575	M-Series Loader	Drive Left Wheel Speed Uncommanded Motion
D7576	M-Series Loader	Drive No Communication from ACS Controller
D7577	M-Series Loader	Drive Left Speed Sensor Out of Range High
D7578	M-Series Loader	Drive Right Speed Sensor Out of Range High
D7579	M-Series Loader	Drive Left Speed Sensor Out of Range Low
D7580	M-Series Loader	Drive Right Speed Sensor Out of Range Low
D7581	M-Series Loader	Drive+ Right Front Steer Retract Short to Battery
D7582	M-Series Loader	Drive+ Left Front Steer Retract Short to Battery
D7583	M-Series Loader	Drive+ right Rear Steer Retract Short to Battery
D7584	M-Series Loader	Drive+ Left Rear Steer Retract Short to Battery
D7585	M-Series Loader	Drive 5 Volt Sensor Supply 1 Out of Range High
D7586	M-Series Loader	Drive+ Sensor Supply 2 Out of Range High

Code	Product	Description
D7587	M-Series Loader	Drive Software Update Required
D7588	M-Series Loader	Drive/Drive+ Switched Power Stuck On
D7589	M-Series Loader	Drive Switched Power Error Off
D7590	M-Series Loader	Drive Drive calibration performed
D7591	M-Series Loader	Drive Left Swashplate Sensor Reversed
D7592	M-Series Loader	Drive Right Swashplate Sensor Reversed
D7593	M-Series Loader	Drive Unresponsive Right Speed Sensor
D7594	M-Series Loader	Drive Unresponsive Left Speed Sensor
D7595	M-Series Loader	Drive Left Speed Sensor Reverse Direction
D7596	M-Series Loader	Drive Right Speed Sensor Reverse Direction
D7597	M-Series Loader	Drive Controller Programmed
D7598	M-Series Loader	Drive Controller in Calibration Mode
D7599	M-Series Loader	Drive Controller in Angle Calibration Mode
D7605	Telehandler	Aux Female Output Short To Battery
D7606	Telehandler	Aux Female Output Short To Ground
D7607	Telehandler	Aux Female Output Open Circuit
D7632	Telehandler	Aux Female Output Overcurrent
D7705	Telehandler	Aux Male Output Short To Battery
D7706	Telehandler	Aux Male Output Short To Ground
D7707	Telehandler	Aux Male Output Open Circuit
D7732	Telehandler	Aux Male Output Overcurrent
D7802	Telehandler	DEF Tank Elec fan relay Error ON
D7803	Telehandler	SCR Elec fan relay error OFF
D7902	Telehandler	ACD Switches Error On
D8002	Telehandler	Dump valve Short To Battery
D8003	Telehandler	Dump valve Short To Ground
D8007	Telehandler	Dump valve Open circuit
D8032	Telehandler	Dump valve Overcurrent
D8110	Telehandler	LS Pump Pressure High
D8121	Telehandler	LS Pump Pressure Out of Range High
D8122	Telehandler	LS Pump Pressure Out of Range Low
D8202	Telehandler	Boom Suspension Valve Error On
D8203	Telehandler	Boom Suspension Valve Error Off
D8207	Telehandler	Boom Suspension Open Circuit
D8232	Telehandler	Boom Suspension Overcurrent
D8302	Telehandler	Stabilizers ON/OFF output valve Error On
D8303	Telehandler	Stabilizers ON/OFF output valve Error Off
D8307	Telehandler	Stabilizers ON/OFF output Open circuit
D8402	Telehandler	Stabilizers ON/OFF Relay feedback Error On
D8403	Telehandler	Stabilizers ON/OFF Relay feedback Error Off
D8505	Telehandler	Stabilizers Left Up Output Short To Battery
D8506	Telehandler	Stabilizers Left Up Output Short To Ground
D8507	Telehandler	Stabilizers Left Up Output Open circuit
D8605	Telehandler	Stabilizers Left Down Output Short To Battery
D8606	Telehandler	Stabilizers Left Down Output Short To Ground
D8607	Telehandler	Stabilizers Left Down Output Open circuit
D8705	Telehandler	Stabilizers Right Up Output Short To Battery
D8706	Telehandler	Stabilizers Right Up Output Short To Ground
D8707	Telehandler	Stabilizers Right Up Output Open circuit
D8805	Telehandler	Stabilizers Right Down Output Short To Battery
D8806	Telehandler	Stabilizers Right Down Output Short To Ground
D8807	Telehandler	Stabilizers Right Down Output Open circuit

Code	Product	Description
D8902	Telehandler	Stabilizers Active Switch Error On
D9098	Telehandler	Drive Controller Calibration Performed
D9099	Telehandler	Drive Calibration Required
D9199	Telehandler	Swash Plate Neutral range calibration required (drive pump) - See procedure
D9299	Telehandler	Swash Plate maximal range calibration required (drive pump) - See procedure
D9302	Telehandler	Trailer Brake Supplementary Line Output Error On
D9303	Telehandler	Trailer Brake Supplementary Line Output Error Off
D9307	Telehandler	Trailer Brake Supplementary Line Output Open Circuit
D9333	Telehandler	Trailer Brake Supplementary Line Output Internal failure
D9402	Telehandler	Trailer Brake Supplementary Line Relay Error On
D9403	Telehandler	Trailer Brake Supplementary Line Relay Error Off
D9509	Telehandler	Trailer Brake Reserve Pressure Low
D9605	Telehandler	Redundancy Park Brake Output Short To Battery
D9606	Telehandler	Redundancy Park Brake Output Short To Ground
D9607	Telehandler	Redundancy Park Brake Output Open Circuit
D9999	Telehandler	Bad constant Data Table
H0104	M-Series Excavator	Boom Angle Sensor No Communication
H0204	M-Series Excavator	Arm Angle Sensor No Communication
H0304	M-Series Excavator	Bucket Angle Sensor No Communication
H0321	Telehandler	Battery Voltage OOR High
H0322	Telehandler	Battery Voltage OOR Low
H0405	M-Series Excavator	Angle Sensor Supply Short To Battery
H0406	M-Series Excavator	Angle Sensor Supply Short To Ground
H0407	M-Series Excavator	Angle Sensor Supply Open Circuit
H0705	M-Series Excavator	Aux 4 Base Short to Battery
H0706	M-Series Excavator	Aux 4 Base Short to Ground
H0707	M-Series Excavator	Aux 4 Base Open Circuit
H0732	M-Series Excavator	Aux 4 Base Overcurrent
H0805	M-Series Excavator	Aux 4 Rod Short to Battery
H0806	M-Series Excavator	Aux 4 Rod Short to Ground
H0807	M-Series Excavator	Aux 4 Rod Open Circuit
H0832	M-Series Excavator	Aux 4 Rod Overcurrent
H0905	M-Series Excavator	Direct To Tank Short to Battery
H0906	M-Series Excavator	Direct to Tank Short to Ground
H0907	M-Series Excavator	Direct to Tank Open Circuit
H0932	M-Series Excavator	Direct to Tank Overcurrent
H1005	Telehandler	Rear diverter 1 output Short To Battery
H1006	Telehandler	Rear diverter 1 output Short To Ground
H1007	Telehandler	Rear diverter 1 output Open Circuit
H1102	Telehandler	Rear diverter 2 output Error On
H1103	Telehandler	Rear diverter 2 output Error Off
H1107	Telehandler	Rear diverter 2 output Open Circuit
H1202	Telehandler	Rear diverter 2 output Relay Feedback Error On
H1203	Telehandler	Rear diverter 2 output Relay Feedback Error Off
H1221	M-Series Loader	Right Primary Out of Range High
H1222	M-Series Loader	Right Primary Out of Range Low
H1224	M-Series Loader	Right Primary Not in Neutral
H1302	Telehandler	Front / Rear diverter sensor Error On
H1303	Telehandler	Front / Rear diverter sensor Error Off
H1324	M-Series Loader	Left Primary Not in Neutral
H1421	M-Series Loader	Lift Base Pressure Out of Range High
H1422	M-Series Loader	Lift Base Pressure Out of Range Low

Code	Product	Description
H1502	M-Series Loader	Ride Control Relay Error On
H1503	M-Series Loader	Ride Control Relay Error Off
H1602	M-Series Loader	Ride Control Output Error On
H1603	M-Series Loader	Ride Control Output Error Off
H1607	M-Series Loader	Ride Control Output Open Circuit
H1628	M-Series Loader	Ride Control Output Failure
H2005	Telehandler	Rear Aux./Hook UP Valve Short to Battery
H2006	Telehandler	Rear Aux./Hook UP Valve Short to Ground
H2007	Telehandler	Rear Aux./Hook UP Valve Open Circuit
H2105	Telehandler	Rear Aux./Hook DOWN Valve Short to Battery
H2105	M-Series Loader	Reverse Fan Solenoid Short To Battery
H2106	Telehandler	Rear Aux./Hook DOWN Valve Short to Ground
H2106	M-Series Loader	Reverse Fan Solenoid Short to Ground
H2107	Telehandler	Rear Aux./Hook DOWN Valve Open Circuit
H2107	M-Series Loader	Reverse Fan Solenoid Open Circuit
H2132	M-Series Loader	Reverse Fan Solenoid Overcurrent
H2205	Telehandler	Rear Aux./Hook ACTIVATION Valve Short to Battery
H2206	Telehandler	Rear Aux./Hook ACTIVATION Valve Short to Ground
H2207	Telehandler	Rear Aux./Hook ACTIVATION Valve Open Circuit
H2232	Telehandler	Rear Aux./Hook ACTIVATION Valve Overcurrent
H2305	M-Series Loader	Rear Base Solenoid Short to Battery
H2306	M-Series Loader	Rear Base Solenoid Short to Ground
H2307	M-Series Loader	Rear Base Solenoid Open Circuit
H2328	Telehandler	Rear Aux./Hook Dashbord Switch In Error
H2332	M-Series Loader	Rear Base Solenoid Overcurrent
H2405	M-Series Loader	Rear Rod Solenoid Short to Battery
H2406	M-Series Loader	Rear Rod Solenoid Short to Ground
H2407	M-Series Loader	Rear Rod Solenoid Open Circuit
H2432	M-Series Loader	Rear Rod Solenoid Overcurrent
H2505	M-Series Loader	Diverter Solenoid #2 Short to Battery
H2506	M-Series Loader	Diverter Solenoid #2 Short to Ground
H2521	M-Series Excavator	Angle Blade Control Switch Out Of Range High
H2522	M-Series Excavator	Angle Blade Control Switch Out Of Range Low
H2524	M-Series Excavator	Angle Blade Control Switch Out Of Neutral
H2605	M-Series Excavator	Angle Blade Base Solenoid Short To Battery
H2605	M-Series Loader	Front Base Solenoid Short to Battery
H2606	M-Series Loader	Front Base Solenoid Short to Ground
H2606	M-Series Excavator	Angle Blade Base Solenoid Short To Ground
H2607	M-Series Excavator	Angle Blade Base Solenoid Open Circuit
H2607	M-Series Loader	Front Base Solenoid Open Circuit
H2632	M-Series Loader	Front Base Solenoid Overcurrent
H2632	M-Series Excavator	Angle Blade Base Solenoid Overcurrent
H2705	M-Series Loader	Front Rod Solenoid Short to Battery
H2705	M-Series Excavator	Angle Blade Rod Solenoid Short To Battery
H2706	M-Series Excavator	Angle Blade Rod Solenoid Short To Ground
H2706	M-Series Loader	Front Rod Solenoid Short to Ground
H2707	M-Series Excavator	Angle Blade Rod Solenoid Open Circuit
H2707	M-Series Loader	Front Rod Solenoid Open Circuit
H2732	M-Series Loader	Front Rod Solenoid Overcurrent
H2732	M-Series Excavator	Angle Blade Rod Solenoid Overcurrent
H2805	M-Series Loader	Diverter Solenoid Short to Battery
H2805	M-Series Excavator	Diverter Output Short To Battery

Code	Product	Description
H2806	M-Series Excavator	Diverter Output Short To Ground
H2806	M-Series Loader	Diverter Solenoid Short to Ground
H2807	M-Series Excavator	Diverter Output Open Circuit
H2832	M-Series Excavator	Diverter Output Overcurrent
H2848	M-Series Excavator	Diverter Multiple Input
H2905	M-Series Loader	High Flow Solenoid Short to Battery
H2906	M-Series Loader	High Flow Solenoid Short to Ground
H2907	M-Series Loader	High Flow Solenoid Open Circuit
H2932	M-Series Loader	High Flow Solenoid Overcurrent
H3028	M-Series Loader	Controller Memory Failure
H3128	M-Series Loader	Interrupted Power Failure
H3204	Telehandler	Workgroup controller No communication
H3304	Telehandler	Gateway controller No communication
H3404	Telehandler	Display controller No communication
H3523	Telehandler	Programming or constant data invalid
H3528	Telehandler	Controller failure
H3596	Telehandler	Interrupted power
H3597	Telehandler	Controller programmed
H3604	Telehandler	Engine controller No communication
H3648	M-Series Loader	ACD Multiple
H3702	M-Series Loader	Power Bobtach Up Solenoid Error On
H3704	Telehandler	Drive controller No communication
H3904	M-Series Excavator	Left Joystick In Error
H3912	M-Series Excavator	Left Joystick Thumb Switch Not In Neutral
H3913	M-Series Loader	Left Joystick Grip No Communication
H3916	M-Series Excavator	Left Joystick No Communication
H3916	M-Series Loader	Left Joystick Not Connected
H3928	M-Series Loader	Left Joystick Failure
H3928	M-Series Excavator	Left Joystick Internal Failure
H3948	M-Series Loader	Left Joystick Multiple
H4004	Telehandler	Joystick No communication
H4013	M-Series Loader	Right Joystick Grip No Communication
H4016	M-Series Loader	Right Joystick Not Connected
H4028	M-Series Loader	Right Joystick Failure
H4048	M-Series Loader	Right Joystick Multiple
H4423	M-Series Excavator	Secondary Not Programmed
H4423	M-Series Loader	Auxiliary Not Programmed
H4497	M-Series Excavator	Secondary Controller Programmed
H4621	M-Series Excavator	5 Volt Sensor Supply Out Of Range High
H4621	Telehandler	Vsensor 5V supply OOR High
H4622	M-Series Excavator	5 Volt Sensor Supply Out Of Range Low
H4622	Telehandler	Vsensor 5V supply OOR Low
H4721	M-Series Excavator	8 Volt Sensor Supply Out Of Range High
H4721	M-Series Loader	Sensor Supply 1 Out of Range High
H4722	M-Series Excavator	8 Volt Sensor Supply Out Of Range Low
H4722	M-Series Loader	Sensor Supply 1 Out of Range Low
H4821	M-Series Loader	5V Sensor Supply Out of Range High
H4822	M-Series Loader	5V Sensor Supply Out of Range Low
H5705	M-Series Excavator	Angle Blade Aux 4 Base Short to Battery
H5706	M-Series Excavator	Angle Blade Aux 4 Base Short to Ground
H5707	M-Series Excavator	Angle Blade Aux 4 Base Open Circuit
H5732	M-Series Excavator	Angle Blade Aux 4 Base Overcurrent

Code	Product	Description
H5805	M-Series Excavator	Angle Blade Aux 4 Rod Short to Battery
H5806	M-Series Excavator	Angle Blade Aux 4 Rod Short to Ground
H5807	M-Series Excavator	Angle Blade Aux 4 Rod Open Circuit
H5832	M-Series Excavator	Angle Blade Aux 4 Rod Overcurrent
H7002	Telehandler	Boom Drain Output Error ON
H7003	Telehandler	Boom Drain Output Error OFF
H7007	Telehandler	Boom Drain Output Error Open Circuit
H7033	Telehandler	Boom Drain Output Internal Failure
H7102	Telehandler	Boom Drain Relay Feedback Output Error ON
H7103	Telehandler	Boom Drain Relay Feedback Output Error OFF
H7205	Telehandler	Boom Suspension Output Short To Battery
H7206	Telehandler	Boom Suspension Output Short To Ground
H7207	Telehandler	Boom Suspension Open Circuit
H7232	Telehandler	Boom Suspension Overcurrent
H7233	Telehandler	Boom Suspension Output Internal Failure
H7404	M-Series Loader	Main Controller No Communication
H7428	Telehandler	Boom Suspension Error
H7528	Telehandler	Boom Suspension switch On
H7602	Telehandler	Boom Suspension Icon Error ON
H7603	Telehandler	Boom Suspension Icon Error OFF
H7604	M-Series Loader	Left Hand Panel No Communication
H7604	M-Series Excavator	Display No Communication
H7705	Telehandler	Boom Float Output Short To Battery
H7706	Telehandler	Boom Float Output Short To Ground
H7707	Telehandler	Boom Float Open Circuit
H7732	Telehandler	Boom Float Overcurrent
H7902	M-Series Excavator	Door Unlock Error On
H7903	M-Series Excavator	Door Unlock Error Off
H8002	M-Series Loader	ACD Output A Error On
H8002	M-Series Excavator	Door Lock Error On
H8003	M-Series Excavator	Door Lock Error Off
H8003	M-Series Loader	ACD Output A Error Off
H8102	M-Series Loader	ACD Output B Error On
H8103	M-Series Loader	ACD Output B Error Off
H8110	Telehandler	LS Pump Inlet Pressure High
H8121	Telehandler	LS Pump Inlet Pressure Out Of Range High
H8122	Telehandler	LS Pump Inlet Pressure Out Of Range Low
H8202	M-Series Loader	ACD Output C Error On
H8203	M-Series Loader	ACD Output C Error Off
H8209	Telehandler	LS Pump Outlet Pressure Low
H8221	Telehandler	LS Pump Outlet Pressure Out Of Range High
H8222	Telehandler	LS Pump Outlet Pressure Out Of Range Low
H8302	M-Series Loader	ACD Output D Error On
H8303	M-Series Loader	ACD Output D Error Off
H8305	Telehandler	LS Pump Displacement Control Valve Short To Battery
H8306	Telehandler	LS Pump Displacement Control Valve Short To Ground
H8307	Telehandler	LS Pump Displacement Control Open Circuit
H8332	Telehandler	LS Pump Displacement Control Overcurrent
H8402	M-Series Loader	ACD Output E Error On
H8403	M-Series Loader	ACD Output E Error Off
H8502	M-Series Loader	ACD Output F Error On
H8503	M-Series Loader	ACD Output F Error Off

Code	Product	Description
H8602	M-Series Loader	ACD Output G Error On
H8603	M-Series Loader	ACD Output G Error Off
H8702	M-Series Loader	ACD Output H Error On
H8703	M-Series Loader	ACD Output H Error Off
H9110	M-Series Loader	Fuel Pressure at Filter Inlet Too High
H9111	M-Series Loader	Fuel Pressure at Filter Inlet Extremely High
H9121	M-Series Loader	Fuel Pressure Out of Range High
H9122	M-Series Loader	Fuel Pressure Out of Range Low
H9144	M-Series Loader	Fuel Filter Derate Level 1
H9145	M-Series Loader	Fuel Filter Derate Level 2
H9202	M-Series Loader	Fuel Lift Pump Output Error On
H9203	M-Series Loader	Fuel Lift Pump Output Error Off
H9287	M-Series Loader	Fuel Lift Pump Protection Time-Out
H9309	M-Series Loader	Fuel Pressure Low
H9314	M-Series Loader	Fuel Pressure Extremely Low
H9321	M-Series Loader	Fuel Pressure Out of Range High
H9322	M-Series Loader	Fuel Pressure Out of Range Low
H9344	M-Series Loader	Fuel Pressure Derate Level 1
H9999	Telehandler	Auxiliary controller Bad Table
I0314	Telehandler	LLMI Undervoltage
I0315	Telehandler	LLMI Overvoltage
I3014	Telehandler	LLMI Sensor Offset
I3015	Telehandler	LLMI Sensor Out of Range
I3016	Telehandler	LLMI Sensor Default
I3017	Telehandler	LLMI Sensor ID Error
I3018	Telehandler	LLMI Sensor Rx Out of Delay
I3113	Telehandler	LLMI Calibration Values Out of Range
I3121	Telehandler	LLMI Calibration Values Inverted
I3122	Telehandler	LLMI Calibration Values Too Close
I3123	Telehandler	LLMI Calibration Timeout
I3901	Telehandler	LLMI EEPROM Failure
I3903	Telehandler	LLMI External Watchdog Default
I3904	Telehandler	LLMI Wrong RAM Test
I3905	Telehandler	LLMI Wrong Program Checksum
I3909	Telehandler	LLMI Test Button Error
K1005	Telehandler	Position Lights Output Short To Battery
K1006	Telehandler	Position Lights Output Short To Ground
K1007	Telehandler	Position Lights Output Open Circuit
K1102	Telehandler	Position Lights Status Error ON
K1103	Telehandler	Position Lights Status Error OFF
K1205	Telehandler	Low Beam Output Short To Battery
K1206	Telehandler	Low Beam Output Short To Ground
K1207	Telehandler	Low Beam Output Open Circuit
K1305	Telehandler	High Beam Output Short To Battery
K1306	Telehandler	High Beam Output Short To Ground
K1307	Telehandler	High Beam Output Open Circuit
K1402	Telehandler	Fog Light Output Error ON
K1403	Telehandler	Fog Light Output Error OFF
K1505	Telehandler	Left Turn Signal Output Short To Battery
K1506	Telehandler	Left Turn Signal Output Short To Ground
K1507	Telehandler	Left Turn Signal Output Open Circuit
K1602	Telehandler	Left Turn Signal Status Error ON

