

10001 - Upper Lockout Solenoid Error

10002 - Raise Solenoid Error

10003 - Lower Solenoid Error

10004 - Front Axle Position Sensor Threshold Higher Than Set Limit

10005 - Front Axle Position Sensor Threshold Lower Than Set Limit

10008 - Go Down Error - Suspension Unable to Return to Set Point

10009 - Lower Lockout Solenoid Error

1002 - Radar Disconnected

10024 - Front Suspension Not Calibrated

1003 - Speed Sensor Error

1004 - Wheel Speed Sensor Signal Too High

1006 - Slip Control Potentiometer Voltage Too Low

1007 - Slip Control Potentiometer Voltage Too High

1008 - Raise / Work Switch Failure (Command Arm)

1009 - Both External Switches Operated At The Same Time

1010 - Height Limit Control Potentiometer Voltage Too Low

1011 - Height Limit Control Potentiometer Voltage Too High

1012 - Drop Rate Control Potentiometer Voltage Too Low

1013 - Drop Rate Control Potentiometer Voltage Too High

1014 - Right Hand Load Sensing Pin Signal Too Low

1015 - Right Hand Sensing Pin Signal Too High

1016 - Left Hand Load Sensing Pin Signal Too Low

1017 - Left Hand Load Sensing Pin Signal Too High

1019 - Load Sensing Pin 8V Reference Voltage Too Low

1020 - Load Sensing Pin 8V Reference Voltage Too High

1021 - Draft Sensitivity Control Potentiometer Voltage Too Low

1022 - Draft Sensitivity Control Potentiometer Voltage Too High

1023 - Command Arm/Control Panel Disconnected

1024 - Perform The Hydraulic Lift Calibration

1025 - Position Control Potentiometer Voltage Too Low

1026 - Position Control Potentiometer Voltage Too High

1027 - Lift Arm Position Sensing Control Voltage Too Low

1028 - Lift Arm Position Sensing Control Voltage Too High

1029 - Hydraulic Control Valve Disconnected

1030 - Signal Ground Open Circuit

1031 - Chassis Harness Disconnected

1032 - Draft Control Potentiometer Voltage Too High

1033 - Draft Control Potentiometer Voltage Too Low

1049 - Wheel Speed Sensor Open Circuit

1053 - 5 Volt Reference Short to +12V

1054 - 5 Volt Reference Short To Ground

1059 - 8 Volt Reference Error (Draft Load Pins)

1063 - EDC Hydraulic Valve Lower Solenoid Open Circuit

1064 - EDC Hydraulic Valve Raise Solenoid Open Circuit

1065 - EDC Hydraulic Valve Lower Solenoid Short Circuit

1066 - EDC Hydraulic Valve Raise Solenoid Short Circuit

1067 - Hydraulic Valve Supply Voltage Voltage Too Low

1068 - Height Limit Control Not Set To Maximum During Calibration

1070 - Hydraulic Ram Configuration Not Set

14011 - Engine Speed Sensor Open Circuit Or Short To High Voltage (Mechanical Engine)

14012 - Engine Speed Sensor Short To Ground (Mechanical Engine)

14015 - 5V Supply Voltage - Too High

14016 - 5V Supply Voltage - Too Low

14041 - Engine Coolant Temperature Sensor Open Circuit Or Short To High Voltage (Mechanical Engine)

14042 - Engine Coolant Temperature Sensor Short To Ground (Mechanical Engine)

14051 - Fuel Level Sensor Open Circuit Or Short To High Voltage

14052 - Fuel Level Sensor Short To Ground

14061 - Air Brake Pressure Sensor Short To High Voltage Or Option Set But Sensor Not Connected

14082 - Engine Oil Pressure Sensor Short To Ground (Mechanical Engine)

14091 - Wheel Speed Sensor Open Circuit Or Short To High Voltage

14092 - Wheel Speed Sensor Short To Ground

14100 - Air Brake Option Needs To Be Set

14101 - Fuel Contaminated Sensor not Connected (mech. engine)

14200 - Error With Electrical Programmable Read Only Memory (EEPROM)

14900 - Transmission Controller Missing

14901 - Engine Controller Missing

14902 - Auxiliary Controller Missing

14903 - Small Control Module (SCM) Missing

14905 - Keypad Missing

14906 - Steering Controller Missing (KA)

14907 - Gear Display Missing

15002 - Steering Wheel Control Proximity Sensor Open Circuit.

