

001 No Code - Universal Display does not power up.

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002 No Code - No power to Communication Converter Box from electronic service tool (EST) connector.

003 No Code - GPS Receiver is not powered.

004 No Code - LB+ circuit is not powered at the 9-pin Tractor to Implement connector.

005 No Code - HB+ circuit is not powered at the 9-pin Tractor to Implement connector.

006 No Code - "Bad Application Pointer" error on the Display

007 No Code - Implement status always shown as down on the Display.

008 No Code - Implement status always shown as up on the Display.

009 No Code - Implement status always shown as up or always as down on the Display.

010 No Code - Markers do not alternate in Automatic mode of operation.

011 No Code - No ground speed shown on the Display when the planter is lowered and moving.

012 No Code - Enhanced lights do not operate.

013 No Code - Tail lights do not function.

014 No Code - Left hand warning lamp does not function.

015 No Code - Right hand warning lamp does not function.

016 No Code - The Fold solenoid does not energize when using the manual fold connector.

017 No Code - Sensor screen on the Display shows the wrong number of connected seed sensors and no fault code is active.

018 No Code - Vacuum sensor does not operate, does not display as connected on the Sensor screen, and no faults codes are active.

019 No Code - Vacuum sensor does not operate and no fault codes are active.

020 No Code - Hopper Level sensor does not operate and no fault codes are active.

10000 - MCC1 detects that the Display has stopped communicating for at least 5 seconds.

10000 - MIU fault logic detects that the Display has stopped communicating for at least 5 seconds.

10001 - MCC1 detects that the MIU has stopped communicating for at least 5 seconds.

10002 - MCC1 fault logic detects that the MIU has an initialization fault.

1000 - Display Warning: The software required for the connected implement is not on the Universal Display.

1001 - Display Warning: The software required for the connected implement is corrupted on the Universal Display.

1002 - Display Warning: The Real Time Clock memory has failed in the Universal Display.

10bb0 - Display Warning: Seed sensor bb has detected a fault.

10bb1 - Display Warning: The number of sensors detected as connected is different than the entered number.

10bb2 - Display Warning: Row bb is not planting.

10bb3 - Display Warning: Row bb planting rate is incorrect.

11000 - Display Warning: Attempting to plant with the Master Control OFF while the planter is lowered and moving.

11001 - Display Warning: Field not selected.

13001 - Display Warning: Display does not detect datacard.

13002 - Display Warning: The datacard has been removed while power is applied.

13003 - Display Warning: The data on the datacard is corrupted.

13004 - Display Warning: Read or write access to the datacard has failed.

13005 - Display Warning: Datacard is 90% full.

13006 - Display Warning: Datacard is 100% full. As-applied data is no longer being recorded.

13007 - Display Warning: Display software cannot read a farm on the datacard.

13008 - Display Warning: Display software cannot read a field file on the datacard.

13009 - Display Warning: Display software cannot read a prescription file on the datacard.

14000 - MIU: Seed sensor bus communication error. MIU is not receiving input from 5 consecutively connected sensors.

14010 - Display Warning: Seed section controller is at maximum duty (100% output).

14012 - Display Warning: Vacuum fan controller is at maximum duty (100% output).

15010 - Display Warning: Seed section controller is at minimum design output.

16010 - Display Warning: Seed section controller is at maximum design limit.

17000 - Display Warning: The left hand or right hand seed hopper level is low.

2000 - Display Warning: The planter configuration was not received from the MIU.

2001 - Display Warning: An unknown product configuration was received from the MCC.

2002 - Display Warning: The sensor bus configuration values have not been received from the MIU.

2003 - Display Warning: The Display cannot retrieve manufacturing identification information from the MIU.

3000 - Display Warning: Communication has been interrupted between the Universal Display and the MIU controller.

3001 - Display Warning: The MIU controller has logged a new fault code and is now disabled.

3012 - MIU: The left hand ground speed sensor has detected a wheel speed greater than 70 kilometers per hour (45 mph).

3013 - MIU detects unstable reading from the left hand ground speed sensor.

3032 - MIU: The right hand ground speed sensor has detected a wheel speed greater than 70 kilometers per hour (45 mph).