Code	Product	Description
K1603	Telehandler	Left Turn Signal Status Error OFF
K1705	Telehandler	Right Turn Signal Output Short To Battery
K1706	Telehandler	Right Turn Signal Output Short To Ground
K1707	Telehandler	Right Turn Signal Output Open Circuit
K1802	Telehandler	Right Turn Signal Status Error ON
K1803	Telehandler	Right Turn Signal Status Error OFF
K2002	Telehandler	Front Wiper Output Error ON
K2003	Telehandler	Front Wiper Output Error OFF
K2102	Telehandler	Front Wiper (High Speed) Output Error ON
K2103	Telehandler	Front Wiper (High Speed) Output Error OFF
K2202	Telehandler	Front/Roof Washer Output Error ON
K2203	Telehandler	Front/Roof Washer Output Error OFF
K2305	Telehandler	Roof Wiper Output Short To Battery
K2306	Telehandler	Roof Wiper Output Short To Ground
K2307	Telehandler	Roof Wiper Output Open Circuit
K2405	Telehandler	Rear Wiper Output Short To Battery
K2406	Telehandler	Rear Wiper Output Short To Ground
K2407	Telehandler	Rear Wiper Output Open Circuit
K2502	Telehandler	Rear Washer Output Error ON
K2503	Telehandler	Rear Washer Output Error OFF
K2605	Telehandler	Lateral Wiper Output Short To Battery
K2606	Telehandler	Lateral Wiper Output Short To Ground
K2607	Telehandler	Rear Wiper Output Open Circuit
K2702	Telehandler	Lateral Washer Output Error ON
K2703	Telehandler	Lateral Washer Output Error OFF
K4204	Telehandler	Left Steering Lever No Communication
K4304	Telehandler	Right Steering Lever No Communication
K4404	Telehandler	Steering Lever No Communication
L0102	M-Series Excavator	Lights Button Error On
L0102	M-Series Loader	Standard Panel Button 1 Error On
L0202	M-Series Excavator	High Flow Enable Button Error On
L0202	M-Series Loader	Standard Panel Button 2 Error On
L0302	M-Series Loader	Standard Panel Button 3 Error On
L0302	M-Series Excavator	Auxiliary Enable Button Error On
L0402	M-Series Loader	Standard Panel Button 4 Error On
L0402	M-Series Excavator	Information Button Error On
L7404	M-Series Loader	Main Controller No Communication
L7404	M-Series Excavator	Information Button Error On
L7672	M-Series Excavator	Information Button Error On
L7672	M-Series Loader	Standard Panel Programming Error
LOWVLTG	M-Series Loader	Low Battery Voltage
M0116	Telehandler	Air Filter Switch Not Connected
M0116	M-Series Loader	Air Filter Not Connected
M0117	M-Series Loader	Air Filter Plugged
M0144	Telehandler	Air Filter De-rate Level 1
M0144	M-Series Loader	Air Filter Derate Level 1
M0145	M-Series Loader	Air Filter Derate Level 2
M0145	Telehandler	Air Filter De-rate Level 2
M0216	M-Series Excavator	Hydraulic/hydrostatic Filter Not Connected
M0216	M-Series Loader	Hydraulic/Hydrostatic Filter Not Connected
M0217	M-Series Loader	Hydraulic/Hydrostatic Filter Plugged
M0217	M-Series Excavator	Hydraulic/hydrostatic Filter Plugged

Code	Product	Description
M0309	Telehandler	Battery voltage Low
M0309	M-Series Loader	System Voltage Too Low
M0310	M-Series Loader	System Voltage Too High
M0310	Telehandler	Battery voltage High
M0311	Telehandler	Battery voltage Extremely High
M0311	M-Series Loader	System Voltage Extremely High
M0314	M-Series Loader	System Voltage Extremely Low
M0314	Telehandler	Battery voltage Extremely Low
M0322	M-Series Excavator	System Voltage Out Of Range Low
M0322	M-Series Loader	System Voltage Out of Range Low
M0322	Telehandler	Battery voltage Out Of Range Low
M0409	M-Series Loader	Engine Oil Pressure Too Low
M0414	M-Series Loader	Engine Oil Pressure Extremely Low
M0415	M-Series Excavator	Engine Oil Pressure In Shutdown
M0415	M-Series Loader	Engine Oil Pressure Shutdown
M0421	M-Series Loader	Engine Oil Pressure Out of Range High
M0422	M-Series Loader	Engine Oil Pressure Out of Range Low
M0509	M-Series Loader	Hydraulic Charge Pressure Low
M0510	M-Series Loader	Hydraulic Charge Pressure High
M0511	M-Series Loader	Hydraulic Charge Pressure Extremely High
M0514	M-Series Loader	Hydraulic Charge Pressure Extremely Low
M0515	M-Series Loader	Hydraulic Charge Pressure Shutdown
M0521	M-Series Loader	Hydraulic Charge Pressure Out of Range High
M0522	M-Series Loader	Hydraulic Charge Pressure Out of Range Low
M0610	Telehandler	Engine speed High
M0610	M-Series Loader	Engine Speed Too High
M0611	M-Series Loader	Engine Speed Extremely High
M0613	M-Series Loader	Engine Speed No Signal
M0615	M-Series Loader	Engine Speed Shutdown
M0615	M-Series Excavator	Engine Speed In Shutdown
M0618	M-Series Excavator	Engine Speed Out Of Range
M0618	M-Series Loader	Engine Speed Out of Range
M0634	M-Series Loader	Engine Speed Invalid Data
M0710	M-Series Excavator	Hydraulic Oil Temp Too High
M0710	M-Series Loader	Hydraulic Oil Temperature Too High
M0710	Telehandler	Hydraulic Oil Temperature High
M0711	M-Series Excavator	Hydraulic Oil Temp Extremely High
M0711	M-Series Loader	Hydraulic Oil Temperature Extremely High
M0715	M-Series Excavator	Hydraulic Oil Temp In Shutdown
M0715	M-Series Loader	Hydraulic Oil Temperature Shutdown
M0721	M-Series Excavator	Hydraulic Oil Temp Out Of Range High
M0721	M-Series Loader	Hydraulic Oil Temperature Out of Range High
M0722	M-Series Loader	Hydraulic Oil Temperature Out of Range Low
M0722	M-Series Excavator	Hydraulic Oil Temp Out Of Range Low
M0810	M-Series Excavator	Engine Coolant Temp Too High
M0810	M-Series Loader	Engine Coolant Temperature Too High
M0810	Telehandler	Engine Coolant Temperature High
M0811	M-Series Loader	Engine Coolant Temperature Extremely High
M0811	M-Series Excavator	Engine Coolant Temp Extremely High
M0815	M-Series Excavator	Engine Coolant Temp In Shutdown
M0815	M-Series Loader	Engine Coolant Temperature Shutdown
M0821	Telehandler	Engine Coolant Temperature OOR High

Code	Product	Description
M0821	M-Series Excavator	Engine Coolant Temp Out Of Range High
M0821	M-Series Loader	Engine Coolant Temperature Out of Range High
M0822	Telehandler	Engine Coolant Temperature OOR Low
M0822	M-Series Loader	Engine Coolant Temperature Out of Range Low
M0822	M-Series Excavator	Engine Coolant Temp Out Of Range Low
M0826	M-Series Excavator	Engine Coolant Temp Out Of Range Low
M0826	M-Series Loader	Engine Coolant Temperature Pre Shutdown
M0909	M-Series Loader	Fuel Level Too Low
M0909	Telehandler	Fuel Level Low
M0921	M-Series Loader	Fuel Level Out of Range High
M0921	M-Series Excavator	Fuel Level Out Of Range High
M0921	Telehandler	Fuel Level OOR High
M0922	M-Series Loader	Fuel Level Out of Range Low
M0922	M-Series Excavator	Fuel Level Out Of Range Low
M0922	Telehandler	Fuel Level OOR Low
M1009	Telehandler	Fuel Filter Pressure Low
M1014	Telehandler	Fuel Filter Pressure Extremely Low
M1016	M-Series Loader	Hydraulic Charge Filter Not Connected
M1017	M-Series Loader	Hydraulic Charge Filter Plugged
M1021	Telehandler	Fuel Filter Pressure OOR High
M1022	Telehandler	Fuel Filter Pressure OOR Low
M1117	Telehandler	Fuel Filter Plugged
M1119	Telehandler	Fuel Filter Extremely Plugged
M1121	M-Series Excavator	Console Sensor Out Of Range High
M1121	M-Series Loader	Seat Bar Sensor Out of Range High
M1122	M-Series Loader	Seat Bar Sensor Out of range Low
M1122	M-Series Excavator	Console Sensor Out Of Range Low
M1128	M-Series Excavator	Console Sensor Failure
M1128	M-Series Loader	Seat Bar Sensor Failure
M1144	Telehandler	Fuel Filter De-rate Level 1
M1145	Telehandler	Fuel Filter De-rate Level 2
M1210	M-Series Loader	Air Inlet Temperature High
M1211	M-Series Loader	Air Inlet Temperature Extremely High
M1302	Telehandler	Fuel Pump Output Error ON
M1303	Telehandler	Fuel Pump Output Error OFF
M1305	M-Series Loader	Fuel Hold Solenoid Short to Battery
M1305	M-Series Excavator	Fuel Hold Solenoid Short To Battery
M1306	M-Series Loader	Fuel Hold Solenoid Short to Ground
M1306	M-Series Excavator	Fuel Hold Solenoid Short To Ground
M1307	M-Series Loader	Fuel Hold Solenoid Open Circuit
M1402	M-Series Loader	Fuel Pull Output Error On
M1402	M-Series Excavator	Fuel Pull Solenoid Error On
M1402	Telehandler	Fuel Solenoid Output Error ON
M1403	M-Series Excavator	Fuel Pull Solenoid Error Off
M1403	Telehandler	Fuel Solenoid Output Error OFF
M1403	M-Series Loader	Fuel Pull Output Error Off
M1407	M-Series Excavator	Fuel Pull Solenoid Open Circuit
M1407	M-Series Loader	Fuel Pull Output Open Circuit
M1428	M-Series Loader	Fuel Pull Output Controller Failure
M1428	M-Series Excavator	Fuel Pull Solenoid Failure
M1428	Telehandler	Fuel Solenoid Output Internal failure
M1502	M-Series Loader	Traction Lock Pull Output Error On

Code	Product	Description
M1502	Telehandler	Fuel Solenoid Relay Error ON
M1503	Telehandler	Fuel Solenoid Relay Error OFF
M1503	M-Series Loader	Traction Lock Pull Output Error Off
M1507	M-Series Loader	Traction Lock Pull Output Open Circuit
M1528	M-Series Loader	Traction Lock Pull Output Controller Failure
M1602	Telehandler	Front Alignment Lamp Output Error ON
M1603	Telehandler	Front Alignment Lamp Output Error OFF
M1605	M-Series Excavator	Hydraulic Bypass Short to Battery
M1605	M-Series Loader	Traction Lock Hold Solenoid Short to Battery
M1606	M-Series Loader	Traction Lock Hold Solenoid Short to Ground
M1606	M-Series Excavator	Hydraulic Bypass Short to Ground
M1607	M-Series Loader	Traction Lock Hold Solenoid Open Circuit
M1607	M-Series Excavator	Hydraulic Bypass Open Circuit
M1632	M-Series Excavator	Hydraulic Bypass Overcurrent
M1702	Telehandler	Rear Alignment Lamp Output Error ON
M1703	Telehandler	Rear Alignment Lamp Output Error OFF
M1705	M-Series Loader	Hydraulic Lock Valve Solenoid Short to Battery
M1705	M-Series Excavator	Hydraulic Lock Valve Short To Battery
M1706	M-Series Excavator	Hydraulic Lock Valve Short To Ground
M1706	M-Series Loader	Hydraulic Lock Valve Solenoid Short to Ground
M1707	M-Series Loader	Hydraulic Lock Valve Solenoid Open Circuit
M1707	M-Series Excavator	Hydraulic Lock Valve Open Circuit
M1732	M-Series Loader	Hydraulic Lock Valve Solenoid Overcurrent
M1732	M-Series Excavator	Hydraulic Lock Valve Overcurrent
M1802	M-Series Excavator	Power Beyond Valve Output Error On
M1803	M-Series Excavator	Power Beyond Valve Output Error Off
M1805	M-Series Loader	Spool Lock 1 Short to Battery
M1806	M-Series Loader	Spool Lock 1 Short to Ground
M1807	M-Series Loader	Spool Lock 1 Open Circuit
M1821	Telehandler	Frame Leveling pot Out of range high
M1822	Telehandler	Frame Leveling pot Out of range low
M1832	M-Series Loader	Spool Lock 1 Overcurrent
M1902	M-Series Excavator	Power Beyond Valve Relay Error On
M1903	M-Series Excavator	Power Beyond Valve Relay Error Off
M1910	M-Series Loader	Engine Ambient Temperature High
M1911	M-Series Loader	Engine Ambient Temperature Extremely High
M1921	M-Series Loader	Engine Ambient Temperature Out of Range High
M1922	M-Series Loader	Engine Ambient Temperature Out of Range Low
M2005	M-Series Loader	Two Speed Primary Short to Battery
M2005	M-Series Excavator	Two Speed Primary Solenoid Short To Battery
M2006	M-Series Excavator	Two Speed Primary Solenoid Short To Ground
M2006	M-Series Loader	Two Speed Primary Short to Ground
M2007	M-Series Excavator	Two Speed Primary Solenoid Open Circuit
M2007	M-Series Loader	Two Speed Primary Open Circuit
M2032	M-Series Loader	Two Speed Primary Overcurrent
M2102	Telehandler	Glow Plug Output Error ON
M2102	M-Series Loader	Glow Plug Output Error On
M2103	M-Series Loader	Glow Plug Output Error Off
M2103	Telehandler	Glow Plug Output Error OFF
M2107	M-Series Loader	Glow Plug Output Open Circuit
M2128	M-Series Loader	Glow Plug Output Failure
M2202	Telehandler	Starter Output Error ON

Code	Product	Description
M2202	M-Series Loader	Starter Output Error On
M2203	M-Series Loader	Starter Output Error Off
M2203	Telehandler	Starter Output Error OFF
M2207	Telehandler	Starter Output Open circuit
M2207	M-Series Loader	Starter Output Open Circuit
M2228	M-Series Loader	Starter Output Failure
M2302	M-Series Loader	Starter Relay Error On
M2302	Telehandler	Starter Relay Error ON
M2303	M-Series Loader	Starter Relay Error Off
M2303	Telehandler	Starter Relay Error OFF
M2402	M-Series Loader	Fuel Pull Relay Error On
M2403	M-Series Loader	Fuel Pull Relay Error Off
M2405	Telehandler	Crab valve Output Short To Battery
M2406	Telehandler	Crab valve Output Short To Ground
M2407	Telehandler	Crab valve Output Open Circuit
M2502	M-Series Loader	Traction Pull Relay Error On
M2503	M-Series Loader	Traction Pull Relay Error Off
M2505	Telehandler	4 Wheels valve Short To Battery
M2506	Telehandler	4 Wheels valve Short To Ground
M2507	Telehandler	4 Wheels valve Open circuit
M2521	M-Series Excavator	Load Sense Sensor Out Of Range High
M2522	M-Series Excavator	Load Sense Sensor Out Of Range Low
M2602	M-Series Loader	Glow Plug Relay Error On
M2603	M-Series Loader	Glow Plug Relay Error Off
M2648	Telehandler	Steer Mode Switch Multiple inputs active
M2702	Telehandler	Fan Inverter Output Error On
M2703	Telehandler	Fan Inverter Output Error OFF
M2707	Telehandler	Fan Inverter Output Open Circuit
M2721	M-Series Excavator	Throttle Primary Sensor Out Of Range High
M2721	M-Series Loader	Throttle Primary Sensor Out of Range High
M2722	M-Series Excavator	Throttle Primary Sensor Out Of Range Low
M2722	M-Series Loader	Throttle Primary Sensor Out of Range Low
M2805	M-Series Excavator	Diverter Output Short To Battery
M2805	Telehandler	Fan PWM Output Short To Battery
M2806	M-Series Excavator	Diverter Output Short To Ground
M2806	Telehandler	Fan PWM Output Short To Ground
M2807	Telehandler	Fan PWM Output Open Circuit
M2807	M-Series Excavator	Diverter Output Open Circuit
M2821	M-Series Loader	Throttle Secondary Sensor Out of Range High
M2822	M-Series Loader	Throttle Secondary Sensor Out of Range Low
M2832	Telehandler	Fan PWM Output Overcurrent
M2899	M-Series Loader	Throttle Secondary Sensor Calibration Required
M2910	M-Series Loader	Exhaust Gas Temperature High
M2910	Telehandler	Engine Exhaust gas Temperature High
M3128	M-Series Loader	Interrupted Power Failure
M3204	Telehandler	Workgroup Controller no communication
M3204	M-Series Loader	Workgroup Controller No Communication
M3204	M-Series Excavator	Throttle Controller No Communication To Bobcat Controller
M3223	M-Series Excavator	Throttle Controller Not Calibrated
M3228	M-Series Excavator	Throttle Controller Failure
M3299	M-Series Excavator	Throttle Controller Calibration In Process
M3304	M-Series Loader	Deluxe Panel (M-Series) No Communication

Code	Product	Description
M3304	M-Series Excavator	Deluxe Panel No Communication
M3372	M-Series Excavator	Display Software Incompatible
M3373	M-Series Excavator	Display Software Outdated
M3404	Telehandler	Display controller no communication
M3404	M-Series Loader	Deluxe Panel No Communication
M3504	Telehandler	DCU Controller no communication
M3505	M-Series Loader	Hydraulic Fan Short to Battery
M3506	M-Series Loader	Hydraulic Fan Short to Ground
M3507	M-Series Loader	Hydraulic Fan Open Circuit
M3532	M-Series Loader	Hydraulic Fan Overcurrent
M3604	Telehandler	Engine Controller no communication
M3702	M-Series Excavator	HYD Exchange Output Error On
M3703	M-Series Excavator	HYD Exchange Output Error Off
M3704	Telehandler	Drive Controller no communication
M3705	M-Series Loader	Two Speed Secondary Short to Battery
M3706	M-Series Loader	Two Speed Secondary Short to Ground
M3707	M-Series Loader	Two Speed Secondary Open Circuit
M3732	M-Series Loader	Two Speed Secondary Overcurrent
M3805	M-Series Loader	Auxiliary Hydraulic Lock Short to Battery
M3806	M-Series Loader	Auxiliary Hydraulic Lock Short to Ground
M3807	M-Series Loader	Auxiliary Hydraulic Lock Open Circuit
M3832	M-Series Loader	Auxiliary Hydraulic Lock Overcurrent
M3904	M-Series Excavator	Jog Shuttle No Communication
M3905	Telehandler	Cab Buzzer Short To Battery
M4028	Telehandler	Wrong mapping of ECU controller detected : Engine HP mismatch
M4028	M-Series Loader	Wrong ECU Detected
M4109	Telehandler	Alternator voltage low
M4109	M-Series Loader	Alternator Low
M4109	M-Series Excavator	Alternator Voltage Too Low
M4110	M-Series Loader	Alternator High
M4110	M-Series Excavator	Alternator Voltage High
M4110	Telehandler	Alternator voltage high
M4204	M-Series Excavator	Keyless Entry No Communication
M4228	Telehandler	Wrong mapping of DCU controller mapping detected : Horse Power mismatch
M4228	M-Series Loader	Wrong DCU Detected
M4304	Telehandler	Keypad KSS no communication
M4304	M-Series Loader	Keyless Start Panel No Communication
M4404	M-Series Loader	Auxiliary No Communication
M4404	M-Series Excavator	Secondary No Communication
M4405	Telehandler	Brake Fail Electric Lamp Short To Battery
M4472	M-Series Excavator	Secondary Controller Software Incompatible
M4473	M-Series Excavator	Secondary Controller Software Outdated
M4505	Telehandler	Brake Fail Pressure Lamp Short To Battery
M4510	M-Series Loader	Water In Fuel Too High
M4511	M-Series Loader	Water In Fuel Extremely High
M4521	M-Series Loader	Water In Fuel Sensor Out of Range High
M4522	M-Series Loader	Water In Fuel Sensor Out of Range Low
M4530	M-Series Loader	Water In Fuel Sensor Fault
M4621	M-Series Excavator	5 Volt Sensor Supply Out Of Range High
M4621	M-Series Loader	5V Sensor Supply Out of Range High
M4622	M-Series Loader	5V Sensor Supply Out of Range Low
M4622	M-Series Excavator	5 Volt Sensor Supply Out Of Range Low