15003 - Steering Wheel Control Proximity Sensor - Short Circuit

15006 - STEERING Hydraulic Fast steer system Processor - Spit Valve LVDT - Open circuit

15007 - Split Valve LVDT - Short Circuit

15008 - Change Valve Solenoid - Open Circuit

15009 - Change Valve Solenoid - Short Circuit Across

15010 - Safety Switch Fail

15012 - Split Valve Spool - Stuck Open

15013 - Change Valve Or Split Valve Spools - Stuck Closed

15014 - Split Valve Spool Stuck In Transition Zone - Can't Identify Which Steering Mode The Tractor Is Definitely In

15024 - System Not Calibrated

16111 - Cab Temperature Sensor Open or Shorted to Power Plus

16113 - Outlet Temperature Sensor Open or Shorted to Power Plus

16114 - Outlet Temperature Sensor Shorted to Ground

16115 - Evaporator Temperature Sensor Open or Shorted to Power Plus

16116 - Evaporator Temperature Sensor Shorted to Ground

16117 - Outside Air Temperature Sensor Open or Shorted to Power Plus

16118 - Outside Air Temperature Sensor Shorted to Ground

16121 - Temperature Select Potentiometer Open or Shorted to Power Plus  
16125 - High Pressure- Low Pressure Switch (+) Input Shorted to Power Plus  
16126 - High Pressure- Low Pressure Switch (+) Input Shorted to Ground  
16127 - High Pressure- Low Pressure Switch (-) Input Shorted to Power Plus  
16128 - High Pressure- Low Pressure Switch (-) Input Shorted to Ground  
16129 - High Pressure Cycling Error (2 in 1 Minute)  
16130 - Low Pressure Switch (+) Input Shorted to Power Plus  
16131 - Low Pressure Switch (+) Input Shorted To Ground  
16132 - Low Pressure Switch (-) Input Shorted To Power  
16133 - Low Pressure Switch (-) Input Shorted To Ground  
16134 - Low Pressure Switch Open For Greater Than 1 Minute  
2001 - CR - Shuttle Too Fast Error  
2002 - Flashing N Error  
2003 - CP - Clutch Pedal Required  
2004 - P - Handbrake Error  
2005 - Creeper Selection Error  
2011 - Clutch Pedal Potentiometer Signal Low  
2012 - Clutch Pedal Potentiometer Signal High  
2013 - Upshift and Downshift Switches Both Closed  
2015 - High and Low Range Switches Both Closed  
2016 - Creeper Solenoid Short To Ground Or High Voltage  
2021 - CHASSIS HARNESS DISCONNECTED  
2024 - All Clutches and Synchronisers Require Calibration  
2026 - Engine Speed Too High  
2027 - Engine Speed Too Low  
2035 - Dump Solenoid Short To Ground Or High Voltage  
2036 - Dump Solenoid Open Circuit  
2037 - Clutch Pedal Disconnect Switch Open Circuit  
2038 - Clutch C4 Solenoid Short To Ground Or High Voltage (16x16)  
2038 - High Range PWM Valve Short To Ground Or High Voltage (24x24)

2039 - Clutch C4 Solenoid Open Circuit (16x16)

2039 - High Range PWM Valve Open Circuit (24x24)

2040 - Clutch C3 Solenoid Short To Ground Or High Voltage (16x16)

2040 - Low Range PWM Valve Short To Ground Or High Voltage (24x24)

2041 - Clutch C3 Solenoid Open Circuit (16x16)

2041 - Low Range PWM Valve Open Circuit (24x24)

2042 - Clutch C2 Solenoid Short To Ground Or High Voltage (16x16)

2043 - Clutch C2 Solenoid Open Circuit (16x16)

2044 - Clutch C1 Solenoid Short To Ground Or High Voltage (16x16)

2045 - Clutch C1 Solenoid Open Circuit (16x16)

2047 - Clutch Pedal Disconnect Switch Set Too High

2048 - Clutch Pedal Disconnect Switch Set Too Low

2049 - Wheel Speed Sensor Open Circuit, Short To Ground or High Voltage

2051 - Oil Temperature Sensor Open Circuit

2052 - Oil Temperature Sensor Short To Ground Or High Voltage

2053 - 5 Volt Reference Voltage Too High

2054 - 5 Volt Reference Voltage Too Low

2055 - No Signal From Wheel Speed Sensor

2056 - Low Range Switch Open

2057 - High Range Switch Open

2058 - Seat Switch Closed

2059 - Shuttle Lever Switch Disagreement

2061 - Forward/Reverse Synchroniser Potentiometer Signal Too High

2062 - Forward/Reverse Synchroniser Potentiometer Signal Too Low

2063 - Forward Synchroniser Did Not Engage

2064 - Reverse Synchroniser Did Not Engage

2065 - Forward Synchroniser Solenoid Open Circuit

2066 - Reverse Synchroniser Solenoid Open Circuit

2067 - Forward Synchroniser Solenoid Short To Ground Or High Voltage

2068 - Reverse Synchroniser Solenoid Short To Ground Or High Voltage

2069 - Reverse Synchroniser No Longer Engaged

2070 - Shuttle Lever Forward Switch Voltage Too High

2071 - Shuttle Lever Forward Switch Voltage Too Low

2072 - Shuttle Lever Reverse Switch Voltage Too High

2073 - Shuttle Lever Reverse Switch Voltage Too Low

2075 - No Signal From Flywheel Speed Sensor

2076 - Flywheel Speed Sensor Open Circuit

2077 - Flywheel Speed Sensor Short Circuit Or High Value

2081 - 4/5 Range Synchroniser Potentiometer Signal High (16x16)