3033 - MIU detects unstable readings from the right hand ground speed sensor.

4010 - Display Warning: Communication has been interrupted between the Universal Display and the MCC1 controller.

4011 - Display Warning: The MCC1 has logged a new fault code and is now disabled.

43010 - MIU: The sensor bus is reporting a Vacuum Sensor fault.

45010 - MIU: The sensor bus is reporting a Bin Level Sensor fault.

49bb1 - MIU: Seed sensor bb failed during self-test.

49bb3 - MIU: Seed sensor bb is not communicating correctly during normal operation.

5000 - Display Warning: The Display has not received any Non-Volatile Memory (NVM) communications from the MIU.

50010 - MIU: Corrupt CAN source address in Non-Volatile Memory (NVM).

50010 - MCC1: Corrupt Minimum Vacuum Controller Duty in NVM (Non-Volatile Memory).

5001 - Display Warning: The Display has received a negative response for requested Non-Volatile Memory (NVM) information.

50020 - MIU: Corrupt Planter Type in Non-Volatile Memory (NVM).

50020 - MCC1: Corrupt Minimum Seed Drive #n Controller Duty in NVM (Non-Volatile Memory).

5002 - Display Warning: The Display has received a negative response when sending Non-Volatile Memory (NVM) information.

50030 - MIU: Corrupt Number of Sections in Non-Volatile Memory (NVM).

50030 - MCC1: Corrupt Minimum Bulk Fan Controller Duty in NVM (Non-Volatile Memory).

50040 - MIU: Corrupt System Options in Non-Volatile Memory (NVM).

50040 - MCC2: Corrupt Minimum Liquid Controller Duty in NVM (Non-Volatile Memory).

50050 - MIU: Corrupt Left Distance Calibration Number in Non-Volatile Memory (NVM).

50050 - MCC1: Corrupt Minimum Vacuum Controller Gain (Tune) in NVM (Non-Volatile Memory).

50060 - MIU: Corrupt Right Distance Calibration Number in Non-Volatile Memory (NVM).

50060 - MCC1: Corrupt Minimum Seed Drive #n Controller Gain (Tune) in NVM (Non-Volatile Memory).

50070 - MIU: Corrupt Minimum Frame Height Calibration Value in Non-Volatile Memory (NVM).

50070 - MCC1: Corrupt Minimum Bulk Fan Controller Gain (Tune) in NVM (Non-Volatile Memory).

50080 - MIU: Corrupt Plant Start Height Calibration Value in Non-Volatile Memory (NVM).

50080 - MCC1: Corrupt minimum Liquid Controller Gain (Tune) in NVM (Non-Volatile Memory).

50090 - MIU: Corrupt Plant Stop Height Calibration Value in Non-Volatile Memory (NVM).

50100 - MIU: Corrupt Wing Drop Height Calibration Value in Non-Volatile Memory (NVM).

50110 - MIU: Corrupt Limited Raise Height Calibration Value in Non-Volatile Memory (NVM).

5011 - MIU detects an open or shorted MIU Interlock Relay, or the MIU Interlock Relay driver is faulted.

5011 - MCC1 controller detects an open or shorted connection to the MCC1 Interlock relay or the MCC1 Interlock Relay driver has faulted.

50120 - MIU: Corrupt Maximum Frame Height Calibration Value in Non-Volatile Memory (NVM).

50130 - MIU: Corrupt Seed Sensor Bus Break Point Value in Non-Volatile Memory (NVM).

50140 - MIU: Corrupt Radar Distance Calibration Number in Non-Volatile Memory (NVM).

60000 - MIU: The radar speed sensor has detected a wheel speed greater than 70 kilometers per hour (45 mph).

6000 - Display Warning: The Display has received corrupt/invalid Non-Volatile Memory (NVM) data from the MIU.

6001 - Display Warning: Planter setup items have been lost or have not been setup on the MIU.

6002 - Display Warning: Product setup values have been lost or have not been setup on the MIU.

6003 - Display Warning: Area counters have been lost or have not been setup on the MIU.

6004 - Display Warning: Frame calibration values have been lost or have not been setup on the MIU.