Code	Product	Description
M4721	M-Series Excavator	8 Volt Sensor Supply Out Of Range High
M4721	M-Series Loader	8V Sensor Supply Out of Range High
M4721	Telehandler	Sensor Supply OORH
M4722	Telehandler	Sensor Supply OORL
M4722	M-Series Excavator	8 Volt Sensor Supply Out Of Range Low
M4722	M-Series Loader	8V Sensor Supply Out of Range Low
M4802	M-Series Loader	Front Light Relay Error On
M4803	M-Series Loader	Front Light Relay Error Off
M4805	Telehandler	Worklights output Error On
M4806	Telehandler	Worklights output Error Off
M4902	Telehandler	Blue lights Output Short To Battery or Open Circuit
M4902	M-Series Loader	Rear Light Relay Error On
M4903	M-Series Loader	Rear Light Relay Error Off
M4903	Telehandler	Blue lights Output Short To Ground
M5002	M-Series Loader	Front Light Output Error On
M5003	M-Series Loader	Front Light Output Error Off
M5005	Telehandler	Front Worklights Output Short to Battery
M5006	Telehandler	Front Worklights Output Short to Ground
M5007	Telehandler	Front Worklights Output Open Circuit
M5007	M-Series Loader	Front Light Output Open Circuit
M5028	M-Series Loader	Front Light Output Failure
M5102	Telehandler	Rear Worklights Short To Battery or Open Circuit
M5102	M-Series Loader	Rear Light Output Error On
M5103	M-Series Loader	Rear Light Output Error Off
M5103	Telehandler	Rear Worklights Output Short To Ground
M5107	M-Series Loader	Rear Light Output Open Circuit
M5128	M-Series Loader	Rear Light Output Failure
M5202	M-Series Loader	Press to Operate Switch Error On
M5205	M-Series Excavator	Offset Base Solenoid Short To Battery
M5205	Telehandler	Electronic Battery Disconnect Output Open circuit or Short To Battery
M5206	M-Series Excavator	Offset Base Solenoid Short To Ground
M5206	Telehandler	Electronic Battery Disconnect Output Short To Ground
M5207	Telehandler	Electronic Battery Disconnect Output Open circuit
M5207	M-Series Excavator	Offset Base Solenoid Open Circuit
M5221	M-Series Loader	Press to Operate Switch Out of Range High
M5222	M-Series Loader	Press to Operate Switch Out of Range Low
M5232	M-Series Excavator	Offset Base Solenoid Overcurrent
M5302	Telehandler	Electronic Battery Disconnect stuck
M5303	Telehandler	Electronic Battery Disconnect open error (unstuck)
M5305	M-Series Loader	Press to Operate Light Short to Battery
M5305	M-Series Excavator	Offset Rod Solenoid Error On
M5306	M-Series Excavator	Offset Rod Solenoid Short To Ground
M5306	M-Series Loader	Press to Operate Light Short to Ground
M5307	M-Series Excavator	Offset Rod Solenoid Open Circuit
M5332	M-Series Excavator	Offset Rod Solenoid Overcurrent
M5405	M-Series Loader	Spool Lock 2 Short to Battery
M5406	M-Series Loader	Spool Lock 2 Short to Ground
M5407	M-Series Loader	Spool Lock 2 Open Circuit
M5421	M-Series Excavator	Offset Control Switch Out Of Range High
M5422	M-Series Excavator	Offset Control Switch Out Of Range Low
M5424	M-Series Excavator	Offset Control Switch Out Of Neutral
M5432	M-Series Loader	Spool Lock 2 Overcurrent

Code	Product	Description
M5505	M-Series Excavator	Auxiliary Base Solenoid Short To Battery
M5506	M-Series Excavator	Auxiliary Base Solenoid Short To Ground
M5507	M-Series Excavator	Auxiliary Base Solenoid Open Circuit
M5532	M-Series Excavator	Auxiliary Base Solenoid Overcurrent
M5605	M-Series Excavator	Auxiliary Rod Solenoid Short To Battery
M5606	M-Series Excavator	Auxiliary Rod Solenoid Short To Ground
M5607	M-Series Excavator	Auxiliary Rod Solenoid Open Circuit
M5632	M-Series Excavator	Auxiliary Rod Solenoid Overcurrent
M5721	M-Series Excavator	Auxiliary Control Switch Out Of Range High
M5722	M-Series Excavator	Auxiliary Control Switch Out Of Range Low
M5724	M-Series Excavator	Auxiliary Control Switch Out Of Neutral
M5810	M-Series Loader	Fuel Temperature High
M5811	M-Series Loader	Fuel Temperature Extremely High
M5811	M-Series Excavator	Fuel Temperature Extremely High
M5815	M-Series Loader	Fuel Temperature Shutdown
M5815	M-Series Excavator	Fuel Temperature In Shutdown
M5815	Telehandler	Fuel Temperature in shutdown
M5826	M-Series Excavator	Fuel Temperature In Shutdown
M5826	M-Series Loader	Fuel Temperature Pre Shutdown
M5902	M-Series Loader	DPF Regeneration Switch Error On
M6002	M-Series Loader	DPF Inhibit Regen Switch Error On
M6004	Telehandler	Cab Controller No Communication
M6021	M-Series Excavator	Left Control Switch Out of Range High
M6022	M-Series Excavator	Left Control Switch Out of Range Low
M6024	M-Series Excavator	Left Control Switch Out of Neutral
M6102	M-Series Loader	Remote Parked Regeneration Switch Error On
M6105	Telehandler	Safety Valve Short To Battery
M6106	Telehandler	Safety Valve Short To Ground
M6107	Telehandler	Safety Valve Open Circuit
M6121	M-Series Excavator	Right Control Switch Out of Range High
M6122	M-Series Excavator	Right Control Switch Out of Range Low
M6124	M-Series Excavator	Right Control Switch Out of Neutral
M6132	Telehandler	Safety Valve Overcurrent
M6202	M-Series Loader	Tailgate Fan 1 Error On
M6203	M-Series Loader	Tailgate Fan 1 Error Off
M6204	M-Series Excavator	Load Moment Sensor In Error
M6221	M-Series Excavator	Overload Warning Sensor Out of Range High
M6222	M-Series Excavator	Overload Warning Sensor Out of Range Low
M6228	M-Series Loader	Tailgate Fan 1 Failure
M6302	M-Series Loader	Tailgate Fan 2 Error On
M6303	M-Series Loader	Tailgate Fan 2 Error Off
M6328	M-Series Loader	Tailgate Fan 2 Failure
M6402	M-Series Loader	Switched Power Relay Error On
M6403	M-Series Loader	Switched Power Relay Error Off
M6505	M-Series Loader	ECU Power Short to Battery
M6505	M-Series Excavator	ECU Power Short To Battery
M6506	M-Series Loader	ECU Power Short to Ground
M6506	M-Series Excavator	ECU Power Short To Ground
M6507	M-Series Loader	ECU Power Open Circuit
M6604	M-Series Loader	ECU No Communication
M6702	M-Series Loader	HVAC Output Error On
M6703	M-Series Loader	HVAC Output Error Off

Code	Product	Description
M6707	M-Series Loader	HVAC Output Open Circuit
M6728	M-Series Loader	HVAC Output Failure
M6802	M-Series Loader	HVAC Relay Error On
M6803	M-Series Loader	HVAC Relay Error Off
M6904	M-Series Loader	DCU No Communication
M6905	M-Series Excavator	Dump Valve Short to Battery
M6906	M-Series Excavator	Dump Valve Short to Ground
M6907	M-Series Excavator	Dump Valve Open Circuit
M6932	M-Series Excavator	Dump Valve Overcurrent
M7002	M-Series Loader	Switched Power Output Error On
M7003	M-Series Loader	Switched Power Output Error Off
M7007	M-Series Loader	Switched Power Output Open Circuit
M7028	M-Series Loader	Switched Power Output Failure
M7102	M-Series Loader	Electric Fan Output Error On
M7103	M-Series Loader	Electric Fan Output Error Off
M7107	M-Series Loader	Electric Fan Output Open Circuit
M7202	M-Series Loader	Electric Fan Relay Error On
M7203	M-Series Loader	Electric Fan Relay Error Off
M7304	M-Series Loader	Remote Control No Communication
M7316	M-Series Loader	Remote Control Not Connected
M7423	M-Series Loader	Main Controller Not Programmed
M7472	M-Series Excavator	Main Controller Software Incompatible
M7473	M-Series Excavator	Main Controller Software Outdated
M7497	M-Series Loader	Main Controller Software Updated
M7497	M-Series Excavator	Main Controller Controller Programmed
M7504	M-Series Loader	Drive No Communication
M7604	M-Series Excavator	Standard Display Panel No Communication
M7604	M-Series Loader	Left Display Panel No Communication
M7748	M-Series Loader	Key Switch Multiple
M7748	Telehandler	Multiple key on active (service tool & keyswitch)
M7839	M-Series Loader	Hourmeter Changed
M7902	M-Series Loader	Forestry Door Closed
M7974	M-Series Loader	Door Open
M8004	M-Series Excavator	Cooling Fan Controller No Communication
M8005	M-Series Excavator	Cooling Fan Short To Battery
M8006	M-Series Excavator	Cooling Fan Short To Ground
M8021	Telehandler	Throttle pedal analog signal Out Of Range High
M8021	M-Series Excavator	Cooling Fan Out Of Range High
M8022	Telehandler	Throttle pedal analog signal Out Of Range Low
M8022	M-Series Excavator	Cooling Fan Out Of Range Low
M8025	M-Series Excavator	Cooling Fan Unresponsive
M8027	M-Series Excavator	Cooling Fan CAN Error
M8028	Telehandler	Throttle pedal in error. (redundancy error)
M8028	M-Series Excavator	Cooling Fan Failure
M8029	M-Series Excavator	Cooling Fan Wiring Fault
M8030	M-Series Excavator	Cooling Fan Controller Fault
M8128	Telehandler	Wrong DEF Sensor detected
M8228	M-Series Loader	AdBlue/DEF Sensor Mismatch
M8228	Telehandler	Inhibit DESOX/REGEN switch in failure
M8302	M-Series Excavator	Wait to Start Lamp Error On
M8303	M-Series Excavator	Wait to Start Lamp Error Off
M8328	Telehandler	Force DESOX/REGEN Switch in failure

Code	Product	Description
M8402	M-Series Loader	DESOX Service Requested
M8450	Telehandler	DESOX/REGEN requested but inhibited
M8450	M-Series Loader	DeSox Required but Inhibited
M8541	M-Series Loader	DPF Automatic Regeneration Active
M8542	M-Series Loader	DPF Automatic Regeneration Active
M8543	M-Series Loader	DPF Regeneration Required
M8551	M-Series Loader	DPF Regeneration Needed - Inhibit Active
M8552	M-Series Loader	DPF Regeneration Needed - Inhibit Active
M8553	M-Series Loader	DPF Remote Parked Regeneration Required - Remote Regeneration Kit Required
M8554	M-Series Loader	DPF Service Regeneration Required - Contact Bobcat Dealer
M8555	M-Series Loader	DPF Service Required
M8560	M-Series Loader	DPF Service Regeneration Active
M8561	M-Series Loader	DPF Service Regeneration Active
M8562	M-Series Loader	DPF Service Regeneration Active
M8563	M-Series Loader	DPF Service Regeneration Active
M8564	M-Series Loader	DPF Service Regeneration Active
M8602	Telehandler	Receiver input Error On
M8615	M-Series Loader	Engine Speed Derate Shutdown
M8615	M-Series Excavator	Engine Speed Derate In Shutdown
M8625	M-Series Loader	Engine Speed Derate Unresponsive
M8703	Telehandler	Attachment run input Error off
M8715	M-Series Loader	Torque Derate Shutdown
M8725	M-Series Loader	Torque Derate Unresponsive
M8804	M-Series Loader	Telematics Not Connected
M8848	Telehandler	Selection mode switch Multiple
M8928	Telehandler	ECO Mode switch In error
M9111	M-Series Excavator	Fuel Filter Extremely Plugged
M9117	M-Series Excavator	Fuel Filter Plugged
M9144	M-Series Excavator	Fuel Filter Derate Level 1
M9145	M-Series Excavator	Fuel Filter Derate Level 2
M9202	M-Series Excavator	Fuel Lift Pump Error On
M9203	M-Series Excavator	Fuel Lift Pump Error Off
M9287	M-Series Excavator	Fuel Pump Failure Time Exceeded
M9309	M-Series Excavator	Fuel Pressure Low
M9314	M-Series Excavator	Fuel Pressure Extremely Low
M9321	M-Series Excavator	Fuel Pressure Out Of Range High
M9322	M-Series Excavator	Fuel Pressure Out Of Range Low
M9344	M-Series Excavator	Fuel Pressure Derate Level 1
M9604	Telehandler	Single Keypad No Communication
M9701	M-Series Loader	Turbo Prime Sequence Active
M9704	Telehandler	Primary Keypad No Communication
M9804	Telehandler	Secondary Keypad No Communication
M9999	Telehandler	Bad Constant Data table
P0002	ECU Bobcat Engine V2	Fuel Rail Pressure Fault
P0002	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0003	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0003	ECU Bobcat Engine V2	Fuel Rail Pressure Fault
P0004	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0004	ECU Bobcat Engine V2	Fuel Rail Pressure Fault
P0006	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0007	ECU Bobcat Engine V1	Rail Pressure Control Fault
P000F	ECU Bobcat Engine V2	Fuel Rail Pressure High - Over Relief

Code	Product	Description
P0016	ECU Bobcat Engine V1	Cam or Crank Sensor - Fault
P0070	ECU Bobcat Engine V1	Intake Air Temperature Sensor Fault
P0072	ECU Bobcat Engine V1	MAF Sensor - Fault
P0072	ECU Bobcat Engine V1	Intake Air Temperature - Fault
P0072	ECU Bobcat Engine V2	Engine Compartment Temperature Sensor Out of Range Low
P0073	ECU Bobcat Engine V2	Engine Compartment Temperature Sensor Out of Range High
P0073	ECU Bobcat Engine V1	MAF Sensor - Fault
P0073	ECU Bobcat Engine V1	Intake Air Temperature - Fault
P0074	ECU Bobcat Engine V1	Intake Air Temperature Sensor Fault
P007C	ECU Bobcat Engine V2	Inlet Air Temperature Sensor Out of Range Low
P007D	ECU Bobcat Engine V2	Inlet Air Temperature Sensor Out of Range High
P0087	ECU Bobcat Engine V1	Rail Pressure Fault
P0087	ECU Bobcat Engine V2	Fuel Rail Pressure Fault
P0087	ECU Bobcat Engine V1	Rail Pressure - Fault
P0088	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0088	ECU Bobcat Engine V1	Rail Pressure - Fault
P0089	ECU Bobcat Engine V1	Rail Pressure Control Fault
P009B	ECU Bobcat Engine V2	Common Rail Pressure Relief Valve Open Count Exceeds Limit
P009C	ECU Bobcat Engine V2	Common Rail Pressure Relief Valve Opened
P009D	ECU Bobcat Engine V2	Common Rail Pressure Relief Valve Opened
P009F	ECU Bobcat Engine V2	High Rail Pressure
P00AC	ECU Bobcat Engine V2	Intake Manifold Temperature Sensor Out of Range Low
P00AD	ECU Bobcat Engine V2	Intake Manifold Temperature Sensor Out of Range High
P00BC	ECU Bobcat Engine V2	Low Manifold Absolute Pressure (Low boost)
P00BC	ECU Bobcat Engine V1	Intake Air Volume - Fault
P00BD	ECU Bobcat Engine V1	Intake Air Volume - Fault
P00BE	ECU Bobcat Engine V2	Air Flow Fault (MAF / MAP agreement)
P0100	ECU Bobcat Engine V2	Mass Air Flow Sensor Short to Battery or Open Circuit
P0100	ECU Bobcat Engine V1	MAF Sensor - Fault
P0101	ECU Bobcat Engine V1	Intake Air Volume - Fault
P0101	ECU Bobcat Engine V2	Mass Air Flow Sensor Electrical Fault
P0102	ECU Bobcat Engine V2	Mass Air Flow Sensor Out of Range Low
P0102	ECU Bobcat Engine V1	MAF Sensor - Fault
P0103	ECU Bobcat Engine V1	MAF Sensor - Fault
P0103	ECU Bobcat Engine V2	Mass Air Flow Sensor Out of Range High
P0105	ECU Bobcat Engine V1	Manifold Pressure Sensor Fault
P0107	ECU Bobcat Engine V2	Manifold Absolute Pressure Sensor Out of Range Low
P0107	ECU Bobcat Engine V1	Manifold Pressure Sensor Fault
P0108	ECU Bobcat Engine V2	Manifold Absolute Pressure Sensor Out of Range High
P0108	ECU Bobcat Engine V1	Manifold Pressure Sensor Fault
P0110	ECU Bobcat Engine V1	Intake Manifold Temperature Sensor Fault
P0111	ECU Bobcat Engine V1	Intake Manifold Temperature Fault
P0111	ECU Bobcat Engine V1	Intake Air Temperature - High
P0112	ECU Bobcat Engine V1	Intake Air Temperature - Fault
P0112	ECU Bobcat Engine V1	Intake Manifold Temperature Sensor Fault
P0113	ECU Bobcat Engine V1	Intake Manifold Temperature Sensor Fault
P0113	ECU Bobcat Engine V1	Intake Air Temperature - Fault
P0114	ECU Bobcat Engine V1	Intake Manifold Temperature Sensor Fault
P0116	ECU Bobcat Engine V1	Engine Coolant Temperature Fault
P0117	ECU Bobcat Engine V2	Coolant Temperature Sensor Out of Range Low
P0117	ECU Bobcat Engine V1	Water Temp Sensor Fault
P0118	ECU Bobcat Engine V2	Coolant Temperature Sensor Out of Range High

Code	Product	Description
P0118	ECU Bobcat Engine V1	Water Temp Sensor Fault
P011E	ECU Bobcat Engine V2	Coolant Temperature Low Fault
P0121	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P0122	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P0123	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P0124	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P0180	ECU Bobcat Engine V1	Fuel Temp Sensor Fault
P0181	ECU Bobcat Engine V1	Fuel Temperature Fault
P0181	ECU Bobcat Engine V1	Fuel Temperature - High
P0182	ECU Bobcat Engine V1	Fuel Temp Sensor Fault
P0182	ECU Bobcat Engine V2	Fuel Temperature Sensor Out of Range Low
P0183	ECU Bobcat Engine V1	Fuel Temp Sensor Fault
P0183	ECU Bobcat Engine V2	Fuel Temperature Sensor Out of Range High
P018C	ECU Bobcat Engine V2	Low Fuel Filter Pressure
P018D	ECU Bobcat Engine V2	High Fuel Filter Pressure
P018F	ECU Bobcat Engine V2	Common Rail Pressure Relief Valve Open Time Exceeds Limit
P0190	ECU Bobcat Engine V1	Rail Pressure Sensor Fault
P0191	ECU Bobcat Engine V1	Rail Pressure Fault
P0192	ECU Bobcat Engine V1	Rail Pressure Sensor Fault
P0192	ECU Bobcat Engine V2	Rail Pressure Sensor Out of Range Low
P0193	ECU Bobcat Engine V2	Rail Pressure Sensor Out of Range High
P0193	ECU Bobcat Engine V1	Rail Pressure Sensor Fault
P0195	ECU Bobcat Engine V1	Engine Oil Temperature Sensor Fault
P0196	ECU Bobcat Engine V1	Engine Oil Temperature Fault
P0196	ECU Bobcat Engine V2	Oil Level/Temp Sensor Fault
P01C2	ECU Bobcat Engine V2	Fuel Filter Pressure Sensor Out of Range Low
P01C4	ECU Bobcat Engine V2	Low Fuel Filter Pressure Warning
P01C5	ECU Bobcat Engine V2	Low Fuel Filter Pressure - Derate
P01C6	ECU Bobcat Engine V2	Fuel Filter Pressure Sensor Out of Range High
P0200	ECU Bobcat Engine V1	Injector Fault
P0201	ECU Bobcat Engine V1	Injector #1 Fault
P0201	ECU Bobcat Engine V2	Injector #1 Open Circuit
P0202	ECU Bobcat Engine V2	Injector #2 Open Circuit
P0202	ECU Bobcat Engine V1	Injector #3 Fault
P0202	ECU Bobcat Engine V1	Injector #2 Fault
P0203	ECU Bobcat Engine V1	Injector #4 Fault
P0203	ECU Bobcat Engine V1	Injector #3 Fault
P0203	ECU Bobcat Engine V2	Injector #3 Open Circuit
P0204	ECU Bobcat Engine V1	Injector #4 Fault
P0204	ECU Bobcat Engine V1	Injector #2 Fault
P0204	ECU Bobcat Engine V2	Injector #4 Open Circuit
P0215	ECU Bobcat Engine V2	Engine Shutoff Request Signal Detected
P0217	ECU Bobcat Engine V1	Engine Temp Extremely High
P0218	ECU Bobcat Engine V2	CAN Communication Fault - Transmission Oil Temperature
P0219	ECU Bobcat Engine V2	Engine Overspeed Detected
P0219	ECU Bobcat Engine V1	Engine Speed Extremely High
P0221	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P0222	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P0223	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P0224	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P0225-16	Compact Wheel Loader	Throttle Pedal Sensor Out of Range Low
P0225-17	Compact Wheel Loader	Throttle Pedal Sensor Out of Range High