2082 - 4/5 Range Synchroniser Potentiometer Signal Low (16x16)

2083 - 1-4 (9-12) Range Synchroniser Error (16x16)

2084 - 5-8 (13-16) Range Synchroniser Engaged Error (16x16)

2085 - 1-4 (9-12) Range Synchroniser Solenoid Open Circuit (16x16)

2086 - 5-8 (13-16) Range Synchroniser Solenoid Open Circuit (16x16)

2087 - 1-4 (9-12) Range Synchroniser Solenoid Short To Ground Or High Voltage (16x16)

2088 - 5-8 (13-16) Range Synchroniser Solenoid Short To Ground Or High Voltage (16x16)

2091 - Clutch C3 Not Calibrated (16x16)

2092 - Clutch C4 Not Calibrated (16x16)

2093 - High Clutch Not Calibrated (24x24)

2094 - Low Clutch Not Calibrated (24x24)

2095 - Clutch C1 Not Calibrated (16x16)

2096 - Clutch C2 Not Calibrated (16x16)

2097 - Clutch C5 (17th Gear) Not Calibrated (16x16)

2098 - Clutch C5 (17th Gear) Solenoid Short Circuit (16x16)

2099 - Clutch C5 (17th Gear) Solenoid Open Circuit (16x16)

2101 - Clutch C5 (17th Gear) Dump Solenoid Open Circuit (16x16)

2124 - Flywheel Torque Sensor Fitted In Error (24x24)

2124 - Flywheel Torque Sensor Not Calibrated (16x16)

3001 - Foot Throttle Sensor - Signal Not Plausible

3002 - Foot Throttle Sensor - Signal Above Range Maximum

3003 - Foot Throttle Sensor - Signal Below Range Minimum

3006 - Coolant Temperature Sensor - Signal Not Plausible

3007 - Coolant Temperature Signal - Signal Above Range Maximum

3008 - Coolant Temperature Signal - Signal Below Range Minimum

3011 - Air Intake Temperature Sensor - Signal Below Range Minimum

3015 - Fuel Temperature Sensor - Signal Above Maximum

3016 - Fuel Temperature Sensor - Signal Below Range Minimum

3019 - Boost Pressure Sensor - Signal Above Range Maximum

3022 - Boost Pressure Sensor - Signal Not Plausible

3023 - Atmospheric Pressure Sensor - Signal Not Plausible

3024 - Atmospheric Pressure Sensor - Signal Above Range Maximum

3025 - Atmospheric Pressure Sensor - Signal Below Range Minimum

3028 - Oil Pressure Too Low

3029 - Oil Pressure Sensor - Short Circuit To Battery

3030 - Oil Pressure Sensor - Short Circuit To Ground

3032 - Oil Pressure Sensor - Value Too High

3033 - Oil Temperature Sensor - Signal Not Plausible (Compared With Coolant Temperature)

3034 - Oil Temperature Sensor - Signal Above Range Maximum

3035 - Oil Temperature Sensor - Signal Below Range Minimum

3037 - Boost Pressure Sensor - Signal Low

3038 - Constant Engine RPM Activate/Select Switch - Short Circuit to Battery

3047 - Main Relay Failure - Short Circuit To Battery

3048 - Main Relay Failure - Short Circuit to Ground

3051 - Battery Voltage To Engine Controller - Voltage Too High

3052 - Battery Voltage To Engine Controller - Voltage Too Low

3060 - Cylinder 1 - Unclassifiable Error In Injector

3061 - Cylinder 1 - Injector Cable Short Circuit (Low Side To Battery)

3063 - Cylinder 1 - Injector Cable Short Circuit (High Side To Ground)

3064 - Cylinder 5 - Unclassifiable Error In Injector

3065 - Cylinder 5 - Injector Cable Short Circuit (Low Side To Battery)

3067 - Cylinder 5 - Injector Cable Short Circuit (High Side To Ground)

3068 - Cylinder 3 - Unclassifiable Error In Injector

3069 - Cylinder 3 - Injector Cable Short Circuit (Low Side To Battery)

3071 - Cylinder 3 - Injector Cable Short Circuit (High Side To Ground)

3072 - Cylinder 6 - Unclassifiable Error In Injector

3073 - Cylinder 6 - Injector Cable Short Circuit (Low Side To Battery)

3075 - Cylinder 6 - Injector Cable Short Circuit (High Side To Ground)

3076 - Cylinder 2 - Unclassifiable Error In Injector

3077 - Cylinder 2 - Injector Cable Short Circuit (Low Side To Battery)