6013 - MIU detects that the Frame Fold Solenoid has an open circuit.

6014 - MIU detects that the Frame Fold Solenoid is shorted or the MIU pin is shorted to power.

6015 - MIU detects power to the Frame Fold Solenoid driver when the MIU Interlock Relay is disabled.

6018 - MIU detects that the Frame Fold Solenoid driver is stuck On or Off.

6093 - MIU detects that the Left Hand Marker Solenoid has an open circuit.

6094 - MIU detects that the Left Hand Marker Solenoid is shorted or the MIU pin is shorted to power.

6095 - MIU detects power to the Left Hand Marker Solenoid driver when the MIU Interlock Relay is disabled.

6098 - MIU detects that the Left Hand Marker Solenoid driver is stuck On or Off.

6103 - MIU detects that the Right Hand Marker Solenoid has an open circuit.

6104 - MIU detects that the Right Hand Marker Solenoid is shorted or the MIU pin is shorted to power.

6105 - MIU detects power to the Right Hand Marker Solenoid driver when the MIU Interlock Relay is disabled.

6108 - MIU detects that the Right Hand Marker Solenoid driver is stuck On or Off.

7010 - Display Warning: Seed Controller PWM driver fault.

7012 - Display Warning: Vacuum Controller Fan driver fault.

7013 - MCC1 detects that the Vacuum Fan solenoid valve has an open circuit.

7014 - MCC1 detects that the Vacuum Fan Solenoid is shorted or the MCC1 pin is shorted to power.

7015 - MCC1 detects power to the Vacuum Fan Solenoid driver when the MCC1 Interlock Relay is disabled.

7018 - MCC1 detects that the Vacuum Fan Solenoid driver is stuck On or Off.

7023 - MIU detects that the Left Hand Enhanced Light has an open circuit.

7023 - MCC1 detects that the Seed Section 1 drive solenoid valve has an open circuit.

7024 - MIU detects that the Left Hand Enhanced Light is shorted or the MIU pin is shorted to power.

7024 - MCC1 detects that the Seed Section 1 drive solenoid valve is shorted or the MCC1 pin is shorted to power.

7025 - MIU detects power to the Left Hand Enhanced Light driver when the MIU Interlock Relay is disabled.

7025 - MCC1 controller detects power to the Seed Section 1 drive solenoid valve when the MCC1 Interlock Relay is disabled.

7028 - MIU detects that the Left Hand Enhanced Light driver is stuck On or Off.

7028 - MCC1 detects that the Seed Section 1 solenoid driver is stuck on or off.

7043 - MIU detects that the Right Hand Enhanced Light has an open circuit.

7044 - MIU detects that the Right Hand Enhanced Light is shorted or the MIU pin is shorted to power.

7045 - MIU detects power to the Right Hand Enhanced Light when the MIU Interlock Relay is disabled.

7048 - MIU detects that the Right Hand Enhanced Light driver is stuck On or Off.

8000 - MIU detects less than 9.8 volts at the battery input pin.

8000 - MCC1 controller detects less than 9.8 volts at the battery input pin.

8001 - MIU detects greater than 18.25 volts at the battery input pin.

8001 - MCC1 controller detects greater than 18.25 volts at the battery input pin.

8002 - MIU detects less than 9.8 volts at the Load Clamp input pin.

8002 - MCC1 controller detects less than 9.8 volts at the load clamp input pin.

8003 - MIU detects power when the MIU Interlock Relay is disabled.

8003 - MCC1 controller detects power when the MCC1 Interlock Relay is disabled.

8010 - Display Warning: Seed Section 1 rate is out of range.

8012 - Display Warning: Vacuum fan rate is out of range.

9000 - MIU detects that the CAN (Controller Area Network) has stopped communicating.

9000 - MCC1 controller detects that the CAN (Controller Area Network) has stopped communicating.

9002 - MIU: CAN address control input signal not present to permit address claiming.

9002 - MCC1: CAN address control input signal not present from the preceding controller to permit address claiming.

9003 - MIU: CAN address control input signal HIGH at initialization.

9003 - MCC1: CAN address control input signal is shorted to power at power up.