Code	Product	Description
P0225-54	M-Series Loader	Throttle Pedal Position Sensor Calibration Required
P0226-16	Compact Wheel Loader	Throttle Pedal Sensor Secondary Out of Range Low
P0226-17	Compact Wheel Loader	Throttle Pedal Sensor Secondary Out of Range High
P0227-93	Compact Wheel Loader	Throttle Pedal Failure
P0237	ECU Bobcat Engine V1	Engine Oil Pressure Sensor Fault
P0237	ECU Bobcat Engine V1	Intake Air Pressure Sensor Fault
P0238	ECU Bobcat Engine V1	Intake Air Pressure Sensor Fault
P0238	ECU Bobcat Engine V1	Engine Oil Pressure Sensor Fault
P0241	ECU Bobcat Engine V1	Boost Control Fault
P0242	ECU Bobcat Engine V1	Boost Control Fault
P0251	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0252	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0252	ECU Bobcat Engine V2	Low Fuel Rail Pressure
P0253	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0254	ECU Bobcat Engine V2	Fuel Rail Pressure Control Fault
P0254	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0258	ECU Bobcat Engine V1	Rail Pressure Control Fault
P0259	ECU Bobcat Engine V1	Rail Pressure Control Fault
P025A	ECU Bobcat Engine V1	Inlet Metering Valve Fault
P025A	ECU Bobcat Engine V2	Fuel Metering Unit Open Circuit
P025B	ECU Bobcat Engine V1	Inlet Metering Valve Fault
P025B	ECU Bobcat Engine V2	Fuel Metering Unit Fault
P025C	ECU Bobcat Engine V1	Inlet Metering Valve Fault
P025C	ECU Bobcat Engine V2	Fuel Metering Unit Short to Ground
P025D	ECU Bobcat Engine V2	Fuel Metering Unit Short to Battery
P025D	ECU Bobcat Engine V1	Inlet Metering Valve Fault
P0261	ECU Bobcat Engine V1	Injector #1 Fault
P0262	ECU Bobcat Engine V1	Injector #1 Fault
P0264	ECU Bobcat Engine V1	Injector #2 Fault
P0265	ECU Bobcat Engine V1	Injector #2 Fault
P0267	ECU Bobcat Engine V1	Injector #3 Fault
P0268	ECU Bobcat Engine V1	Injector #3 Fault
P0270	ECU Bobcat Engine V1	Injector #4 Fault
P0271	ECU Bobcat Engine V1	Injector #4 Fault
P028A	ECU Bobcat Engine V2	Fan PWM Open Circuit
P028D	ECU Bobcat Engine V2	Fan PWM Short to Ground
P028E	ECU Bobcat Engine V2	Fan PWM Short to Battery
P029A	ECU Bobcat Engine V1	Injector #1 Fault
P029B	ECU Bobcat Engine V1	Injector #1 Fault
P029E	ECU Bobcat Engine V1	Injector #2 Fault
P029F	ECU Bobcat Engine V1	Injector #2 Fault
P02A2	ECU Bobcat Engine V1	Injector #3 Fault
P02A3	ECU Bobcat Engine V1	Injector #3 Fault
P02A6	ECU Bobcat Engine V1	Injector #4 Fault
P02A7	ECU Bobcat Engine V1	Injector #4 Fault
P02E0	ECU Bobcat Engine V2	Air Control Valve H-Bridge Drive Open Circuit
P02E2	ECU Bobcat Engine V2	Air Control Valve H-Bridge Drive Short to Ground
P02E3	ECU Bobcat Engine V2	Air Control Valve H-Bridge Drive Short to Battery
P02E4	ECU Bobcat Engine V2	Air Control Valve Position Fault
P02E5	ECU Bobcat Engine V2	Air Control Valve Position Fault
P02E7	ECU Bobcat Engine V2	Air Control Valve Close Position Fault
P02E8	ECU Bobcat Engine V2	Air Control Valve Sensor Out of Range Low

Code	Product	Description
P02E9	ECU Bobcat Engine V2	Air Control Valve Sensor Out of Range High
P02EA	ECU Bobcat Engine V2	Air Control Valve Close Position Fault
P02EB	ECU Bobcat Engine V2	Air Control Valve Close Position Fault
P02EE	ECU Bobcat Engine V2	Injector #1 Short Circuit
P02EE	ECU Bobcat Engine V1	Injector #1 Fault
P02EF	ECU Bobcat Engine V2	Injector #2 Short Circuit
P02EF	ECU Bobcat Engine V1	Injector #2 Fault
P02F0	ECU Bobcat Engine V1	Injector #3 Fault
P02F0	ECU Bobcat Engine V2	Injector #3 Short Circuit
P02F1	ECU Bobcat Engine V2	Injector #4 Short Circuit
P02F1	ECU Bobcat Engine V1	Injector #4 Fault
P0325	ECU Bobcat Engine V1	Accelerometer Fault
P0330	ECU Bobcat Engine V1	Accelerometer Fault
P0335	ECU Bobcat Engine V1	Crank position sensor fault
P0336	ECU Bobcat Engine V1	Crank position sensor fault
P0339	ECU Bobcat Engine V1	Crank position sensor fault
P0340	ECU Bobcat Engine V1	Camshaft position sensor fault
P0340	ECU Bobcat Engine V1	CAM Signal Fault
P0340	ECU Bobcat Engine V2	Cam Sensor Signal Fault
P0341	ECU Bobcat Engine V1	CAM Signal Fault
P0341	ECU Bobcat Engine V1	Camshaft position sensor fault
P0342	ECU Bobcat Engine V2	Cam Sensor Signal Fault
P0342	ECU Bobcat Engine V1	CAM Signal Fault
P0344	ECU Bobcat Engine V1	CAM Signal Fault
P0344	ECU Bobcat Engine V2	Cam Sensor Signal Fault
P0371	ECU Bobcat Engine V1	Crank position sensor fault
P0372	ECU Bobcat Engine V2	Crank Sensor Signal Fault
P0372	ECU Bobcat Engine V1	Crank position sensor fault
P0374	ECU Bobcat Engine V2	Crank Sensor Signal Fault
P0374	ECU Bobcat Engine V1	Crank position sensor fault
P037E	ECU Bobcat Engine V1	Glow Plug Signal - Fault
P037F	ECU Bobcat Engine V1	Glow Plug Signal - Fault
P0380	ECU Bobcat Engine V1	Glow Plug Relay Fault
P0380	ECU Bobcat Engine V2	Glow Plug Relay Open Circuit
P0380	ECU Bobcat Engine V1	Intake heater fault
P0381	ECU Bobcat Engine V2	Glow Plug Lamp Open Circuit
P0383	ECU Bobcat Engine V2	Glow Plug Relay Short to Ground
P0383	ECU Bobcat Engine V1	Glow Plug Relay Fault
P0384	ECU Bobcat Engine V1	Glow Plug Relay Fault
P0384	ECU Bobcat Engine V2	Glow Plug Relay Short to Battery
P0400	ECU Bobcat Engine V1	EGR Fault
P0400	ECU Bobcat Engine V1	EGR Blocked Fault
P0401	ECU Bobcat Engine V1	EGR Control Fault
P0402	ECU Bobcat Engine V1	EGR Control Fault
P0403	ECU Bobcat Engine V1	EGR Actuator - Fault
P0404	ECU Bobcat Engine V1	EGR Fault
P0404	ECU Bobcat Engine V1	EGR Position Fault
P0404	ECU Bobcat Engine V1	EGR Actuator - Fault
P0405	ECU Bobcat Engine V1	EGR Fault
P0406	ECU Bobcat Engine V2	EGR Position Sensor Out of Range High
P0406	ECU Bobcat Engine V1	EGR Fault
P0406	ECU Bobcat Engine V1	EGR Actuator Position Fault

Code	Product	Description
P0407	ECU Bobcat Engine V1	EGR Actuator Position Fault
P0407	ECU Bobcat Engine V2	EGR Position Sensor Out of Range Low
P0408	ECU Bobcat Engine V2	EGR Flow Rate Error
P0409	ECU Bobcat Engine V1	EGR Position Sensor - Fault
P0409	ECU Bobcat Engine V1	EGR Actuator Position Fault
P0421	ECU Bobcat Engine V1	DOC Exothermal Efficiency Fault
P0421	ECU Bobcat Engine V2	DOC Efficiency Fault (During Regen)
P0426	ECU Bobcat Engine D34	SCR Pre-Treatment Temperature Sensor Tampering
P0427	ECU Bobcat Engine D34	SCR Pre-Treatment Temperature Sensor Out of Range Low
P0428	ECU Bobcat Engine D34	SCR Pre-Treatment Temperature Sensor Out of Range High
P042E	ECU Bobcat Engine V2	EGR Control Position Fault
P042F	ECU Bobcat Engine V2	EGR Control Position Fault
P0460-16	Toolcat	Fuel Level Sensor - Circuit Voltage Below Threshold
P0460-16	Compact Wheel Loader	Fuel Level Sensor Out of Range Low
P0460-17	Toolcat	Fuel Level Sensor - Circuit Voltage Above Threshold
P0460-17	Compact Wheel Loader	Fuel Level Sensor Problem
P046D	ECU Bobcat Engine V1	EGR Actuator Position Fault
P049B	ECU Bobcat Engine V2	EGR Flow Rate Error
P0512	ECU Bobcat Engine V2	Engine Start Switch Stuck On
P0522	ECU Bobcat Engine V2	Engine Oil Pressure Sensor Out of Range Low
P0523	ECU Bobcat Engine V2	Engine Oil Pressure Sensor Out of Range High
P0524	ECU Bobcat Engine V1	Engine Oil Pressure Low
P0527	ECU Bobcat Engine V2	Fan Speed Timeout Fault
P0528	ECU Bobcat Engine V2	Cooling Fan Overspeed
P0529	ECU Bobcat Engine V2	Cooling Fan Underspeed
P0543	ECU Bobcat Engine V1	Exhaust Gas Temperature Sensor - Fault
P0544	ECU Bobcat Engine V2	Turbine Inlet Temperature Fault
P0544	ECU Bobcat Engine V1	Exhaust Gas Temperature Sensor - Fault
P0545	ECU Bobcat Engine V1	Turbo Temperature Sensor Fault
P0545	ECU Bobcat Engine V2	Turbine Inlet Temperature Sensor Out of Range Low
P0546	ECU Bobcat Engine V1	Turbo Temperature Sensor Fault
P0546	ECU Bobcat Engine V2	Turbine Inlet Temperature Sensor Out of Range High
P0546	ECU Bobcat Engine V1	Exhaust Gas Temperature Sensor - Fault
P0547	ECU Bobcat Engine V1	Exhaust Gas Temperature Sensor - Fault
P055B	ECU Bobcat Engine V2	Oil Pressure Warning Lamp Open Circuit
P055C	ECU Bobcat Engine V2	Oil Pressure Warning Lamp Short to Ground
P055D	ECU Bobcat Engine V2	Oil Pressure Warning Lamp Short to Battery
P0562	ECU Bobcat Engine V2	ECU Battery Voltage Extremely Low
P0562	ECU Bobcat Engine V1	Battery Voltage Low
P0563	ECU Bobcat Engine V2	ECU Battery Voltage Extremely High
P0563	ECU Bobcat Engine V1	Battery Voltage High
P056D	ECU Bobcat Engine V2	DEF Supply Module Communication Fault
P0591	ECU Bobcat Engine V2	PTO Lamp Open Circuit
P0592	ECU Bobcat Engine V2	PTO Lamp Short to Ground
P0593	ECU Bobcat Engine V2	PTO Lamp Short to Battery
P05ED	ECU Bobcat Engine V2	DEF Heater Line Short to Battery
P0602	ECU Bobcat Engine V1	ECU Fault
P0602	ECU Bobcat Engine V1	Injector Data Fault
P0603	ECU Bobcat Engine V1	ECU Fault
P0604	ECU Bobcat Engine V1	ECU Fault
P0605	ECU Bobcat Engine V1	ECU Fault
P0606	ECU Bobcat Engine V1	ECU Fault

Code	Product	Description
P060B	ECU Bobcat Engine V2	ECU Calculation Error
P060B	ECU Bobcat Engine V1	ECU Fault
P060C	ECU Bobcat Engine V2	ECU Communication Fault
P0611	ECU Bobcat Engine V1	Injector Fault
P0615	ECU Bobcat Engine V2	Starter Relay Open Circuit
P0616	ECU Bobcat Engine V2	Starter Relay Short to Ground
P0617	ECU Bobcat Engine V2	Starter Relay Short to Battery
P061B	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P0628	ECU Bobcat Engine V1	High Pressure Pump Fault
P0629	ECU Bobcat Engine V1	High Pressure Pump Fault
P062D	ECU Bobcat Engine V1	Injector #1 and #4 Fault
P062D	ECU Bobcat Engine V2	Injector Bank Short Circuit 1
P062E	ECU Bobcat Engine V2	Injector Bank Short Circuit 2
P062E	ECU Bobcat Engine V1	Injector #2 and #3 Fault
P062F	ECU Bobcat Engine V2	ECU Data Read Fault
P062F	ECU Bobcat Engine V1	ECU Fault
P0630	ECU Bobcat Engine V2	ECU Data Write Fault
P0641	ECU Bobcat Engine V1	5V Sensor Supply #1 Fault
P0641	ECU Bobcat Engine V2	ECU 5V Sensor Supply Voltage Out of Range High
P0642	ECU Bobcat Engine V2	ECU 5V Sensor Supply Voltage Out of Range Low
P0651	ECU Bobcat Engine V1	5V Sensor Supply #2 Fault
P0652	ECU Bobcat Engine V1	Sensor Supply Voltage Fault
P0653	ECU Bobcat Engine V1	Sensor Supply Voltage Fault
P0657	ECU Bobcat Engine V2	ECU Sensor Supply 1 Short to Ground
P0658	ECU Bobcat Engine V2	ECU Sensor Supply 1 Voltage Low
P0658	ECU Bobcat Engine D34	DCU Fault
P0659	ECU Bobcat Engine V2	ECU Sensor 1 Voltage High
P0659	ECU Bobcat Engine D34	DCU Fault
P0669	ECU Bobcat Engine V2	High ECU Temperature
P0685	ECU Bobcat Engine V2	ECU Main Relay Fault
P0687	ECU Bobcat Engine V1	ECU Main Relay Fault
P068A	ECU Bobcat Engine V2	ECU Main Relay Fault
P068A	ECU Bobcat Engine D34	DCU Fault
P0697	ECU Bobcat Engine V1	5V Aux Sensor Supply #2 Fault
P06AD	ECU Bobcat Engine V2	ECU Temperature Sensor Short to Ground
P06AE	ECU Bobcat Engine V2	ECU Temperature Sensor Short to Battery
P06F0	ECU Bobcat Engine V2	DEF Supply Module Fault
P06F1	ECU Bobcat Engine V2	DEF Supply Module Fault
POC17	ECU Bobcat Engine V1	EGR Position Learning - Fault
POC17	ECU Bobcat Engine V2	EGR Closed Position Fault
POC18	ECU Bobcat Engine V1	EGR Position Learning - Fault
POC18	ECU Bobcat Engine V2	EGR Closed Position Fault
POC19	ECU Bobcat Engine V2	EGR Closed Position Fault
P100A-11	Toolcat	Start Output - Circuit Short to Ground
P100A-11	M-Series Loader	Starter Output Short to Ground
P100A-12	M-Series Loader	Starter Output Short to Battery
P100A-12	Toolcat	Starter Output - Circuit Short to Battery
P100A-13	Toolcat	Starter Output - Circuit Open
P100A-13	M-Series Loader	Starter Output Open Circuit
P100B-16	M-Series Loader	Starter Output Error Off
P100B-16	Toolcat	Starter Feedback - Circuit Voltage Below Threshold
P100B-17	Toolcat	Starter Feedback - Circuit Voltage Above Threshold

Code	Product	Description
P100B-17	M-Series Loader	Starter Output Error On
P1013	ECU Bobcat Engine V2	Engine Speed Fault
P101A	ECU Bobcat Engine V2	ECU Internal Fault
P1020-11	Small Articulated Loader	Glow Plug Output Short to Ground
P1020-12	Small Articulated Loader	Glow Plug Output Short to Battery
P1020-13	Small Articulated Loader	Glow Plug Output Open Circuit
P1021-16	Small Articulated Loader	Glow Plug Output Error Off
P1021-17	Small Articulated Loader	Glow Plug Output Error On
P1033	ECU Bobcat Engine V2	High DPF Inlet Temperature
P1044	ECU Bobcat Engine V2	DEF Tank Temperature Sensor Error Low
P1045	ECU Bobcat Engine V2	DEF Tank Temperature Sensor Error High
P1060-16	M-Series Loader	Air Filter Out of Range Low
P1060-17	M-Series Loader	Air Filter Out of Range High
P1061-97	Toolcat	Air Filter Pressure - Component or System Operation Obstructed or Blocked
P1061-97	Compact Wheel Loader	Air Filter Plugged
P1062-00	Toolcat	Air Filter Pressure Derate Level 1
P1062-00	M-Series Loader	Air Filter Plugged
P1063-00	M-Series Loader	Air Filter Plugged
P1063-00	Toolcat	Air Filter Pressure Derate Level 2
P1065-31	Toolcat	Air Filter Switch - No Signal
P1065-31	Compact Wheel Loader	Air Filter Switch Not Connected
P106C	ECU Bobcat Engine V2	Low DEF Quality
P106D	ECU Bobcat Engine V2	High DEF Quality
P1073	ECU Bobcat Engine V2	High Engine Compartment Temperature
P107D	ECU Bobcat Engine V2	High Inlet Air Temperature
P108A	ECU Bobcat Engine V2	DEF Supply Pump Motor Speed Fault
P108B	ECU Bobcat Engine V2	DEF Supply Pump Motor Speed Fault
P108C	ECU Bobcat Engine V2	DEF Supply Pump Motor Fault
P10AD	ECU Bobcat Engine V2	High Intake Manifold Temperature
P10E0-F8	Small Articulated Loader	Engine Oil Pressure Extremely Low
P10E0-FD	Small Articulated Loader	Engine Oil Pressure Shutdown
P10F0-29	Small Articulated Loader	Engine Speed Invalid Data
P10F0-31	Small Articulated Loader	Engine Speed No Signal
P10F0-FA	Small Articulated Loader	Engine Speed Too High
P10F0-FB	Small Articulated Loader	Engine Speed Extremely High
P10F0-FD	Small Articulated Loader	Engine Speed Shutdown
P1100-FA	Compact Wheel Loader	Engine Coolant Temperature High
P1100-FA	Toolcat	Engine Coolant Temperature - High
P1100-FB	Compact Wheel Loader	Engine Coolant Temperature Extremely High
P1100-FB	Toolcat	Engine Coolant Temperature - Extremely High
P1100-FC	Compact Wheel Loader	Engine Coolant Temperature Shutdown
P1100-FD	Small Articulated Loader	Engine Coolant Temperature Shutdown
P1101-16	Small Articulated Loader	Engine Coolant Temperature Out of Range Low
P1101-17	Small Articulated Loader	Engine Coolant Temperature Out of Range High
P1110-FA	Compact Wheel Loader	Fuel Temperature High
P1110-FB	Compact Wheel Loader	Fuel Temperature Extremely High
P1110-FC	Compact Wheel Loader	Fuel Temperature Limiting Performance
P1115-FA	Compact Wheel Loader	Air Intake Temperature Too High
P1115-FB	Compact Wheel Loader	Air Intake Temperature Extremely High
P1115-FC	Compact Wheel Loader	Air Intake Temperature Limiting Performance
P1118	ECU Bobcat Engine V2	High Engine Coolant Temp
P1120-00	Compact Wheel Loader	Fuel Filter Plugged

Code	Product	Description
P1121-00	Toolcat	Fuel Filter Plugged Derate Level 1
P1121-00	Compact Wheel Loader	Fuel Filter Derate Level 1
P1122-00	Compact Wheel Loader	Fuel Filter Derate Level 2
P1122-00	Toolcat	Fuel Filter Plugged Derate Level 2
P1125-00	Compact Wheel Loader	Fuel Filter Extremely Plugged
P1130-F8	Toolcat	Fuel Filter Inlet Pressure Sensor - Extremely Low
P1130-F8	Compact Wheel Loader	Fuel Filter Inlet Pressure Extremely Low
P1130-F9	Compact Wheel Loader	Fuel Filter Inlet Pressure Low
P1130-F9	Toolcat	Fuel Filter Inlet Pressure Sensor - Low
P1131-13	M-Series Loader	Fuel Filter Inlet Pressure Sensor Open Circuit
P1131-16	Toolcat	Fuel Filter Inlet Pressure Sensor - Circuit Voltage Below Threshold
P1131-16	Compact Wheel Loader	Fuel Pressure Out of Range Low
P1131-17	Toolcat	Fuel Filter Inlet Pressure Sensor - Circuit Voltage Above Threshold
P1131-17	Compact Wheel Loader	Fuel Pressure Out of Range High
P1134-11	Compact Wheel Loader	Fuel Lift Pump Short to Ground
P1134-12	Toolcat	Fuel Lift Pump - Circuit Short to Battery
P1134-12	M-Series Loader	Fuel Lift Pump Short to Battery
P1134-13	M-Series Loader	Fuel Lift Pump Open Circuit
P1134-14	Toolcat	Fuel Lift Pump - Circuit Short to Ground or Open
P1134-15	Compact Wheel Loader	Fuel Lift Pump Short Error On
P1134-63	Compact Wheel Loader	Fuel Lift Pump Protection Time-Out
P1134-63	Toolcat	Fuel Lift Pump - Circuit / Component Protection Time-Out
P113B-7B	Toolcat	Fuel Level - Low Fluid Level
P113B-7B	Compact Wheel Loader	Fuel Level Low
P1140-11	Small Articulated Loader	Fuel Pull Output Error Off
P1140-12	Small Articulated Loader	Fuel Pull Output Error On
P1140-13	Small Articulated Loader	Fuel Pull Output Open Circuit
P1141-16	Small Articulated Loader	Fuel Pull Output Error Off
P1141-17	Small Articulated Loader	Fuel Pull Output Error On
P1145-11	Small Articulated Loader	Fuel Hold Solenoid Short to Ground
P1145-12	Small Articulated Loader	Fuel Hold Solenoid Short to Battery
P1145-13	Small Articulated Loader	Fuel Hold Solenoid Open Circuit
P115A	ECU Bobcat Engine D34	DEF Temperature Sensor Failure
P115C	ECU Bobcat Engine D34	DEF Temperature Sensor Short to Ground
P115D	ECU Bobcat Engine D34	DEF Temperature Sensor Open Circuit
P1183	ECU Bobcat Engine V2	High Fuel Temperature
P1219	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1220	ECU Bobcat Engine D34	DEF Temperature Fault
P1221	ECU Bobcat Engine D34	DEF Temperature Fault
P1223	ECU Bobcat Engine D34	DEF Temperature Too High
P1224	ECU Bobcat Engine D34	DEF Temperature Too Low
P1227	ECU Bobcat Engine V2	Low DEF Tank Temperature Fault
P1227	ECU Bobcat Engine D34	DEF Temperature Sensor Fault
P1228	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1229	ECU Bobcat Engine D34	DEF Temperature Signal Fault
P1230	ECU Bobcat Engine V2	DEF Tank Level Signal Error
P1230	ECU Bobcat Engine D34	DEF Level Signal Fault
P1231	ECU Bobcat Engine D34	DEF Level Sensor Fault
P123A	ECU Bobcat Engine D34	DEF Fill Level Fault
P123B	ECU Bobcat Engine D34	DEF Fill Level Fault
P123C	ECU Bobcat Engine D34	DEF Level Extremely Low
P123D	ECU Bobcat Engine D34	DEF Level Empty