3079 - Cylinder 2 - Injector Cable Short Circuit (High Side To Ground)

3080 - Cylinder 4 - Unclassifiable Error In Injector

3081 - Cylinder 4 - Injector Cable Short Circuit (Low Side To Battery)

3083 - Cylinder 4 - Injector Cable Short Circuit (High Side To Ground)

3088 - Crankshaft Sensor - No Signal

3089 - Crankshaft Sensor - Invalid Signal

3090 - Camshaft Sensor - No Signal

3091 - Camshaft Sensor - Invalid Signal

3093 - Offset Between Camshaft And Crankshaft - Outside Boundaries

3095 - Operating With Camshaft Sensor Only - Backup Mode

3096 - ECM Bussoff On CAN A

3102 - Rail Pressure Sensor CP3 - Signal Below Range Minimum

3104 - Rail Pressure Relief Valve - Open

3105 - Rail Pressure Relief Valve - Pressure Shock Requested

3106 - Rail Pressure Relief Valve - Did Not Open After Pressure Shock

3107 - Fuel Metering Unit - Short To Battery

3108 - Fuel Metering Unit - Short To Ground

3110 - Rail Pressure Sensor Monitoring - Signal Above Range Maximum

3111 - Rail Pressure Sensor Monitoring - Signal Below Range Minimum

3112 - Rail Pressure Sensor CP3 - Signal Above Maximum Range

3121 - PTO Twist Sensor - Open Circuit



3122 - PTO Twist Sensor - Short Circuit To Ground

3123 - PTO Twist Sensor - Not Calibrated

3124 - Hand Throttle - Channel 2 Signal Above Range Maximum

3125 - Hand Throttle - Channel 2 Signal Below Range Minimum

3126 - Hand Throttle - Channel 1 Signal Above Range Maximum

3127 - Hand Throttle - Channel 1 Signal Below Range Minimum

3128 - Hand Throttle - Channel Difference Error

3129 - Hand Throttle - Idle Switch Closed Circuit

3130 - Hand Throttle - Idle Switch Open Circuit

3131 - Grid Heater Always Switched On

3137 - Metering Unit - Open Load

3138 - Metering Unit - Temperature Too High

3141 - Fuel Flow Setpoint Too Low

3142 - High Pressure Test - Test Active

3145 - Terminal 15 - No Signal

3147 - Oil Temperature Too High

3148 - Coolant Temperature Sensor Dynamic Test - Failure

3154 - Grid Heater Relay - Short Circuit To Battery

3155 - Grid Heater Relay - Short Circuit To Ground

3156 - Grid Heater Relay - No Load

3157 - ECM Not Detected On CAN Bus

3158 - Invalid ECM Checksum

3159 - Invalid Engine Reference Torque

3163 - Fan Actuator - No Load

3176 - Setpoint Of Metering Unit Not Plausible In Overrun

3177 - Engine Overspeed Detected

3179 - Time-out Of CAN Message BC2EDC2

3180 - Time-out Of CAN Message VCM2EDC

3182 - Timeout Of CAN Message RxCCVS

3185 - Timeout Of CAN Message TF

3188 - Cylinder 1 Warning - Open Load

3192 - Cylinder 2 warning - Open Load

3196 - Cylinder 3 Warning - Open Load

3200 - Cylinder 4 Warning - Open Load

3204 - Cylinder 5 Warning - Open Load

3208 - Cylinder 6 Warning - Open Load

3210 - Bank 1 - General Short Circuit To Injector Cable

3211 - Bank 1 - Injector cable Short Circuit Low Side To Ground

3213 - Bank 1 - Unclassifiable Error

3218 - Bank 2 - General Short Circuit On Injector Cable

3219 - Bank 2 - Injector Cable Short Circuit Low Side To Ground

3227 - Injection Processor Error - Internal Reset/Clock Loss/Voltage Too Low

3228 - Injection Processor Error - Unlocked/Initialization Error

3229 - Injection Processor Error - Injections Limited By Software

3230 - Injection Processor Error - SPI Communication Failure

3231 - Injection Processor Error - Internal Reset/Clock Loss/Voltage Too Low

3232 - Injection Processor Error - Unlocked/Initialization Failure

3233 - Injection Processor Error - Test Mode

3234 - Injection Processor Error - SPI Communication Failure

3238 - Engine Controller Internal SPI Communication Error

3239 - Engine Controller EEPROM - Read Operation Error

3240 - Engine Controller EEPROM - Write Operation Failure

3241 - Engine Controller EEPROM - Default Value Used

3242 - Engine Controller (Locked) Recovery Occurred

3243 - Engine Controller Recovery (Suppressed) - Recovery Occurred

3244 - Engine Controller Recovery (Visible) - Recovery Occurred

3245 - Engine Controller - Watchdog Not Plausible

3246 - Shutoff Paths During Initialization - Watchdog

3247 - Shutoff Paths Failed During Initialization - Supply Voltage Too High

3248 - Shutoff Paths During Initialization - Supply Voltage Too Low

3249 - TPU Monitoring - Time Deviation Between TPU And System Not Plausible

3250 - Dataset - Variant Defect

3251 - Dataset - Requested Variant Could Not Be Set

3252 - Controller Watchdog - SPI Communication Failure

3253 - ADC Monitoring - Reference Voltage Too Low

3254 - ADC Monitoring - Reference Voltage Too High

3255 - ADC Monitoring Test Impulse Error

3256 - ADC Monitoring Queue Error

3263 - CAN C Line No Signal

3265 - Overrun Monitoring

3266 - Redundant Engine Speed in Overrun Monitoring

3278 - Engine Controller Supply Voltage Too High

3279 - Engine Controller Internal Supply Voltage Too Low

3280 - Sensor Supply Voltage 1 - High

3281 - Sensor Supply Voltage 1 - Low

3283 - Sensor Supply Voltage 2 - High

3284 - Sensor Supply Voltage 2 - Low

3285 - Sensor Supply Voltage 3 - High

3286 - Sensor Supply Voltage 3 - Low

3297 - Rail Pressure Poistive Deviation High And High Fuel Flow Setpoint Value

3301 - Rail Pressure Negative Deviation Too High On Minimum Metering

3305 - Rail Pressure Below Minimum Limit In Controller Mode

3309 - Rail Pressure Above Maximum Limit In Controlled Mode

3313 - Rail Pressure Drop Rate Too High

3316 - Minimum Number Of Injections Not Reached - Stop Engine

3334 - Timeout Of CAN Message TCS1-PE Torque - When Active

3335 - Timeout Of CAN Message TSC1-PE Torque - When Inactive

3338 - Timeout Of CAN Message TSC1-VE Speed - When Inactive

3339 - Timeout Of CAN Message TSC1-VE Speed - When Active

3345 - Total Throttle Failure

3367 - Coolant Temperature Test Failure

3368 - Torque Limitation Due To OBD Performance Limiter By Legislation

3369 - Torque Reduction Due To Smoke Reduction

3370 - Torque Limitation Due To Engine Protection (Against Excessive Torque, Engine Overspeed And Overheat)

3371 - Torque Limitation Due To Fuel Quantity Limitation Because Of Injector System Errors

3375 - Constant Engine RPM Increase / Decrease Switch - Open Circuit

3376 - Engine Controller Software Does Not Support Power Management

3377 - Constant Engine RPM Switch Detected But Option Is Not Enabled

3999 - Unknown ECM SPN Error Code

4100 - Rear Remote No.1 No Control Message Received

4101 - Rear Remote No.1 Control Message Not Plausible

4102 - Rear Remote No.1 EEPROM Error

4103 - Rear Remote No.1 Switched To Failsafe

4104 - Rear Remote No.1 Under Voltage

4105 - Rear Remote No.1 Over Voltage

4106 - Rear Remote No.1 Spool Movement Too Low

4107 - Rear Remote No.1 Spool Movement Too High

4108 - Rear Remote No.1 Float Position Not Reached

4109 - Rear Remote No.1 Manually Operated

4110 - Rear Remote No.1 Driver Faulty

4111 - Rear Remote No.1 Potentiometer Faulty

4112 - Rear Remote No.1 Unable To Reach Neutral

4113 - Rear Remote No.1 Spool Not In Neutral At Key On

4114 - Rear Remote No.2 No Control Message Received

4115 - Rear Remote No.2 Control Message Not Plausible

4116 - Rear Remote No.2 EEPROM Error

4117 - Rear Remote No.2 Switched To Failsafe

4118 - Rear Remote No.2 Under Voltage

4119 - Rear Remote No.2 Over Voltage

4120 - Rear Remote No.2 Spool Movement Too Low  
4121 - Rear Remote No.2 Spool Movement Too High  
4122 - Rear Remote No.2 Float Position Not Reached  
4123 - Rear Remote No.2 Manually Operated  
4124 - Rear Remote No.2 Driver Faulty  
4125 - Rear Remote No.2 Potentiometer Faulty  
4126 - Rear Remote No.2 Unable To Reach Neutral  
4127 - Rear Remote No.2 Spool Not In Neutral At Key On.  
4128 - Rear Remote No.3 No Control Message Received  
4129 - Rear Remote No.3 Control Message Not Plausible  
4130 - Rear Remote No.3 EEPROM Error  
4131 - Rear Remote No.3 Switched To Failsafe  
4132 - Rear Remote No.3 Under Voltage  
4133 - Rear Remote No.3 Over Voltage  
4134 - Rear Remote No.3 Spool Movement Too Low  
4135 - Rear Remote No.3 Spool Movement Too High  
4136 - Rear Remote No.3 Float Position Not Reached  
4137 - Rear Remote No.3 Manually Operated  
4138 - Rear Remote No.3 Driver Faulty  
4139 - Rear Remote No.3 Potentiometer Faulty  
4140 - Rear Remote No.3 Unable To Reach Neutral  
4141 - Rear Remote No.3 Spool Not In Neutral At Key On  
4142 - Rear Remote No.4 No Control Message Received  
4143 - Rear Remote No.4 Control Message Not Plausible  
4144 - Rear Remote No.4 EEPROM Error  
4145 - Rear Remote No.4 Switched To Failsafe  
4146 - Rear Remote No.4 Under Voltage  
4147 - Rear Remote No.4 Over Voltage  
4148 - Rear Remote No.4 Spool Movement Too Low  
4149 - Rear Remote No.4 Spool Movement Too High