Code	Product	Description
P1274	ECU Bobcat Engine V1	Fuel Pump Fault
P1275	ECU Bobcat Engine V1	Fuel Pump Fault
P12E5	ECU Bobcat Engine V2	EGR Fault - Level 1 Inducement
P12E6	ECU Bobcat Engine V2	EGR Fault - Level 2 Inducement
P12E7	ECU Bobcat Engine V2	EGR Fault - Level 3 Inducement
P12E8	ECU Bobcat Engine V2	EGR Fault - Warning
P12E9	ECU Bobcat Engine V2	SCR Dosing Interrupted - Level 1 Inducement
P12EA	ECU Bobcat Engine V2	SCR Dosing Interrupted - Level 2 Inducement
P12EB	ECU Bobcat Engine V2	SCR Dosing Interrupted - Level 3 Inducement
P12EC	ECU Bobcat Engine V2	SCR Dosing Interrupted - Warning
P12F2	ECU Bobcat Engine V2	DEF Quality - Level 1 Inducement
P12F3	ECU Bobcat Engine V2	DEF Quality - Level 2 Inducement
P12F4	ECU Bobcat Engine V2	DEF Quality - Level 3 Inducement
P12F5	ECU Bobcat Engine V2	DEF Quality - Warning
P12F6	ECU Bobcat Engine V2	SCR Tampering - Level 1 Inducement
P12F7	ECU Bobcat Engine V2	SCR Tampering - Level 2 Inducement
P12F8	ECU Bobcat Engine V2	SCR Tampering - Level 3 Inducement
P12F9	ECU Bobcat Engine V2	SCR Tampering - Warning
P1303	ECU Bobcat Engine V2	SCR Fault Repeat Offense - Level 1 Inducement
P1304	ECU Bobcat Engine V2	SCR Fault Repeat Offense - Level 2 Inducement
P1305	ECU Bobcat Engine V2	SCR Fault Repeat Offense - Level 3 Inducement
P1332	ECU Bobcat Engine D34	Dosing Valve Tip Temperature Fault
P1337	ECU Bobcat Engine D34	Dosing Valve Tip Temperature Fault
P1350	ECU Bobcat Engine D34	DOC Pre-Treatment Temperature Too High
P1351	ECU Bobcat Engine D34	DOC Pre-Treatment Temperature Too Low
P1353	ECU Bobcat Engine D34	DOC Pre-Treatment Temperature Sensor Out of Range High
P1354	ECU Bobcat Engine D34	DOC Pre-Treatment Temperature Sensor Out of Range Low
P1360	ECU Bobcat Engine D34	SCR Pre-Treatment Temperature Too High
P1361	ECU Bobcat Engine D34	SCR Pre-Treatment Temperature Too Low
P1443	ECU Bobcat Engine D34	DEF Pump Pressure Max
P1444	ECU Bobcat Engine D34	DEF Pump Pressure Min
P1450	ECU Bobcat Engine V2	High DEF Pump Pressure
P1450	ECU Bobcat Engine D34	Metering Control Overpressure
P1451	ECU Bobcat Engine D34	Metering Control Underpressure
P1451	ECU Bobcat Engine V2	Low DEF Pump Pressure
P1452	ECU Bobcat Engine D34	Monitoring of Overpressure
P1452	ECU Bobcat Engine V2	High DEF Pump Pressure
P1453	ECU Bobcat Engine V2	DEF Pump Pressure Stabilization Fault
P1453	ECU Bobcat Engine D34	Pressure Stabilization Fault
P1454	ECU Bobcat Engine V2	Low DPF Differential Pressure
P1455	ECU Bobcat Engine D34	Monitoring of Pressure Build-up
P1457	ECU Bobcat Engine V2	Low DEF Pump Pressure
P1459	ECU Bobcat Engine V2	DEF Pressure Reduction Fault
P1460	ECU Bobcat Engine V2	DEF Afterrun Error
P1461	ECU Bobcat Engine V2	DEF Reverting Valve Pressure Fault
P1511	ECU Bobcat Engine D34	DEF Quality Sensor Fault
P1522	ECU Bobcat Engine V2	Low Engine Oil Pressure
P1531	ECU Bobcat Engine D34	DEF Quality Sensor Fault
P1546	ECU Bobcat Engine V2	High Turbine Inlet Temperature
P1560	ECU Bobcat Engine D34	DEF Quality Too High
P1561	ECU Bobcat Engine D34	DEF Quality Too Low
P1561	ECU Bobcat Engine D34	Battery Voltage Fault

Code	Product	Description
P1562	ECU Bobcat Engine V2	ECU Battery Voltage Low
P1562	ECU Bobcat Engine D34	Battery Voltage Low
P1563	ECU Bobcat Engine V2	ECU Battery Voltage High
P1563	ECU Bobcat Engine D34	Battery Voltage High
P1564	ECU Bobcat Engine V2	ECU Battery Voltage Extremely High
P1565	ECU Bobcat Engine V2	ECU Battery Voltage Extremely Low
P1601	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1602	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1602	ECU Bobcat Engine D34	DCU Sensor Supply Error
P1604	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1606	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1607	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P160B	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P160B	ECU Bobcat Engine V2	ECU Internal Fault
P160C	ECU Bobcat Engine V2	ECU Internal Fault
P160C	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P160D	ECU Bobcat Engine V2	ECU Internal Fault
P160E	ECU Bobcat Engine V2	ECU Internal Fault
P160F	ECU Bobcat Engine D34	DCU Fault
P160F	ECU Bobcat Engine V2	ECU Memory Fault
P1610	ECU Bobcat Engine V2	ECU Internal Fault
P1611	ECU Bobcat Engine V2	ECU Internal Fault
P1611	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1612	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1612	ECU Bobcat Engine V2	ECU Internal Fault
P1613	ECU Bobcat Engine V2	ECU Internal Fault
P1614	ECU Bobcat Engine V2	ECU Internal Fault
P1615	ECU Bobcat Engine V2	ECU Internal Fault
P1616	ECU Bobcat Engine V2	ECU Internal Fault
P1617	ECU Bobcat Engine V2	ECU Internal Fault
P1618	ECU Bobcat Engine V2	ECU Internal Fault
P1619	ECU Bobcat Engine V2	ECU Internal Fault
P1620	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1621	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1622	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1623	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1624	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1625	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1626	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1627	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P162B	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1630	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1630	ECU Bobcat Engine D34	DCU Fault
P1631	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1631	ECU Bobcat Engine D34	DCU Fault
P1632	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1633	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1634	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1635	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1636	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1637	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1638	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault

Code	Product	Description
P1657	ECU Bobcat Engine V2	ECU Sensor Supply 1 Voltage Fault
P1660	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1661	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1662	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1663	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1669	ECU Bobcat Engine V2	ECU Sensor Supply 2 Voltage Fault
P1684	ECU Bobcat Engine V2	ECU Sensor Supply 3 Voltage Fault
P1690	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1691	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1692	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P16C0	ECU Bobcat Engine D34	DCU Fault
P16C1	ECU Bobcat Engine D34	DCU Fault
P16C2	ECU Bobcat Engine D34	DCU Fault
P16C3	ECU Bobcat Engine D34	DCU Fault
P16C4	ECU Bobcat Engine D34	DCU Fault
P16C5	ECU Bobcat Engine D34	DCU Fault
P16D2	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P16D6	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P16D8	ECU Bobcat Engine V1	ECU Safety Monitoring - Fault
P1710	ECU Bobcat Engine D34	Environment Temperature Too High
P1711	ECU Bobcat Engine D34	Environment Temperature Too Low
P1712	ECU Bobcat Engine D34	Environment Temperature Sensor Fault
P1713	ECU Bobcat Engine D34	Environment Temperature Sensor Fault
P1880	ECU Bobcat Engine D34	Outlet Line Heater Fault
P1882	ECU Bobcat Engine D34	Outlet Line Heater Fault
P1884	ECU Bobcat Engine D34	Outlet Line Heater Over-temperature
P1885	ECU Bobcat Engine D34	Outlet Line Heater Open Circuit
P1892	ECU Bobcat Engine D34	Backflow Line Heater Fault
P1893	ECU Bobcat Engine V2	DEF Backflow Line Pressure Fault
P1893	ECU Bobcat Engine D34	Backflow fault
P1894	ECU Bobcat Engine D34	Backflow Line Heater Over-Temperature
P1895	ECU Bobcat Engine D34	Backflow Line Heater Open Circuit
P18A2	ECU Bobcat Engine D34	Inlet Line Heater Fault
P18A3	ECU Bobcat Engine D34	Inlet Line Heater Short to Battery
P18A4	ECU Bobcat Engine D34	Inlet Line Heater Over-Temperature
P18A5	ECU Bobcat Engine D34	Inlet Line Heater Open Circuit
P18B0	ECU Bobcat Engine D34	DEF Line Heater Short to Battery
P18B2	ECU Bobcat Engine D34	DEF Heater Relay Over-Temperature
P18B5	ECU Bobcat Engine D34	DEF Heater Relay Open Circuit
P1904	ECU Bobcat Engine V2	Glow Plug Lamp Short to Ground
P1906	ECU Bobcat Engine V2	DPF Regeneration Switch Inhibit Lamp Open Circuit
P1907	ECU Bobcat Engine V2	DPF Regeneration Switch Inhibit Lamp Short to Ground
P1908	ECU Bobcat Engine V2	DPF Regeneration Switch Inhibit Lamp Short to Battery
P190B	ECU Bobcat Engine V2	High Fuel Rail Pressure
P190C	ECU Bobcat Engine V2	Low Fuel Rail Pressure
P192E	ECU Bobcat Engine V2	Check Engine Lamp Open Circuit
P192F	ECU Bobcat Engine V2	Check Engine Lamp Short to Ground
P1931	ECU Bobcat Engine V2	Check Engine Lamp Short to Battery
P1934	ECU Bobcat Engine V2	Pressure Relief Valve Fault
P1990	ECU Bobcat Engine V1	ECU - Fault
P1A32	ECU Bobcat Engine D34	Nox Sensor Self Diagnostics
P1A37	ECU Bobcat Engine D34	Nox Sensor Self Diagnostics

Code	Product	Description
P1A39	ECU Bobcat Engine D34	Nox Sensor Self Diagnostics
P1A42	ECU Bobcat Engine D34	Nox Sensor Self Diagnostics
P1A47	ECU Bobcat Engine D34	Nox Sensor Self Diagnostics
P1A49	ECU Bobcat Engine D34	Nox Sensor Self Diagnostics
P201F	ECU Bobcat Engine D34	DEF Pump Motor Speed Fault
P202A	ECU Bobcat Engine D34	DEF Tank Coolant Valve Open Circuit
P202B	ECU Bobcat Engine D34	DEF Tank Coolant Valve Short to Ground
P202C	ECU Bobcat Engine D34	DEF Tank Coolant Valve Short to Battery
P202D	ECU Bobcat Engine V2	DEF Leakage Fault
P202E	ECU Bobcat Engine D34	Dosing Valve Temperature Too High
P202E	ECU Bobcat Engine V2	DEF Dosing Valve Error
P2032	ECU Bobcat Engine V2	DPF Inlet Temperature Sensor Out of Range Low
P2033	ECU Bobcat Engine V2	DPF Inlet Temperature Sensor Out of Range High
P2034	ECU Bobcat Engine V2	DPF Inlet Temperature Fault
P203A	ECU Bobcat Engine V2	DEF Level Sensor Open Circuit
P203C	ECU Bobcat Engine D34	DEF Level Sensor Fault
P203D	ECU Bobcat Engine D34	DEF Level Sensor Fault
P203F	ECU Bobcat Engine V2	DEF Tank Empty
P2041	ECU Bobcat Engine V2	DEF Level Sensor Short Circuit
P2043	ECU Bobcat Engine V2	DEF Temperature Sensor Open Circuit
P2046	ECU Bobcat Engine V2	DEF Temperature Sensor Short Circuit
P2047	ECU Bobcat Engine D34	Dosing Valve Short to Battery
P2047	ECU Bobcat Engine V2	DEF Dosing Valve Short to Battery
P2048	ECU Bobcat Engine V2	DEF Dosing Valve Short to Ground
P2048	ECU Bobcat Engine D34	Dosing Valve Short to Ground
P2049	ECU Bobcat Engine D34	Dosing Valve Short to Battery
P2049	ECU Bobcat Engine V2	DEF Dosing Valve Open Circuit
P204A	ECU Bobcat Engine V2	DEF Pressure Fault
P204A	ECU Bobcat Engine D34	General Pressure Check Fault
P204C	ECU Bobcat Engine V2	DEF Supply Pump Pressure Sensor Out of Range Low
P204D	ECU Bobcat Engine V2	DEF Supply Pump Pressure Sensor Out of Range High
P204E	ECU Bobcat Engine D34	Backflow Pump Fault
P2050	ECU Bobcat Engine V2	DEF Dosing Valve Short to Battery
P2051	ECU Bobcat Engine V2	DEF Dosing Valve Short to Ground
P205E	ECU Bobcat Engine V2	High DEF Tank Temperature
P205E	ECU Bobcat Engine D34	DEF Overheating
P206C	ECU Bobcat Engine D34	DEF Quality Sensor Fault
P206D	ECU Bobcat Engine D34	DEF Quality Sensor Fault
P2080	ECU Bobcat Engine V1	Turbo Temperature Fault
P2081	ECU Bobcat Engine V1	Turbo Temperature Sensor Fault
P208A	ECU Bobcat Engine V2	DEF Supply Pump Motor Open Circuit
P208A	ECU Bobcat Engine D34	DEF Pump Motor Open Circuit
P208B	ECU Bobcat Engine V2	DEF Supply Pump Motor Signal Error
P208B	ECU Bobcat Engine D34	DEF Pump Motor Overtemperature
P208C	ECU Bobcat Engine V2	DEF Supply Pump Motor Short to Ground
P208C	ECU Bobcat Engine D34	DEF Pump Motor Short to Ground
P208D	ECU Bobcat Engine V2	DEF Supply Pump Motor Short to Battery
P208D	ECU Bobcat Engine D34	DEF Pump Motor Short to Battery
P208E	ECU Bobcat Engine D34	Dosing Valve Blocked
P208E	ECU Bobcat Engine V2	DEF Dosing Valve Blocked
P209F	ECU Bobcat Engine D34	DEF Tank Coolant Valve Temperature Too High
P20A0	ECU Bobcat Engine V2	DEF Reverting Valve Open Circuit

Code	Product	Description
P20A1	ECU Bobcat Engine V2	High DEF Reverting Valve Temperature
P20A2	ECU Bobcat Engine V2	DEF Reverting Valve Short to Ground
P20A3	ECU Bobcat Engine V2	DEF Reverting Valve Short to Battery
P20A5	ECU Bobcat Engine V2	DEF Reverting Valve Pressure Fault
P20AC	ECU Bobcat Engine V2	DEF Supply Module Heater Fault
P20AD	ECU Bobcat Engine V2	DEF Supply Module Heater Fault
P20B0	ECU Bobcat Engine V2	DEF Supply Module Temperature Fault
P20B1	ECU Bobcat Engine V2	DEF Tank Heater Valve Open Circuit
P20B3	ECU Bobcat Engine V2	DEF Tank Heater Valve Short to Ground
P20B4	ECU Bobcat Engine V2	DEF Tank Heating/Coolant Valve Short to Battery
P20B9	ECU Bobcat Engine V2	DEF Supply Module Heater Relay Open Circuit
P20B9	ECU Bobcat Engine D34	Supply Module Heater Open Circuit
P20BA	ECU Bobcat Engine D34	Supply Module Heater Overtemperature
P20BA	ECU Bobcat Engine V2	DEF Supply Module Heater Fault
P20BB	ECU Bobcat Engine V2	DEF Supply Module Heater Relay Short to Ground
P20BC	ECU Bobcat Engine D34	Supply Module Heater Short to Battery
P20BC	ECU Bobcat Engine V2	DEF Supply Module Heater Relay Short to Battery
P20BD	ECU Bobcat Engine V2	DEF Pressure Line Heater Relay Open Circuit
P20BD	ECU Bobcat Engine D34	DEF Outlet Line Heater Short to Ground or Open Circuit
P20BE	ECU Bobcat Engine V2	DEF Pressure Line Heater Fault
P20BF	ECU Bobcat Engine V2	DEF Pressure Line Heater Relay Short to Ground
P20BF	ECU Bobcat Engine D34	Outlet Line Heater Short to Ground
P20C0	ECU Bobcat Engine D34	Outlet Line Heater Short to Battery
P20C0	ECU Bobcat Engine V2	DEF Pressure Line Heater Relay Short to Battery
P20C1	ECU Bobcat Engine V2	DEF Backflow Line Heater Relay Open Circuit
P20C1	ECU Bobcat Engine D34	DEF Backflow Line Heater Short to Ground or Open Circuit
P20C2	ECU Bobcat Engine V2	DEF Backflow Line Heater Fault
P20C3	ECU Bobcat Engine V2	DEF Backflow Line Heater Relay Short to Ground
P20C3	ECU Bobcat Engine D34	Backflow Line Heater Short to Ground
P20C4	ECU Bobcat Engine V2	DEF Backflow Line Heater Relay Short to Battery
P20C4	ECU Bobcat Engine D34	Backflow Line Heater Short to Battery
P20C5	ECU Bobcat Engine V2	DEF Suction Line Heater Relay Open Circuit
P20C5	ECU Bobcat Engine D34	DEF Inlet Line Heater Short to Ground or Open Circuit
P20C6	ECU Bobcat Engine V2	DEF Suction Line Heater Fault
P20C7	ECU Bobcat Engine V2	DEF Suction Line Heater Relay Short to Ground
P20C7	ECU Bobcat Engine D34	Inlet Line Heater Short to Ground
P20C8	ECU Bobcat Engine V2	DEF Suction Line Heater Relay Short to Battery
P20E8	ECU Bobcat Engine D34	DEF Pump Pressure Too Low
P20EE	ECU Bobcat Engine V2	SCR Efficiency Low
P20EE	ECU Bobcat Engine D34	SCR Efficiency Fault
P20FA	ECU Bobcat Engine D34	DEF Backflow Pump Open Circuit
P20FB	ECU Bobcat Engine D34	DEF Backflow Pump Overtemperature
P20FC	ECU Bobcat Engine D34	DEF Backflow Pump Short to Ground
P20FD	ECU Bobcat Engine D34	DEF Backflow Pump Short to Battery
P20FF	ECU Bobcat Engine V2	DEF Supply Module Communication Timeout
P2108	ECU Bobcat Engine V1	Intake Throttle - Fault
P2131	ECU Bobcat Engine V1	Throttle Position Sensor Fault
P2135	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P2136	ECU Bobcat Engine V2	Engine Speed Control Signal Fault
P213E	ECU Bobcat Engine V2	ECU Internal Shutdown
P2143	ECU Bobcat Engine V2	EGR H-Bridge Driver Open Circuit
P2143	ECU Bobcat Engine V1	EGR Motor - Fault

Code	Product	Description
P2144	ECU Bobcat Engine V2	EGR H-Bridge Driver Short to Ground
P2144	ECU Bobcat Engine V1	EGR Motor - Fault
P2145	ECU Bobcat Engine V1	EGR Motor - Fault
P2145	ECU Bobcat Engine V2	EGR H-Bridge Driver Short to Battery
P2146	ECU Bobcat Engine V1	Injector #1 and #4 Fault
P2147	ECU Bobcat Engine V1	Injector #1 and #4 Fault
P2148	ECU Bobcat Engine V1	Injector #1 and #4 Fault
P2149	ECU Bobcat Engine V1	Injector #2 and #3 Fault
P214F	ECU Bobcat Engine V2	DEF Supply Module Heater Open Circuit
P2150	ECU Bobcat Engine V1	Injector #2 and #3 Fault
P2151	ECU Bobcat Engine V1	Injector #2 and #3 Fault
P215E	ECU Bobcat Engine V2	DEF Suction Line Heater SC/STG Fault
P215F	ECU Bobcat Engine V2	DEF Suction Line Heater Open Circuit
P21C2	ECU Bobcat Engine V2	DEF Main Heater Relay Open Circuit
P21C3	ECU Bobcat Engine D34	DEF Heater Relay Short to Ground
P21C3	ECU Bobcat Engine V2	DEF Main Heater Relay Short to Ground
P21C4	ECU Bobcat Engine D34	DEF Heater Relay Short to Battery
P21C4	ECU Bobcat Engine V2	DEF Main Heater Relay Short to Battery
P21C7	ECU Bobcat Engine V2	SCR System Main Relay Fault
P21C8	ECU Bobcat Engine V2	SCR System Main Relay Short to Ground
P21C9	ECU Bobcat Engine V2	SCR System Main Relay Short to Battery
P21DD	ECU Bobcat Engine V2	DEF Supply Module Heater Short to Ground
P2202	ECU Bobcat Engine V2	Upstream NOx Sensor Short Circuit
P2202	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Short Circuit
P2203	ECU Bobcat Engine V2	Upstream NOx Sensor Open Circuit
P2203	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Open Circuit
P2215	ECU Bobcat Engine V2	Downstream NOx Sensor Short Circuit
P2215	ECU Bobcat Engine D34	NOx Post-treatment Sensor Short Circuit
P2216	ECU Bobcat Engine D34	NOx Post-treatment Sensor Open Circuit
P2216	ECU Bobcat Engine V2	Downstream NOx Sensor Open Circuit
P221C	ECU Bobcat Engine V2	DEF Pressure Line Heater Electrical Fault
P221D	ECU Bobcat Engine V2	DEF Pressure Line Heater Open Circuit
P221E	ECU Bobcat Engine V2	DEF Backflow Line Heater Electrical Fault
P221F	ECU Bobcat Engine V2	DEF Backflow Line Heater Open Circuit
P2226	ECU Bobcat Engine V1	Barometric Pressure Fault
P2228	ECU Bobcat Engine V2	Atmospheric Pressure Low Fault
P2228	ECU Bobcat Engine V1	Barometric Pressure Fault
P2229	ECU Bobcat Engine V1	Barometric Pressure Fault
P2229	ECU Bobcat Engine V2	Atmospheric Pressure High Fault
P225D	ECU Bobcat Engine V2	Low Upstream NOx Concentration
P2264	ECU Bobcat Engine V1	Water in Fuel Sensor Fault
P2265	ECU Bobcat Engine V2	Water in Fuel Detected - Derate
P2266	ECU Bobcat Engine V2	Water in Fuel Sensor Out of Range Low
P2266	ECU Bobcat Engine V1	Water in Fuel Sensor Fault
P2267	ECU Bobcat Engine V1	Water in Fuel Sensor Fault
P2267	ECU Bobcat Engine V2	Water in Fuel Sensor Out of Range High
P2269	ECU Bobcat Engine V2	Water in Fuel Detected
P2381	ECU Bobcat Engine D34	Nox Pre-Treatment Fault
P2381	ECU Bobcat Engine V2	Glow Plug Lamp Short to Battery
P2382	ECU Bobcat Engine D34	Nox Post-Treatment Fault
P2383	ECU Bobcat Engine D34	Nox Pre-Treatment Fault
P2383	ECU Bobcat Engine V2	Upstream NOx Sensor Installation Fault

Code	Product	Description
P2384	ECU Bobcat Engine V2	Downstream NOx Sensor Installation Fault
P2384	ECU Bobcat Engine D34	Nox Post-Treatment Fault
P2385	ECU Bobcat Engine D34	Nox Pre-Treatment Fault
P2386	ECU Bobcat Engine D34	Nox Post-Treatment Fault
P2387	ECU Bobcat Engine D34	Nox Pre-Treatment Fault
P2388	ECU Bobcat Engine D34	Nox Pre-Treatment Fault
P2391	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
P2392	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
P2393	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
P2394	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
P2395	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
P2396	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
P2397	ECU Bobcat Engine V2	Upstream NOx Concentration Low
P2397	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
P2398	ECU Bobcat Engine V2	Downstream NOx Concentration Low
P2398	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
P23A1	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
P23A2	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
P23A3	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
P23A4	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
P23A5	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
P23A6	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
P23A7	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
P23A8	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
P23A9	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
P23AA	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
P23B0	ECU Bobcat Engine D34	DEF Hose Leak
P23B1	ECU Bobcat Engine D34	Evaluate Filter Clog
P23B2	ECU Bobcat Engine D34	Supply Module Heater Fault
P23B2	ECU Bobcat Engine V2	DEF Supply Module Heater Fault
P23B3	ECU Bobcat Engine V2	DEF Supply Module Heater Temperature Fault
P23B3	ECU Bobcat Engine D34	Supply Module Heater Temperature Fault
P23B4	ECU Bobcat Engine D34	Supply Module Heater Temperature Fault
P23B4	ECU Bobcat Engine V2	DEF Supply Module Heater Temperature Fault
P23B5	ECU Bobcat Engine D34	Supply Module Temperature Fault
P23B5	ECU Bobcat Engine V2	DEF Supply Module Temperature Fault
P23B6	ECU Bobcat Engine D34	Supply Module Temperature Fault
P23B6	ECU Bobcat Engine V2	DEF Supply Module Temperature Fault
P23BA	ECU Bobcat Engine D34	DEF Pump Pressure Too Low
P23BB	ECU Bobcat Engine D34	DEF Pump Pressure Too High
P2413	ECU Bobcat Engine V1	EGR Actuator - Fault
P2414	ECU Bobcat Engine V1	EGR Motor - Fault
P2415	ECU Bobcat Engine V1	EGR Temperature Sensor - Fault
P2428	ECU Bobcat Engine V1	Exhaust Over Temperature Fault
P242B	ECU Bobcat Engine V1	SCR Inlet Temperature Sensor Fault
P242C	ECU Bobcat Engine V1	EGR Temperature Sensor - Fault
P242D	ECU Bobcat Engine V1	EGR Temperature Sensor - Fault
P242F	ECU Bobcat Engine V2	High DPF Ash Content - Ash Cleaning Needed
P2454	ECU Bobcat Engine V2	DPF Differential Pressure Sensor Out of Range Low
P2455	ECU Bobcat Engine V2	DPF Differential Pressure Sensor Out of Range High
P2463	ECU Bobcat Engine V2	High DPF Soot Mass - Regen Required
P2463	ECU Bobcat Engine V1	SCR Fault

Code	Product	Description
P246B	ECU Bobcat Engine V2	DPF Regeneration Failure
P246C	ECU Bobcat Engine V2	High DPF Differential Pressure - DPF Plugged
P24A3	ECU Bobcat Engine V2	Very High DPF Soot Mass - Service Regen Required
P24F4	ECU Bobcat Engine D34	SCR Pre-Treatment Temperature Fault
P24F5	ECU Bobcat Engine D34	SCR Pre-Treatment Temperature Fault
P24F6	ECU Bobcat Engine D34	SCR Pre-Treatment Temperature Fault
P2505	ECU Bobcat Engine V2	High ECU Temperature
P2506	ECU Bobcat Engine V2	ECU Software Reset
P2507	ECU Bobcat Engine V2	ECU Internal Fault
P2508	ECU Bobcat Engine V2	ECU Internal Fault
P2509	ECU Bobcat Engine V2	ECU Internal Fault
P250A	ECU Bobcat Engine V2	Oil Level/Temp Sensor Open Circuit
P250C	ECU Bobcat Engine V2	Oil Level/Temp Sensor Short to Ground
P250D	ECU Bobcat Engine V2	Oil Level/Temp Sensor Short to Battery
P250F	ECU Bobcat Engine V2	Check Engine Oil Level
P2510	ECU Bobcat Engine D34	DCU Fault
P2511	ECU Bobcat Engine V2	ECU Internal Fault
P2530	ECU Bobcat Engine D34	DCU Activation Signal Fault
P2546	ECU Bobcat Engine V2	Multi-Torque Switch Out of Range Low
P2547	ECU Bobcat Engine V2	Multi-Torque Switch Out of Range High
P25BA	ECU Bobcat Engine V2	DPF Regeneration Inhibit and Enable Switch Fault
P25BB	ECU Bobcat Engine V2	DPF Regeneration Enable Switch Short to Battery
P25BC	ECU Bobcat Engine V2	DPF Regeneration Inhibit Switch Short to Battery
P25E0	ECU Bobcat Engine D34	Supply Module Heater Fault
P25E1	ECU Bobcat Engine D34	Supply Module Heater Fault
P25E2	ECU Bobcat Engine D34	Supply Module Temperature Duty Low
P25E3	ECU Bobcat Engine D34	Supply Module Temperature Duty High
P260E	ECU Bobcat Engine V2	DPF Regeneration Enable Switch Lamp Open Circuit
P260F	ECU Bobcat Engine V2	DPF Regeneration Enable Switch Lamp Short to Ground
P2611	ECU Bobcat Engine V2	DPF Regeneration Enable Switch Lamp Short to Battery
P2621	ECU Bobcat Engine V1	Intake Throttle Lift Sensor - Fault
P2622	ECU Bobcat Engine V1	Intake Throttle Lift Sensor - Fault
P2632	ECU Bobcat Engine V2	Fuel Feed Pump Open Circuit
P2633	ECU Bobcat Engine V2	Fuel Feed Pump Short to Ground
P2634	ECU Bobcat Engine V2	Fuel Feed Pump Short to Battery
P2635	ECU Bobcat Engine V2	Fuel Feed Pump Fault
P263D	ECU Bobcat Engine V2	DEF Pressure Line Heating Fault
P2669	ECU Bobcat Engine V2	ECU Sensor Supply 2 Short to Ground
P2670	ECU Bobcat Engine V2	ECU Sensor Supply 2 Out of Range Low
P2670	ECU Bobcat Engine D34	DCU Fault
P2671	ECU Bobcat Engine D34	DCU Fault
P2671	ECU Bobcat Engine V2	ECU Sensor Supply 2 Out of Range High
P2684	ECU Bobcat Engine V2	ECU Sensor Supply 3 Short to Ground
P2685	ECU Bobcat Engine D34	DCU Fault
P2685	ECU Bobcat Engine V2	ECU Sensor Supply 3 Out of Range Low
P2686	ECU Bobcat Engine V2	ECU Sensor 3 Out of Range High
P2686	ECU Bobcat Engine D34	DCU Fault
P268C	ECU Bobcat Engine V2	Injector #1 IQA Code Missing
P268D	ECU Bobcat Engine V2	Injector #2 IQA Code Missing
P268E	ECU Bobcat Engine V2	Injector #3 IQA Code Missing
P268F	ECU Bobcat Engine V2	Injector #4 IQA Code Missing
P26E8	ECU Bobcat Engine D34	DCU Fault

Code	Product	Description
P26E9	ECU Bobcat Engine D34	DCU Fault
P273F	ECU Bobcat Engine V2	High Transmission Oil Temperature (CAN)
P274F	ECU Bobcat Engine V2	High Transmission Oil Temperature (H/W Switch)
P2A8C	ECU Bobcat Engine D34	DEF Pump Motor Speed Fault
P2A8D	ECU Bobcat Engine D34	DEF Pump Motor Speed Fault
P2B8C	ECU Bobcat Engine D34	DEF Pump Motor Fault
P2B8D	ECU Bobcat Engine D34	DEF Pump Motor Fault
P2BB1	ECU Bobcat Engine V1	SCR Inducement - Blocked EGR
P2BB2	ECU Bobcat Engine V1	SCR Inducement - Dosing Interrupted
P2BB4	ECU Bobcat Engine V1	SCR Inducement - DEF Quality
P2BB5	ECU Bobcat Engine V1	SCR Inducement - Tampering
P2BB6	ECU Bobcat Engine V1	SCR Inducement - Repeat Offense
P2BC1	ECU Bobcat Engine V1	DEF Level - Low
P2BC2	ECU Bobcat Engine V1	DEF Level - Very Low
P2BC3	ECU Bobcat Engine V1	DEF Level - Extremely Low
P2BC4	ECU Bobcat Engine V1	Unknown SCR fault
P2BC4	ECU Bobcat Engine V1	DEF Level - Empty
P2BD0	ECU Bobcat Engine V1	DCU CAN Communication Fault
P2C11	ECU Bobcat Engine V2	DEF Dosing Valve Fault
P3002	ECU Bobcat Engine V1	Exhaust Temperature - Extremely High
P3003	ECU Bobcat Engine V1	Exhaust Temperature - Extremely High
P3004	ECU Bobcat Engine V1	Exhaust Temperature - Extremely High
P3006	ECU Bobcat Engine V1	Particulate Matter - Warning
P3007	ECU Bobcat Engine V1	Particulate Matter - High
P3008	ECU Bobcat Engine V1	Particulate Matter - Extremely High
P3011	ECU Bobcat Engine V1	Boost Pressure - Fault
P3012	ECU Bobcat Engine V1	Low Water Temperature in Parked Regeneration
P3013	ECU Bobcat Engine V1	Parked Regeneration - Time Out
P3018	ECU Bobcat Engine V1	Exhaust Temperature Sensor - Fault
P3019	ECU Bobcat Engine V1	Pump Calibration - Error
P3023	ECU Bobcat Engine V1	Exhaust Gas Temperature Sensor - Fault
P3024	ECU Bobcat Engine V1	DPF Fault
P3025	ECU Bobcat Engine V1	Water Temp Sensor Fault
P304C	ECU Bobcat Engine V2	Low DEF Supply Pump Pressure
P304D	ECU Bobcat Engine V2	High DEF Supply Pump Pressure
P3052	ECU Bobcat Engine V2	DPF Differential Pressure Sensor Fault
P30B1	ECU Bobcat Engine V2	High DEF Tank Heating/Coolant Valve Fault
P30B9	ECU Bobcat Engine V2	High DEF Supply Module Heater Relay Fault
P30BD	ECU Bobcat Engine V2	High DEF Pressure Line Heater Relay Fault
P30C1	ECU Bobcat Engine V2	High DEF Backflow Line Heater Relay Fault
P30C5	ECU Bobcat Engine V2	High DEF Suction Line Heater Relay Fault
P31C5	ECU Bobcat Engine V2	High DEF Main Heater Relay Fault
P32EE	ECU Bobcat Engine V2	Injector #1 Short Circuit
P32EF	ECU Bobcat Engine V2	Injector #2 Short Circuit
P32F0	ECU Bobcat Engine V2	Injector #3 Short Circuit
P32F1	ECU Bobcat Engine V2	Injector #4 Short Circuit
P350D	ECU Bobcat Engine V2	Oil Level/Temp Sensor Communication Fault
P350E	ECU Bobcat Engine V2	Oil Level/Temp Sensor Fault
P350F	ECU Bobcat Engine V2	Low Engine Oil Level
P360E	ECU Bobcat Engine V2	DPF Regeneration Active Lamp Open Circuit
P360F	ECU Bobcat Engine V2	DPF Regeneration Active Lamp Short to Ground
P3611	ECU Bobcat Engine V2	DPF Regeneration Active Lamp Short to Battery

Code	Product	Description
R3327	M-Series Excavator	Display CAN Error
R3327	M-Series Loader	IQ Touch CAN Error
R3334	M-Series Loader	IQ Touch CAN RX Error
R3334	M-Series Excavator	Display CAN Error
R3335	M-Series Excavator	Display CAN Error
R3335	M-Series Loader	IQ Touch CAN TX Error
R3904	M-Series Excavator	Jog Shuttle No Communication
R4304	M-Series Excavator	Keyless Start Panel No Communication
R7404	M-Series Excavator	Main Controller No Communication
R7423	M-Series Excavator	Display Not Programmed
R7492	M-Series Excavator	Main Controller Authentication Failed
R9604	M-Series Excavator	Radio No Communication
U0028	ECU Bobcat Engine V2	ECU CAN Communication Fault
U0029	ECU Bobcat Engine V2	ECU CAN Communication Fault
U0075	ECU Bobcat Engine V1	ECU Communication Error
U0076	ECU Bobcat Engine V1	EGR Fault
U0077	ECU Bobcat Engine V1	ECU COMMUNICATION FAULT
U0081	ECU Bobcat Engine V1	ECU Communication Error
U0082	ECU Bobcat Engine V1	ECU Communication - Fault
U0083	ECU Bobcat Engine V1	ECU Communication - Fault
U0084	ECU Bobcat Engine V1	ECU COMMUNICATION FAULT
U0085	ECU Bobcat Engine V1	ECU Communication - Fault
U0086	ECU Bobcat Engine V1	ECU Communication - Fault
U0087	ECU Bobcat Engine V1	ECU COMMUNICATION FAULT
U0089	ECU Bobcat Engine V1	ECU COMMUNICATION FAULT
U0100	ECU Bobcat Engine V1	ECU Communication Fault
U010E	ECU Bobcat Engine D34	DCU Communication Fault
U010F	ECU Bobcat Engine V2	ECU CAN Communication Fault
U013C	ECU Bobcat Engine V2	ECU CAN Communication Fault - Engine Speed
U0140	ECU Bobcat Engine V1	Throttle Position Sensor Fault
U01B7	ECU Bobcat Engine V2	ECU CAN Communication Fault - Regeneration Switch
U01B8	ECU Bobcat Engine V2	ECU CAN Communication Fault - Multiple Torque Switch
U01B9	ECU Bobcat Engine V2	ECU CAN Communication Fault - Engine Shut Down
U029D	ECU Bobcat Engine V2	ECU CAN Communication Fault - Upstream NOx Sensor
U029E	ECU Bobcat Engine V2	ECU CAN Communication Fault - Downstream NOx Sensor
U02A2	ECU Bobcat Engine V2	ECU CAN Communication Fault - DEF Tank
U030D	ECU Bobcat Engine V2	Upstream NOx Sensor Heating Fault
U030E	ECU Bobcat Engine V2	Downstream NOx Sensor Heating Fault
U0401	ECU Bobcat Engine D34	DCU Communication Fault
U040F	ECU Bobcat Engine D34	DEF Pump Motor Fault
U043D	ECU Bobcat Engine V2	ECU CAN Communication Fault - Engine Speed Control
U0606	ECU Bobcat Engine V2	ECU CAN Communication Fault - Engine Speed Control
U0607	ECU Bobcat Engine V2	ECU CAN Communication Fault
U0608	ECU Bobcat Engine V2	ECU CAN Communication Fault - Engine Speed Control
U0619	ECU Bobcat Engine V2	ECU CAN Communication Fault - DEF Sensor
U0632	ECU Bobcat Engine V2	ECU CAN Communication Fault - Cooling Fan Control
U1001	ECU Bobcat Engine V2	CAN Communication Fault - Hydraulic Oil Temperature
U1003	ECU Bobcat Engine V2	ECU Received Engine Shutdown Request from Machine Controller
U100A-08	M-Series Loader	Machine Control Message Failure
U1010-08	Compact Wheel Loader	PTOL Keypad No Communication
U1011-08	M-Series Loader	Options Keypad No Communication
U1012-08	Compact Wheel Loader	Cab Keypad No Communication

Code	Product	Description
U1013-08	Compact Wheel Loader	Accessory (ACD) Keypad No Communication
U1015-62	Toolcat	Throttle Encoder - Signal Compare Failure
U1015-62	M-Series Loader	Throttle Encoder Signal Failure
U101A-08	Toolcat	Keypad Throttle - Bus Signal / Message Failure
U101B-08	Toolcat	Keypad Lights - Bus Signal / Message Failure
U101C-08	Toolcat	Keypad Performance - Bus Signal / Message Failure
U1024	ECU Bobcat Engine D34	Nox Pre-Treatment CAN communication Fault
U1025	ECU Bobcat Engine D34	Nox Pre-Treatment CAN communication Fault
U1026	ECU Bobcat Engine D34	Nox Pre-Treatment CAN communication Fault
U1027	ECU Bobcat Engine D34	Nox Pre-Treatment CAN communication Fault
U1028	ECU Bobcat Engine D34	Nox Pre-Treatment CAN communication Fault
U1028	ECU Bobcat Engine V2	DEF Quality Sensor Open Circuit
U1029	ECU Bobcat Engine D34	Nox Pre-Treatment CAN communication Fault
U102A	ECU Bobcat Engine D34	Nox Pre-Treatment CAN communication Fault
U102B	ECU Bobcat Engine D34	Nox Post-Treatment CAN communication Fault
U102C	ECU Bobcat Engine D34	Nox Post-Treatment CAN communication Fault
U102D	ECU Bobcat Engine D34	Nox Post-Treatment CAN communication Fault
U102E	ECU Bobcat Engine D34	Nox Post-Treatment CAN communication Fault
U102F	ECU Bobcat Engine D34	Nox Post-Treatment CAN communication Fault
U1030	ECU Bobcat Engine D34	Nox Post-Treatment CAN communication Fault
U1030	ECU Bobcat Engine V2	DEF Quality Sensor Short Circuit
U1031	ECU Bobcat Engine V2	ECU CAN Communication Fault
U1031	ECU Bobcat Engine D34	Nox Post-Treatment CAN communication Fault
U1032	ECU Bobcat Engine V2	ECU CAN Communication Fault - PTO
U1033	ECU Bobcat Engine V2	ECU CAN Communication Fault - Starter Relay
U1040-00	Compact Wheel Loader	Hour Meter Changed
U1040-00	Toolcat	Hour Meter Updated
U1050-00	Compact Wheel Loader	Power Failure
U1050-00	Toolcat	Hub Controller Interrupted Power Failure
U1051-00	M-Series Loader	Cab Controller Interrupted Power Failure
U1052-00	M-Series Loader	Power Failure
U1053-00	Compact Wheel Loader	Drive Controller Interrupted Power
U1054-00	Compact Wheel Loader	Interrupted Power Failure
U1055-00	M-Series Loader	Aux Controller Interrupted Power Failure
U1056-00	M-Series Loader	Rear Auxiliary Controller Interrupted Power Failure
U105A-00	Toolcat	Pump Controller Interrupted Power Failure
U105B-00	Toolcat	Rear Cab Controller Interrupted Power Failure
U1060-46	M-Series Loader	Workgroup Calibration Failed
U1060-87	M-Series Loader	Workgroup Calibration Required
U1061-00	M-Series Loader	Workgroup Calibration Passed
U1065-00	M-Series Loader	Drive Calibration Passed
U1070-00	Compact Wheel Loader	Hub Controller Software Updated
U1071-00	M-Series Loader	Cab Controller Software Updated
U1073-00	Compact Wheel Loader	Drive Controller Programmed
U1074-00	Compact Wheel Loader	Workgroup Controller Software Updated
U1075-00	M-Series Loader	Lights Controller Interrupted Power Failure
U107A-00	Toolcat	Pump Controller Software Updated
U107B-00	Toolcat	Rear Controller Software Updated
U1080-00	M-Series Loader	Drive Controller In Calibration Mode
U1084-00	M-Series Loader	Workgroup In Calibration Mode
U1090-51	Toolcat	Hub Controller - Not Programmed
U1090-51	Compact Wheel Loader	Hub Controller Not Programmed