4150 - Rear Remote No.4 Float Position Not Reached  
4151 - Rear Remote No.4 Manually Operated  
4152 - Rear Remote No.4 Driver Faulty  
4153 - Rear Remote No.4 Potentiometer Faulty  
4154 - Rear Remote No.4 Unable To Reach Neutral  
4155 - Rear Remote No.4 Spool Not In Neutral At Key On  
4170 - Rear EHR Control No.1 Not Calibrated  
4171 - Rear EHR Control No.1 Open Circuit  
4172 - Rear EHR Control No.1 Short Circuit  
4173 - Rear EHR Control No.2 Not Calibrated  
4174 - Rear EHR Control No.2 Open Circuit  
4175 - Rear EHR Control No.2 Short Circuit  
4176 - Rear EHR Timer Switch No.1 / No.2 Not Connected  
4177 - Rear EHR Control No.3 Not Calibrated  
4178 - Rear EHR Control No.3 Open Circuit  
4179 - Rear EHR Control No.3 Short Circuit  
4180 - Rear EHR Control No.4 Not Calibrated  
4181 - Rear EHR Control No.4 Open Circuit  
4182 - Rear EHR Control No.4 Short Circuit  
4183 - Rear EHR Timer Switch No.3 / No.4 Not Connected  
4190 - Rear Remote No.1 No Communications  
4191 - Rear Remote No.2 No Communications  
4192 - Rear Remote No.3 No Communications  
4193 - Rear Remote No.4 No Communications  
4194 - Rear EHR No.1 Motor Mode Switch Faulty  
4195 - Rear EHR No.2 Motor Mode Switch Faulty  
4196 - Rear EHR No.3 Motor Mode Switch Faulty  
4197 - Rear EHR No.4 Motor Mode Switch Faulty  
5003 - Rear PTO Brake Solenoid Output Open Circuit  
5005 - Rear PTO Brake Switch Open Circuit

5007 - Rear PTO Solenoid Stuck Off

5008 - Rear PTO Solenoid Circuit Over Current

5033 - Rear PTO Cab Normally Closed Switch Open Circuit

5034 - Rear PTO Fender Switch Open Circuit / Short To Ground

5035 - Rear PTO Fender Switch Input Short To 12V+

5036 - Rear PTO Failure To Start

5037 - Rear PTO Management Switch Normally Open Stuck Closed

5042 - Rear PTO Management Switch Stuck Closed

5043 - Rear PTO Fender Switch Stuck On

5098 - Rear PTO Fender Switch Option Not Enabled

5099 - Rear PTO management option not activated

6020 - Four Wheel Drive Switch Error

6021 - Four Wheel Drive Solenoid Stuck On

6022 - Four Wheel Drive Solenoid Stuck Off

6023 - Four Wheel Drive Solenoid Open Circuit

7014 - Differential Lock Switch Error

7017 - Differential Lock Solenoid - Open Circuit

7024 - Steering Angle Sensor Not Calibrated

7032 - Steering Angle Sensor - Signal Too Low

8007 - Front PTO Solenoid - Stuck On

8008 - Front PTO Solenoid - Open Circuit

8033 - Front PTO Switch In Cab Normally Closed Open Circuit

8037 - Front PTO Cab Normally Open Switch Stuck Closed

8099 - Front PTO Option Not Enabled

9001 - Front Hitch Position Sensor - Short Circuit To 12V

9002 - Front Hitch Position Sensor - Open Circuit Or Short To Ground

9006 - Front Hitch Position Potentiometer - Not Calibrated

10001 - UPPER LOCKOUT SOLENOID ERROR

10002 - RAISE SOLENOID ERROR

10003 - LOWER SOLENOID ERROR

10004 - FRONT AXLE POTENTIOMETER THRESHOLD IS HIGHER THAN THE SET LIMIT

10005 - FRONT AXLE POTENTIOMETER THRESHOLD IS LOWER THAN THE SET LIMIT

10008 - Go Down Error - Suspension Unable to Return to Set Point

10009 - LOWER LOCKOUT SOLENOID ERROR

10010 - Chassis Accelerometer - Voltage too Low (Short to Ground or Open Circuit)