Code	Product	Description
U1090-57	Compact Wheel Loader	Hub Controller Software Version Error
U1090-57	Toolcat	Hub Controller - Invalid / Incompatible Software Component
U1091-08	Toolcat	Display - Bus Signal / Message Failure
U1091-08	Compact Wheel Loader	Display No Communication
U1091-51	Toolcat	Display - Not Programmed
U1091-51	Compact Wheel Loader	Display Not Programmed
U1091-FD	Compact Wheel Loader	Display Shutdown
U1091-FD	Toolcat	Display - In Shutdown
U1092-08	M-Series Loader	Cab Controller No Communication
U1092-08	Toolcat	Cab Controller - Bus Signal / Message Failure
U1092-51	M-Series Loader	Cab Controller Not Programmed
U1092-51	Toolcat	Cab Controller - Not Programmed
U1092-57	M-Series Loader	Cab Controller Software Version Error
U1092-57	Toolcat	Cab Controller - Invalid / Incompatible Software Component
U1092-A2	M-Series Loader	Cab Controller System Voltage Low
U1092-A2	Toolcat	Cab Controller - System Voltage Low
U1092-A3	M-Series Loader	Cab Controller System Voltage High
U1092-A3	Toolcat	Cab Controller - System Voltage High
U1093-08	M-Series Loader	Mid Controller No Communication
U1093-51	M-Series Loader	Mid Controller Not Calibrated
U1093-57	M-Series Loader	Mid Controller Software Version Error
U1093-A2	M-Series Loader	Battery Voltage Low
U1093-A3	M-Series Loader	Battery Voltage High
U1094-08	Compact Wheel Loader	Drive Controller No Communication
U1094-51	Compact Wheel Loader	Drive Controller Not Programmed
U1094-57	Compact Wheel Loader	Drive Controller Software Update Required
U1094-A2	Compact Wheel Loader	Drive Controller Voltage Out of Range Low
U1094-A3	Compact Wheel Loader	Drive Controller Voltage Out of Range High
U1095-08	Compact Wheel Loader	Workgroup Controller No Communication
U1095-51	Compact Wheel Loader	Workgroup Controller Not Programmed
U1095-57	Compact Wheel Loader	Workgroup Controller Software Version Error
U1095-A2	Compact Wheel Loader	Workgroup Controller System Voltage Low
U1095-A3	Compact Wheel Loader	Workgroup Controller System Voltage High
U1096-08	Toolcat	ECU - Bus Signal / Message Failure
U1096-08	Compact Wheel Loader	ECU No Communication
U1096-56	Toolcat	ECU - Invalid / Incompatible Configuration
U1096-56	Compact Wheel Loader	ECU Failure
U1097-08	M-Series Loader	Aux Controller Bus Signal / Message Failure
U1097-51	M-Series Loader	Aux Controller Not Programmed
U1097-A2	M-Series Loader	Aux Controller System Voltage Low
U1097-A3	M-Series Loader	Aux Controller System Voltage High
U1098-08	M-Series Loader	Rear Auxiliary Controller Communication Error
U1098-51	M-Series Loader	Rear Auxiliary Controller Not Programmed
U1098-57	M-Series Loader	Rear Auxiliary Controller Software Version Error
U1098-A2	M-Series Loader	Rear Auxiliary Controller System Voltage Low
U1098-A3	M-Series Loader	Rear Auxiliary Controller System Voltage High
U1099-51	Small Articulated Loader	Main Controller Not Programmed
U109A-08	Toolcat	Pump Controller - Bus Signal / Message Failure
U109A-51	Toolcat	Pump Controller - Not Programmed
U109A-57	Toolcat	Pump Controller - Invalid / Incompatible Software Component
U109A-A2	Toolcat	Pump Controller - System Voltage Low
U109A-A3	Toolcat	Pump Controller - System Voltage High

Code	Product	Description
U109B-08	Toolcat	Rear Controller - Bus Signal / Message Failure
U109B-51	Toolcat	Rear Controller - Not Programmed
U109B-57	Toolcat	Rear Controller - Invalid / Incompatible Software Component
U109B-A2	Toolcat	Rear Controller - System Voltage Low
U109B-A3	Toolcat	Rear Controller - System Voltage High
U109C-08	M-Series Loader	Lights Controller Communication Error
U109C-51	M-Series Loader	Lights Controller Not Programmed
U109C-57	M-Series Loader	Lights Controller Software Incompatible
U109C-A2	M-Series Loader	Lights Controller Voltage Low
U109C-A3	M-Series Loader	Lights Controller Voltage High
U10A0-08	M-Series Loader	Drive Motor Case Drain Hydraulic Oil Temperature Sensor No Communication
U10A5-08	M-Series Loader	Pump Case Drain Hydraulic Oil Temperature Sensor No Communication
U10B0-08	M-Series Loader	Left Joystick Base Message Failure
U10B0-49	M-Series Loader	Left Joystick Base Failure
U10B1-08	M-Series Loader	Left Joystick Grip Message Failure
U10B1-49	M-Series Loader	Left Joystick Grip Failure
U10B2-49	M-Series Loader	Left Joystick Failure
U10B3-00	M-Series Loader	Left Joystick Multiple
U10C0-08	Compact Wheel Loader	Right Joystick Base Message Failure
U10C0-49	M-Series Loader	Right Joystick Base Failure
U10C1-08	M-Series Loader	Right Joystick Grip Message Failure
U10C1-49	M-Series Loader	Right Joystick Grip Failure
U10C2-49	M-Series Loader	Right Joystick Failure
U10C3-00	M-Series Loader	Right Joystick Multiple
U10D0-08	M-Series Loader	Remote Control No Communication
U10D0-08	Toolcat	Remote Control - No Operation
U10D0-57	Toolcat	Remote Control - Invalid / Incompatible Software Component
U10D0-93	M-Series Loader	Remote Control Loss Communication
U10D0-93	Toolcat	Remote Control - No Operation
U10D0-95	Small Articulated Loader	Remote Control Fault
U1110-08	M-Series Loader	Bob-Tach Angle Sensor No Communication
U1111-08	M-Series Loader	Bucket Angle Sensor No Communication
U1112-08	M-Series Loader	Lift Arm Angle No Communication
U1113-08	M-Series Loader	Frame Angle Sensor No Communication
U111A	ECU Bobcat Engine D34	CAN Communications Fault
U1164	ECU Bobcat Engine D34	CAN Communications Fault
U116D	ECU Bobcat Engine D34	CAN Communications Fault
U1180-00	Toolcat	Display Controller not receiving CAN from CAN Bus
U1180-00	Compact Wheel Loader	Display Controller Communication Error
U1181-00	Toolcat	Display Controller cannot transmit CAN to CAN Bus
U1181-00	Compact Wheel Loader	Display Controller Communication Error
U1182-00	Compact Wheel Loader	Display Controller Communication Error
U1182-00	Toolcat	Display CAN Error
U1183-00	Compact Wheel Loader	Main Controller No Communication
U1183-00	Toolcat	Display Controller no communication to Main Controller
U1184-00	Compact Wheel Loader	Jog Shuttle No Communication
U1184-00	Toolcat	Display Controller no communication to Jog Shuttle
U1185-00	M-Series Loader	Radio No Communication
U1216	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
U1219	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
U121A	ECU Bobcat Engine D34	CAN Communications Fault

Code	Product	Description
U1223	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
U1224	ECU Bobcat Engine D34	NOx Pre-treatment Sensor Fault
U1225	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
U1226	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
U1227	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
U1229	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
U1233	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
U1235	ECU Bobcat Engine D34	NOx Post-treatment Sensor Fault
U1444	ECU Bobcat Engine D34	CAN Communications Fault
U1661	ECU Bobcat Engine D34	CAN Communications Fault
U1923	ECU Bobcat Engine D34	CAN Communications Fault
VAL001-03	E145 & E165 Excavator	ALTERNATOR POTENTIAL, Voltage above normal
VAL001-04	E145 & E165 Excavator	ALTERNATOR POTENTIAL, Voltage below normal
VAL002-05	E145 & E165 Excavator	ACCEL. PEDAL SWITCH, Current below normal
VAL002-06	E145 & E165 Excavator	ACCEL. PEDAL SWITCH, Current above normal
VCO001-11	E145 & E165 Excavator	GAUGE PANEL ERROR
VCO002-11	E145 & E165 Excavator	E-ECU ERROR
VPV001-05	E145 & E165 Excavator	PUMP P/V (A), Current below normal
VPV001-06	E145 & E165 Excavator	PUMP P/V (A), Current above normal
VPV002-05	E145 & E165 Excavator	PUMP P/V (B), Current below normal
VPV002-06	E145 & E165 Excavator	PUMP P/V (B), Current above normal
VPV003-05	E145 & E165 Excavator	FLOW CONTROL P/V (G), Current below normal
VPV003-06	E145 & E165 Excavator	FLOW CONTROL P/V (G), Current above normal
VPV004-05	E145 & E165 Excavator	FAN CONTROL P/V (J), Current below normal
VPV004-06	E145 & E165 Excavator	FAN CONTROL P/V (J), Current above normal
VPV005-05	E145 & E165 Excavator	PRESS. CONTROL 1 P/V (H), Current below normal
VPV005-06	E145 & E165 Excavator	PRESS. CONTROL 1 P/V (H), Current above normal
VPV006-05	E145 & E165 Excavator	PRESS. CONTROL 2 P/V (I), Current below normal
VPV006-06	E145 & E165 Excavator	PRESS. CONTROL 2 P/V (I), Current above normal
VPV007-05	E145 & E165 Excavator	FLOW CONTROL P/V (C) 2-WAY RH-OPEN, Current below normal
VPV007-06	E145 & E165 Excavator	FLOW CONTROL P/V (C) 2-WAY RH-OPEN, Current above normal
VPV008-05	E145 & E165 Excavator	FLOW CONTROL P/V (D) 2-WAY RH-CLOSE, Current below normal
VPV008-06	E145 & E165 Excavator	FLOW CONTROL P/V (D) 2-WAY RH-CLOSE, Current above normal
VPV009-05	E145 & E165 Excavator	FLOW CONTROL P/V (E) ROTATING CW, Current below normal
VPV009-06	E145 & E165 Excavator	FLOW CONTROL P/V (E) ROTATING CW, Current above normal
VPV010-05	E145 & E165 Excavator	FLOW CONTROL P/V (F) ROTATING CCW, Current below normal
VPV010-06	E145 & E165 Excavator	FLOW CONTROL P/V (F) ROTATING CCW, Current above normal
VPV011-05	E145 & E165 Excavator	TRAVEL, Current below normal
VPV011-06	E145 & E165 Excavator	TRAVEL, Current above normal
VPV012-05	E145 & E165 Excavator	TRAVEL STRAIGHT P/V (L), Current below normal
VPV012-06	E145 & E165 Excavator	TRAVEL STRAIGHT P/V (L), Current above normal
VRLOWVLTG	M-Series Loader	Very Low Battery Voltage
VRY001-05	E145 & E165 Excavator	GLOW PLUG RELAY, Current below normal
VRY001-06	E145 & E165 Excavator	GLOW PLUG RELAY, Current above normal
VRY002-05	E145 & E165 Excavator	BACK BUZZER RELAY, Current below normal
VRY002-06	E145 & E165 Excavator	BACK BUZZER RELAY, Current above normal
VRY003-05	E145 & E165 Excavator	BACKUP LAMP RELAY, Current below normal
VRY003-06	E145 & E165 Excavator	BACKUP LAMP RELAY, Current above normal
VRY004-05	E145 & E165 Excavator	INCHING RELAY, Current below normal
VRY004-06	E145 & E165 Excavator	INCHING RELAY, Current above normal
VRY005-05	E145 & E165 Excavator	LOW SPEED RELAY, Current below normal
VRY005-06	E145 & E165 Excavator	LOW SPEED RELAY, Current above normal

Code	Product	Description
VRY006-05	E145 & E165 Excavator	HIGH SPEED RELAY, Current below normal
VRY006-06	E145 & E165 Excavator	HIGH SPEED RELAY, Current above normal
VRY007-05	E145 & E165 Excavator	STARTER RELAY, Current below normal
VRY007-06	E145 & E165 Excavator	STARTER RELAY, Current above normal
VRY008-05	E145 & E165 Excavator	GLOW PLUG II RELAY, Current below normal
VRY008-06	E145 & E165 Excavator	GLOW PLUG II RELAY, Current above normal
VS5001-03	E145 & E165 Excavator	THUMB WHEEL (RH), Voltage above normal
VS5001-04	E145 & E165 Excavator	THUMB WHEEL (RH), Voltage below normal
VS5002-03	E145 & E165 Excavator	THUMB WHEEL (LH), Voltage above normal
VS5002-04	E145 & E165 Excavator	THUMB WHEEL (LH), Voltage below normal
VS5003-03	E145 & E165 Excavator	ACCEL PEDAL SENSOR, Voltage above normal
VS5003-04	E145 & E165 Excavator	ACCEL PEDAL SENSOR, Voltage below normal
VS5004-03	E145 & E165 Excavator	PARKING BRAKE PRESS. SENSOR, Voltage above normal
VS5004-04	E145 & E165 Excavator	PARKING BRAKE PRESS. SENSOR, Voltage below normal
VS5005-03	E145 & E165 Excavator	DIAL, Voltage above normal
VS5005-04	E145 & E165 Excavator	DIAL, Voltage below normal
VSE001-00	E145 & E165 Excavator	OIL TEMP. SENSOR, Signal above normal range
VSE001-03	E145 & E165 Excavator	OIL TEMP. SENSOR, Voltage above normal
VSE001-04	E145 & E165 Excavator	OIL TEMP. SENSOR, Voltage below normal
VSE002-03	E145 & E165 Excavator	FUEL SENSOR, Voltage above normal
VSE002-04	E145 & E165 Excavator	FUEL SENSOR, Voltage below normal
VSE003-03	E145 & E165 Excavator	VEHICLE SPEED SENSOR, Voltage above normal
VSE003-04	E145 & E165 Excavator	VEHICLE SPEED SENSOR, Voltage below normal
VSE004-01	E145 & E165 Excavator	WIF SENSOR, Signal below normal range
VSE004-03	E145 & E165 Excavator	WIF SENSOR, Voltage above normal
VSE004-04	E145 & E165 Excavator	WIF SENSOR, Voltage below normal
VSE005-03	E145 & E165 Excavator	SPARE SPEED, Voltage above normal
VSE005-04	E145 & E165 Excavator	SPARE SPEED, Voltage below normal
VSE006-03	E145 & E165 Excavator	SPARE, Voltage above normal
VSE006-04	E145 & E165 Excavator	SPARE, Voltage below normal
VSE007-03	E145 & E165 Excavator	ANGLE SENSOR (A), Voltage above normal
VSE007-04	E145 & E165 Excavator	ANGLE SENSOR (A), Voltage below normal
VSE008-03	E145 & E165 Excavator	ANGLE SENSOR (B), Voltage above normal
VSE008-04	E145 & E165 Excavator	ANGLE SENSOR (B), Voltage below normal
VSP001-02	E145 & E165 Excavator	FRONT PUMP PRESS. SENSOR, Incorrect signal
VSP001-03	E145 & E165 Excavator	FRONT PUMP PRESS. SENSOR, Voltage above normal
VSP001-04	E145 & E165 Excavator	FRONT PUMP PRESS. SENSOR, Voltage below normal
VSP002-02	E145 & E165 Excavator	REAR PUMP PRESS. SENSOR, Incorrect signal
VSP002-03	E145 & E165 Excavator	REAR PUMP PRESS. SENSOR, Voltage above normal
VSP002-04	E145 & E165 Excavator	REAR PUMP PRESS. SENSOR, Voltage below normal
VSP003-02	E145 & E165 Excavator	OWD PRESS. SENSOR, Incorrect signal
VSP003-03	E145 & E165 Excavator	OWD PRESS. SENSOR, Voltage above normal
VSP003-04	E145 & E165 Excavator	OWD PRESS. SENSOR, Voltage below normal
VSP004-03	E145 & E165 Excavator	Px(FRONT) PRESS. SENSOR, Voltage above normal
VSP004-04	E145 & E165 Excavator	Px(FRONT) PRESS. SENSOR, Voltage below normal
VSP005-03	E145 & E165 Excavator	Pressure Sensor Issue
VSP005-04	E145 & E165 Excavator	Py(TRAVEL) PRESS. SENSOR, Voltage below normal
VSP006-03	E145 & E165 Excavator	BOOM UP PRESS. SENSOR, Voltage above normal
VSP006-04	E145 & E165 Excavator	BOOM UP PRESS. SENSOR, Voltage below normal
VSP007-03	E145 & E165 Excavator	BUCKET CROWD PRESS. SENSOR, Voltage above normal
VSP007-04	E145 & E165 Excavator	BUCKET CROWD PRESS. SENSOR, Voltage below normal
VSP008-03	E145 & E165 Excavator	BOOM DOWN PRESS. SENSOR, Voltage above normal

Code	Product	Description
VSP008-04	E145 & E165 Excavator	BOOM DOWN PRESS. SENSOR, Voltage below normal
VSP009-03	E145 & E165 Excavator	BUCKET DUMP PRESS. SENSOR, Voltage above normal
VSP009-04	E145 & E165 Excavator	BUCKET DUMP PRESS. SENSOR, Voltage below normal
VSP010-03	E145 & E165 Excavator	ARM IN PRESS. SENSOR, Voltage above normal
VSP010-04	E145 & E165 Excavator	ARM IN PRESS. SENSOR, Voltage below normal
VSP011-03	E145 & E165 Excavator	ARM OUT PRESS. SENSOR, Voltage above normal
VSP011-04	E145 & E165 Excavator	ARM OUT PRESS. SENSOR, Voltage below normal
VSP012-03	E145 & E165 Excavator	TRAVEL PRESS. SENSOR(LH), Voltage above normal
VSP012-04	E145 & E165 Excavator	TRAVEL PRESS. SENSOR(LH), Voltage below normal
VSP013-03	E145 & E165 Excavator	TRAVEL PRESS. SENSOR(RH), Voltage above normal
VSP013-04	E145 & E165 Excavator	TRAVEL PRESS. SENSOR(RH), Voltage below normal
VSP014-03	E145 & E165 Excavator	SWING PRESS. SENSOR, Voltage above normal
VSP014-04	E145 & E165 Excavator	SWING PRESS. SENSOR, Voltage below normal
VSP015-03	E145 & E165 Excavator	ATT(OPTION) PRESS. SENSOR, Voltage above normal
VSP015-04	E145 & E165 Excavator	ATT(OPTION) PRESS. SENSOR, Voltage below normal
VSP016-03	E145 & E165 Excavator	ATTACHMENT 2 PRESS. SENSOR, Voltage above normal
VSP016-04	E145 & E165 Excavator	ATTACHMENT 2 PRESS. SENSOR, Voltage below normal
VSP017-03	E145 & E165 Excavator	OPTION PEDAL 1 PRESS. SENSOR, Voltage above normal
VSP017-04	E145 & E165 Excavator	OPTION PEDAL 1 PRESS. SENSOR, Voltage below normal
VSP018-03	E145 & E165 Excavator	OPTION PEDAL 2 PRESS. SENSOR, Voltage above normal
VSP018-04	E145 & E165 Excavator	OPTION PEDAL 2 PRESS. SENSOR, Voltage below normal
VSV001-05	E145 & E165 Excavator	BREAKER OPERATING S/V, Current below normal
VSV001-06	E145 & E165 Excavator	BREAKER OPERATING S/V, Current above normal
VSV002-05	E145 & E165 Excavator	RELIEF PRESS. UP S/V (B), Current below normal
VSV002-06	E145 & E165 Excavator	RELIEF PRESS. UP S/V (B), Current above normal
VSV003-05	E145 & E165 Excavator	HIGH SPEED S/V (C), Current below normal
VSV003-06	E145 & E165 Excavator	HIGH SPEED S/V (C), Current above normal
VSV004-05	E145 & E165 Excavator	REVERSE FAN S/V (D), Current below normal
VSV004-06	E145 & E165 Excavator	REVERSE FAN S/V (D), Current above normal
VSV005-05	E145 & E165 Excavator	TRAVEL II PUMP CONFLUENCE S/V, Current below normal
VSV005-06	E145 & E165 Excavator	TRAVEL II PUMP CONFLUENCE S/V, Current above normal
VSV006-05	E145 & E165 Excavator	SWING BRAKE RELEASE S/V (K), Current below normal
VSV006-06	E145 & E165 Excavator	SWING BRAKE RELEASE S/V (K), Current above normal
VSV007-05	E145 & E165 Excavator	OPTION SAFETY S/V, Current below normal
VSV007-06	E145 & E165 Excavator	OPTION SAFETY S/V, Current above normal
VSV008-05	E145 & E165 Excavator	CRUISE S/V (F), Current below normal
VSV008-06	E145 & E165 Excavator	CRUISE S/V (F), Current above normal
VSV009-05	E145 & E165 Excavator	FORWARD S/V (G), Current below normal
VSV009-06	E145 & E165 Excavator	FORWARD S/V (G), Current above normal
VSV010-05	E145 & E165 Excavator	REVERSE S/V (H), Current below normal
VSV010-06	E145 & E165 Excavator	REVERSE S/V (H), Current above normal
VSV011-05	E145 & E165 Excavator	2 Pump SELECT S/V (I), Current below normal
VSV011-06	E145 & E165 Excavator	2 Pump SELECT S/V (I), Current above normal
VSV012-05	E145 & E165 Excavator	BYPASS CUT OFF S/V (J), Current below normal
VSV012-06	E145 & E165 Excavator	BYPASS CUT OFF S/V (J), Current above normal
W0176	M-Series Loader	Input Selection Flipped While Operating
W0321	M-Series Loader	Battery Voltage Out of Range High
W0321	Telehandler	Battery Voltage OOR High
W0322	Telehandler	Battery Voltage OOR Low
W0322	M-Series Loader	Battery Voltage Out of Range Low
W0521	M-Series Loader	Lift Spool Position Sensor Out of Range High
W0522	M-Series Loader	Lift Spool Position Sensor Out of Range Low

Code	Product	Description
W0524	M-Series Loader	Lift Spool Position Sensor Not in Neutral
W0525	M-Series Loader	Lift Spool Position Sensor Unresponsive
W0595	M-Series Loader	Lift Spool Position Sensor Inverted Movement
W0621	M-Series Loader	Tilt Spool Position Sensor Out of Range High
W0622	M-Series Loader	Tilt Spool Position Sensor Out of Range Low
W0624	M-Series Loader	Tilt Spool Position Sensor Not in Neutral
W0625	M-Series Loader	Tilt Spool Position Sensor Unresponsive
W0695	M-Series Loader	Tilt Spool Position Sensor Inverted Movement
W0721	Telehandler	Hydraulic Oil Temperature OOR High
W0722	Telehandler	Hydraulic Oil Temperature OOR Low
W1005	M-Series Loader	Lift Base Solenoid Short to Battery
W1005	Telehandler	PVG32 Lift Up/Down valve Short to Battery
W1006	Telehandler	PVG32 Lift Up/Down Valve Short to Ground
W1006	M-Series Loader	Lift Base Solenoid Short to Ground
W1007	Telehandler	PVG32 Lift Up/Down Valve Open circuit
W1007	M-Series Loader	Lift Base Solenoid Open Circuit
W1028	Telehandler	PVG32 Lift Up/Down Valve in error. From mainvalve diagnostic
W1032	M-Series Loader	Lift Base Solenoid Overcurrent
W1105	Telehandler	PVG32 Tilt Valve Short to Battery
W1105	M-Series Loader	Lift Rod Solenoid Short to Battery
W1106	M-Series Loader	Lift Rod Solenoid Short to Ground
W1106	Telehandler	PVG32 Tilt Valve Short to Ground
W1107	M-Series Loader	Lift Rod Solenoid Open Circuit
W1107	Telehandler	PVG32 Tilt Valve Open circuit
W1128	Telehandler	PVG32 Tilt Valve in error, From mainvalve diagnostic
W1132	M-Series Loader	Lift Rod Solenoid Overcurrent
W1205	M-Series Loader	Tilt Base Solenoid Short to Battery
W1205	Telehandler	PVG32 Extend/Retract Valve Short to Battery
W1206	M-Series Loader	Tilt Base Solenoid Short to Ground
W1206	Telehandler	PVG32 Extend/Retract Valve Short to Ground
W1207	M-Series Loader	Tilt Base Solenoid Open Circuit
W1207	Telehandler	PVG32 Extend/Retract Valve Open circuit
W1228	Telehandler	PVG32 Extend/Retract Valve in error From mainvalve diagnostic
W1232	M-Series Loader	Tilt Base Solenoid Overcurrent
W1305	M-Series Loader	Tilt Rod Solenoid Short to Battery
W1305	Telehandler	PVG32 Auxiliary Valve Short to Battery
W1306	Telehandler	PVG32 Auxiliary valve Short to Ground
W1306	M-Series Loader	Tilt Rod Solenoid Short to Ground
W1307	M-Series Loader	Tilt Rod Solenoid Open Circuit
W1307	Telehandler	PVG32 Auxiliary valve Open circuit
W1328	Telehandler	PVG32 Auxiliary Valve in error, From mainvalve diagnostic
W1332	M-Series Loader	Tilt Rod Solenoid Overcurrent
W1405	Telehandler	PVG32 Frame Leveling Valve Short to Battery
W1406	Telehandler	PVG32 Frame Leveling Valve Short to Ground
W1407	Telehandler	PVG32 Frame Leveling Valve Open circuit
W1428	Telehandler	PVG32 Frame Leveling Valve in error From mainvalve diagnostic
W1505	M-Series Loader	Pedal Lock Short to Battery
W1506	M-Series Loader	Pedal Lock Short to Ground
W1507	M-Series Loader	Pedal Lock Open Circuit
W1605	M-Series Loader	Handle Lock Short to Battery
W1606	M-Series Loader	Handle Lock Short to Ground
W1607	M-Series Loader	Handle Lock Open Circuit

Code	Product	Description
W1824	Telehandler	Frame Leveling potentiometer Out of neutral
W2021	M-Series Loader	Lift Handle Sensor Out of Range High
W2022	M-Series Loader	Lift Handle Sensor Out of Range Low
W2121	M-Series Loader	Lift Pedal Sensor Out of Range High
W2122	M-Series Loader	Lift Pedal Sensor Out of Range Low
W2205	Telehandler	Lift Up Output Short To Battery
W2206	Telehandler	Lift Up Output Short To Ground
W2207	Telehandler	Lift Up Output Open Circuit
W2221	M-Series Loader	Tilt Handle Sensor Out of Range High
W2222	M-Series Loader	Tilt Handle Sensor Out of Range Low
W2232	Telehandler	Lift Up Output Overcurrent
W2299	Telehandler	Lift Up Solenoid Calibration Required
W2299	Telehandler	Lift Up Coil Calibration required
W2305	Telehandler	Lift Down Output Short To Battery
W2306	Telehandler	Lift Down Output Short To Ground
W2307	Telehandler	Lift Down Output Open Circuit
W2321	M-Series Loader	Tilt Pedal Sensor Out of Range High
W2322	M-Series Loader	Tilt Pedal Sensor Out of Range Low
W2332	Telehandler	Lift Down Output Overcurrent
W2399	Telehandler	Lift Down Coil Calibration required
W2399	Telehandler	Lift Down Solenoid Calibration Required
W2405	Telehandler	Tilt Out Output Short To Battery
W2406	Telehandler	Tilt Out Output Short To Ground
W2407	Telehandler	Tilt Out Output Open Circuit
W2432	Telehandler	Tilt Out Output Overcurrent
W2505	Telehandler	Tilt Back Output Short To Battery
W2506	Telehandler	Tilt Back Output Short To Ground
W2507	Telehandler	Tilt Back Output Open Circuit
W2532	Telehandler	Tilt Back Output Overcurrent
W2605	Telehandler	Extend Output Short To Battery
W2606	Telehandler	Extend Output Short To Ground
W2607	Telehandler	Extend Output Open Circuit
W2632	Telehandler	Extend Output Overcurrent
W2705	Telehandler	Retract Output Short To Battery
W2706	Telehandler	Retract Output Short To Ground
W2707	Telehandler	Retract Output Open Circuit
W2732	Telehandler	Retract Output Overcurrent
W2824	M-Series Loader	Lift Input Not in Neutral
W2924	M-Series Loader	Tilt Input Not in Neutral
W3128	M-Series Loader	Interrupted Power Failure
W3223	M-Series Loader	ACS Calibration required
W3223	Telehandler	Programming or constant data invalid
W3224	M-Series Loader	ACS Calibration Performed
W3225	M-Series Loader	ACS (AHC) Calibration Failed
W3228	Telehandler	Controller failure
W3231	M-Series Loader	ACS/AHC Tilt actuator fault
W3232	M-Series Loader	AHC Tilt actuator wiring fault
W3233	M-Series Loader	AHC Tilt handle wiring fault
W3234	M-Series Loader	ACS/AHC Tilt actuator not in neutral
W3235	M-Series Loader	ACS/AHC Tilt handle not in neutral
W3236	M-Series Loader	ACS/AHC Lift actuator fault
W3237	M-Series Loader	AHC Lift actuator wiring fault

Code	Product	Description
W3238	M-Series Loader	AHC Lift handle wiring fault
W3239	M-Series Loader	ACS/AHC Lift actuator not in neutral
W3240	M-Series Loader	ACS/AHC Lift handle not in neutral
W3241	M-Series Loader	AHC No communication
W3249	M-Series Loader	ACS Lift actuator short to ground
W3250	M-Series Loader	ACS Tilt actuator short to ground
W3251	M-Series Loader	ACS Lift actuator short to battery
W3252	M-Series Loader	ACS Tilt actuator short to battery
W3253	M-Series Loader	ACS Lift handle/pedal short to ground
W3254	M-Series Loader	ACS Tilt handle/pedal short to ground
W3255	M-Series Loader	ACS Lift handle/pedal short to battery
W3256	M-Series Loader	ACS Tilt handle/pedal short to battery
W3257	M-Series Loader	ACS Lift actuator reduced performance
W3258	M-Series Loader	ACS Tilt actuator reduced performance
W3259	M-Series Loader	ACS Lift actuator wrong direction
W3260	M-Series Loader	ACS Tilt actuator wrong direction
W3261	M-Series Loader	ACS Handle lock short to ground
W3262	M-Series Loader	ACS Handle lock short to battery
W3263	M-Series Loader	ACS Pedal lock short to ground
W3264	M-Series Loader	ACS Pedal lock short to battery
W3265	M-Series Loader	ACS Sensor supply voltage out of range
W3266	M-Series Loader	ACS Battery voltage out of range
W3267	M-Series Loader	ACS Switch flipped while operating
W3268	M-Series Loader	ACS Lift handle information error
W3270	M-Series Loader	ACS Right hand drive short to ground
W3271	M-Series Loader	ACS Right hand drive short to battery
W3274	M-Series Loader	ACS Left Joystick X-Axis Out of Range
W3275	M-Series Loader	ACS Interrupted unswitched power
W3276	M-Series Loader	ACS CAN Joystick Information Error
W3277	M-Series Loader	ACS Remote Control Information Error
W3295	M-Series Loader	Workgroup Calibration Passed
W3296	Telehandler	Interrupted power
W3296	M-Series Loader	Workgroup Calibration Failed
W3297	M-Series Loader	ACS (AHC) Controller Programmed
W3297	Telehandler	Controller programmed
W3298	M-Series Loader	Workgroup In Calibration Mode
W3299	M-Series Loader	Workgroup Calibration Required
W3304	M-Series Loader	Main Controller No Communication
W3304	Telehandler	Gateway controller No communication
W3404	Telehandler	Display controller No communication
W3604	Telehandler	Engine controller No communication
W3704	Telehandler	Drive controller No communication
W3804	Telehandler	LLMC No communication
W3818	Telehandler	LLMC Out of Range
W3844	Telehandler	LLMC Not matching
W3845	Telehandler	LLMC Not matching level 2
W3904	Telehandler	LLMI No communication
W3904	M-Series Loader	Left Joystick No Communication
W3905	M-Series Loader	Left Joystick X-Axis Not in Neutral
W3918	Telehandler	LLMI Out of Range
W4004	Telehandler	Joystick No communication
W4004	M-Series Loader	Right Joystick No Communication

Code	Product	Description
W4005	M-Series Loader	Right Joystick X-Axis Not in Neutral
W4005	Telehandler	Joystick X Axis Out Of Neutral (Tilt)
W4007	Telehandler	Joystick Y Axis Out Of Neutral (Lift)
W4007	M-Series Loader	Right Joystick Y-Axis Not in Neutral
W4010	Telehandler	Joystick Left roller Out Of Neutral (Extend Retract)
W4028	Telehandler	Joystick Grip Fault
W4204	Telehandler	Receiver No Communication
W4205	Telehandler	Remote Left Joystick X Axis OON
W4206	Telehandler	Remote Right Joystick X Axis OON
W4207	Telehandler	Remote Left Joystick Y Axis OON
W4208	Telehandler	Remote Right Joystick Y Axis OON
W4215	Telehandler	Remote Left Joystick X axis in error
W4216	Telehandler	Remote Right Joystick X axis in error
W4217	Telehandler	Remote Left Joystick Y axis in error
W4218	Telehandler	Remote Right Joystick Y axis in error
W4320	Telehandler	Manbasket mode : Remote control not connected to Manbasket harness (from Receiver CAN Bus signal)
W4321	Telehandler	Manbasket mode : Remote control not connected to Manbasket harness (from GACD controller status)
W4325	Telehandler	Manbasket mode : Manbasket detection in error
W4326	Telehandler	Manbasket mode : Manbasket not detected on carriage
W4327	Telehandler	Manbasket mode : Manbasket not detected on carriage with GACD on or Remote control active
W4330	Telehandler	Manbasket mode : Manbasket Retract switch in error
W4331	Telehandler	Manbasket mode : No boom extension when expected (boom retract switch ON)
W4335	Telehandler	Manbasket mode : Stabilizers in error
W4336	Telehandler	Manbasket mode : Stabilizers not on the ground
W4340	Telehandler	Manbasket mode : Boom angle in error
W4341	Telehandler	Manbasket mode : Boom lift movement when not expected
W4342	Telehandler	Manbasket mode : No Boom lift movement when expected
W4343	Telehandler	Manbasket mode : Boom angle limit exceeded
W4345	Telehandler	Manbasket mode : LLM in error
W4346	Telehandler	Manbasket mode : LLM in reduced zone
W4347	Telehandler	Manbasket mode : Longitudinal stability : Max allowed value reached.
W4350	Telehandler	Manbasket mode : Frame Leveling in error
W4351	Telehandler	Manbasket mode : Frame Leveling angle exceeded (out of the range [-2°;+2°])
W4355	Telehandler	Manbasket mode : Interlocking pin in error
W4356	Telehandler	Manbasket mode : Interlocking pin unlocked
W4360	Telehandler	Manbasket mode : Manbasket Overload in error
W4361	Telehandler	Manbasket mode : Manbasket Overload
W4362	Telehandler	Manbasket mode : Manbasket Overload in error Level 2
W4365	Telehandler	Manbasket mode : Tilt angle in error
W4366	Telehandler	Manbasket mode : Tilt angle limit exceeded (out of the range [-4° ; +4°])
W4370	Telehandler	Manbasket mode : FNR in error
W4371	Telehandler	Manbasket mode : Park brake in error
W4372	Telehandler	Manbasket mode : Swash plate position in error
W4404	Telehandler	Manbasket mode : GACD controller no communication on CAN Bus
W4621	Telehandler	Vsensor 5V supply OOR High
W4622	Telehandler	Vsensor 5V supply OOR Low
W4721	M-Series Loader	Sensor Supply Out of Range High
W4722	M-Series Loader	Sensor Supply Out of Range Low

Code	Product	Description
W4902	Telehandler	Blue lights Output Short To Battery or Open Circuit
W4903	Telehandler	Blue lights Output Short To Ground
W5004	M-Series Loader	Lift Float Failed to maintain float
W5005	Telehandler	Rear diverter 1 output Short To Battery
W5006	Telehandler	Rear diverter 1 output Short To Ground
W5007	Telehandler	Rear diverter 1 output Open Circuit
W5102	Telehandler	Rear diverter 2 output Error On
W5103	Telehandler	Rear diverter 2 output Error Off
W5107	Telehandler	Rear diverter 2 output Open Circuit
W5202	Telehandler	Rear diverter 2 output Relay Feedback Error On
W5203	Telehandler	Rear diverter 2 output Relay Feedback Error Off
W5302	Telehandler	Front / Rear diverter sensor Error On
W5303	Telehandler	Front / Rear diverter sensor Error Off
W5402	Telehandler	Boom Worklights Output Short To Battery or Open Circuit
W5403	Telehandler	Boom Worklights Output Short To Ground
W5502	Telehandler	Mirror Worklights Output Short To Battery or Open Circuit
W5503	Telehandler	Mirror Worklights Output Short To Ground
W5602	Telehandler	Mirror Defrost Output Short To Battery or Open Circuit
W5603	Telehandler	Mirror Defrost Output Short To Ground
W6021	Telehandler	Inclinometer sensor input Out of Range High
W6022	Telehandler	Inclinometer sensor input Out of Range Low
W6098	Telehandler	Calibration performed
W6099	Telehandler	Inclinometer Calibration required
W6102	Telehandler	Inclinometer lamp error on
W6103	Telehandler	Inclinometer lamp error off
W6521	Telehandler	Boom Angle 1 OOR High
W6522	Telehandler	Boom Angle 1 OOR Low
W6621	Telehandler	Boom Angle 2 OOR High
W6622	Telehandler	Boom Angle 2 OOR Low
W6744	Telehandler	Boom Angle in error
W6798	Telehandler	Boom Angle Calibration Performed
W6799	Telehandler	Boom Angle Calibration Required
W6802	Telehandler	Boom retract Switch Short to Battery
W6803	Telehandler	Boom retract Switch Short to Ground or open circuit
W6902	Telehandler	Boom retract Switch 2 Short to Battery
W6903	Telehandler	Boom retract Switch 2 Short to Ground or open circuit
W6928	Telehandler	Boom retract Switch 2 In Error
W7002	Telehandler	Boom Drain Output Error ON
W7003	Telehandler	Boom Drain Output Error OFF
W7007	Telehandler	Boom Drain Output Error Open Circuit
W7033	Telehandler	Boom Drain Output Internal Failure
W7102	Telehandler	Boom Drain Relay Feedback Output Error ON
W7103	Telehandler	Boom Drain Relay Feedback Output Error OFF
W7304	M-Series Loader	Remote Control No Communication
W7428	Telehandler	Boom Suspension Error
W7504	M-Series Loader	Drive Controller No Communication
W7528	Telehandler	Boom Suspension/Float switch On
W7602	Telehandler	Boom Suspension Icon Error ON
W7603	Telehandler	Boom Suspension Icon Error OFF
W7705	Telehandler	Boom Float Output Short To Battery
W7706	Telehandler	Boom Float Output Short To Ground
W7707	Telehandler	Boom Float Output Open circuit

Code	Product	Description
W8002	Telehandler	Power Quicktach output Error On
W8003	Telehandler	Power Quicktach output Error Off
W8005	Telehandler	Power Quicktach Output Short To Battery
W8006	Telehandler	Power Quicktach Output Short To Ground
W8007	Telehandler	Power Quicktach Output Open circuit
W8128	Telehandler	Power Quicktach Switch in error
W8202	Telehandler	Power Quicktach Relay feedback Error On
W8203	Telehandler	Power Quicktach Relay feedback Error Off
W8302	Telehandler	Electromagnet Output Error On
W8303	Telehandler	Electromagnet Output Error Off
W8307	Telehandler	Electromagnet Output Open circuit
W8402	Telehandler	Electromagnet Relay feedback Error On
W8403	Telehandler	Electromagnet Relay feedback Error Off
W8502	Telehandler	Manplatform detection switch Short To Battery
W8503	Telehandler	Manplatform detection switch Short To Ground or Open circuit
W8611	Telehandler	Winch Overloaded
W8628	Telehandler	Winch Inputs In Error
W8702	Telehandler	Power Quicktach Boom Output Error On
W8703	Telehandler	Power Quicktach Boom Output Error Off
W8707	Telehandler	Power Quicktach Boom Output Open circuit
W8802	Telehandler	Power Quicktach Boom Relay feedback Error On
W8803	Telehandler	Power Quicktach Boom Relay feedback Error Off
W8902	Telehandler	Power Lift Output Error ON
W8903	Telehandler	Power Lift Output Error OFF
W8907	Telehandler	Power Lift Output Error Open Circuit
W9002	Telehandler	Power Lift Relay Error ON
W9003	Telehandler	Power Lift Relay Error OFF
W9999	Telehandler	Workgroup controller Bad Table