10011 - Chassis Accelerometer - Voltage Too High (Short Circuit to 5V)

1002 - POOR OR NO SIGNAL FROM TRACTOR PERFORMANCE MONITOR RADAR

10024 - THE FRONT SUSPENSION IS NOT CALIBRATED

1003 - Speed Sensor Error

1004 - HITCH Electronic draft control Sensing system , High signal , Wheel Speed Sensor - signal too high

1006 - SLIP CONTROL VOLTAGE LOW (SHORT OR OPEN CIRCUIT)

1007 - SLIP CONTROL VOLTAGE HIGH (DAMAGED POTENTIOMETER OR SHORT TO +VE VOLTAGE)

1008 - RAISE/WORK SWITCH FAILURE

1009 - BOTH EXTERNAL HPL FENDER SWITCHES ARE BEING OPERATED SIMULTANEOUSLY

10099 - Front Suspension Not Enabled

1010 - HEIGHT LIMIT CONTROL VOLTAGE LOW (SHORT OR OPEN CIRCUIT)

1011 - HEIGHT LIMIT CONTROL VOLTAGE HIGH (DAMAGED POTENTIOMETER OR SHORT TO +VE VOLTAGE)

1012 - DROP RATE CONTROL VOLTAGE LOW (SHORT OR OPEN CIRCUIT)

1013 - DROP RATE CONTROL VOLTAGE HIGH (DAMAGED POTENTIOMETER OR SHORT TO +VE VOLTAGE)

1014 - RIGHT HAND LOAD SENSING PIN SIGNAL TOO LOW

1015 - RIGHT HAND LOAD SENSING PIN SIGNAL TOO HIGH

1016 - LEFT HAND LOAD SENSING PIN SIGNAL TOO LOW

1017 - LEFT HAND LOAD SENSING PIN SIGNAL TOO HIGH

1018 - BOTH LOAD SENSING PINS DISCONNECTED

1019 - LOAD SENSING PIN VOLTAGE LESS THAN 8 VOLTS (SHORT OR OPEN CIRCUIT)

1020 - LOAD SENSING PIN VOLTAGE GREATER THAN 8 VOLTS (SHORT TO +12 VOLTS)

1021 - DRAFT SENSITIVITY CONTROL VOLTAGE LOW (SHORT OR OPEN CIRCUIT)

1022 - DRAFT SENSITIVITY CONTROL VOLTAGE HIGH (DAMAGED POTENTIOMETER OR SHORT TO +VE VOLTAGE)

1023 - Command Arm/Control Panel Disconnected



1024 - PERFORM THE HYDRAULIC LIFT AUTCALIBRATION

1025 - POSITION CONTROL POTENTIOMETER CONTROL VOLTAGE LOW (SHORT OR OPEN CIRCUIT)

1026 - POSITION CONTROL POTENTIOMETER CONTROL VOLTAGE HIGH (DAMAGED POTENTIOMETER OR SHORT TO +VE VOLTAGE)

1027 - LIFT ARM POSITION SENSING CONTROL VOLTAGE LOW (SHORT OR OPEN CIRCUIT)

1028 - LIFT ARM POSITION SENSING CONTROL VOLTAGE HIGH (DAMAGED POTENTIOMETER OR SHORT TO +VE VOLTAGE)

1029 - HYDRAULIC CONTROL VALVE DISCONNECTED

1030 - SIGNAL GROUND OPEN CIRCUIT

1031 - CHASSIS HARNESS DISCONNECTED

1032 - DRAFT CONTROL POTENTIOMETER VOLTAGE HIGH (DAMAGED POTENTIOMETER OR SHORT TO +VE VOLTAGE)

1033 - DRAFT CONTROL POTENTIOMETER VOLTAGE LOW (SHORT OR OPEN CIRCUIT)

1049 - WHEEL SPEED SENSOR OPEN OR SHORT CIRCUIT

1053 - CONTROLLER 5 VOLT REFERENCE SHORTED TO +VE VOLTAGE

1054 - CONTROLLER 5 VOLT REFERENCE SHORT TO GROUND

1059 - WORKING ARM HITCH Electronic draft control Electronic control , DIAGNOSTIC ERROR Connection/Electrical Open circuit , 8 Volt reference error (Draft Load Pins)

1063 - EDC HYDRAULIC VALVE LOWER SOLENOID OPEN CIRCUIT

1064 - EDC HYDRAULIC VALVE RAISE SOLENOID OPEN CIRCUIT

1065 - EDC HYDRAULIC VALVE LOWER SOLENOID SHORT CIRCUIT

1066 - EDC HYDRAULIC VALVE RAISE SOLENOID SHORT CIRCUIT

1067 - EDC HYDRAULIC VALVE SUPPLY VOLTAGE TOO LOW

1068 - HEIGHT LIMIT CALIBRATION ERROR

1069 - HITCH Electronic draft control , Malfunction , Raise/Work switch failure (transmission bone)

1070 - Hydraulic Ram Configuration not Set

14013 - Steering Angle Sensor - Short Circuit to VCC

14014 - Steering Angle Sensor - Short Circuit to Ground or Open Circuit

14015 - 5V Supply Voltage - Too High

14016 - 5V Supply Voltage - Too Low

14021 - Cranking Line - Shorted to +12V

14022 - Cranking Line - Shorted to Ground

14051 - FUEL TANK LEVEL SENDER OPEN CIRCUIT OR SHORT TO HIGH VOLTAGE

14052 - FUEL TANK LEVEL SENDER SHORT TO GROUND

14061 - Air Brake Pressure Sensor - Short Circuit to VCC or Option Set But Sensor Not Connected

14100 - Airbrake system not configured

14102 - SWCD Present but not configured

14900 - Transmission Controller Missing (RB/RD/RF/RG)

14901 - Engine Controller Missing (EDC16)

14902 - Auxiliary Controller Missing (RC/RH/RK/RL)

14904 - Arm rest (ARU) not connected

14905 - Keypad Missing (JA)

14906 - Steering Controller Missing (KA)

14908 - TECU Missing (OA)

14909 - SWCD Missing (VA)

14910 - Climate Controller Missing

14911 - Enhanced Cluster Without Keypad

14912 - Basic Cluster With Keypad

14920 - Configuration Error

15002 - STEERING Hydraulic Electronic steering system , Open circuit , Steering wheel control proximity sensor open circuit.

15003 - TRAVELLING STEERING Hydraulic Fast steer system Processor , DIAGNOSTIC ERROR Connection/Electrical Short circuit , Steering wheel control proximity sensor

15006 - STEERING Hydraulic Fast steer system Processor - Spit Valve LVDT \_ Open circuit

15007 - TRAVELLING STEERING Hydraulic Fast steer system Processor , DIAGNOSTIC ERROR Connection/Electrical Short circuit , Split valve LVDT

15008 - TRAVELLING STEERING Hydraulic Fast steer system Processor , DIAGNOSTIC ERROR Connection/Electrical Open circuit , Change valve solenoid

15009 - TRAVELLING STEERING Hydraulic Fast steer system Processor , DIAGNOSTIC ERROR Connection/Electrical Short circuit , Change valve solenoid - short circuit across itself

15010 - Safety Switch Fail

15011 - Maximum Engagement Time Elapsed (5 Minutes)

15012 - Split Valve Spool - Stuck Open

15013 - Change Valve or Split Valve Spools - Stuck Closed

15014 - Split Valve Spool Stuck in Transition Zone - Unable to Identify Steering Mode

15024 - TRAVELLING STEERING Hydraulic Fast steer system Processor , DIAGNOSTIC ERROR Calibration Not calibrated , System not calibrated

16111 - Cab Sensor Open or Shorted to Power

16112 - Cab Sensor Shorted to Ground

16113 - Outlet Sensor Open or Shorted to Power

16114 - Outlet Sensor Shorted to Ground

16115 - Evaporator Sensor Open or Shorted to Power

16116 - Evaporator Sensor Shorted to Ground

16117 - Outside Air Sensor Open or Shorted to Power

16118 - Outside Air Sensor Shorted to Ground

16120 - Blower Speed Select Potentiometer Open or Shorted to Power

16121 - Temperature Select Potentiometer Open or Shorted to Power

16122 - Mode Select Potentiometer Open or Shorted to Power

16125 - High Pressure Switch (+) Input Shorted to Power

16126 - High Pressure Switch (+) Input Shorted to Ground

16127 - High Pressure Switch (-) Input Shorted to Power

16128 - High Pressure Switch (-) Input Shorted to Ground

16129 - High Pressure Cycling Error (2 in 1 Minute)

16130 - Low Pressure Switch (+) Input Shorted to Power

16131 - Low Pressure Switch (+) Input Shorted to Power

16132 - Low Pressure Switch (-) Shorted to Power

16133 - Low Pressure Switch (-) Input Shorted to Ground

16134 - Low Pressure Switch Open For Greater Than 1 Minute

2001 - TRANSMISSION Powershift , Disabled , Shuttle Too Fast (N)

2002 - TRANSMISSION Powershift , Disabled , Flash "N" Error

2003 - CP - clutch pedal required

2004 (P) - HANDBRAKE ERROR

2005 - CREEPER SELECTION ERROR

2009 - TRANSMISSION Powershift , Undervoltage , Seat Switch Input - Voltage too Low

2010 - TRANSMISSION Powershift , Overvoltage , Seat Switch Input - Voltage too high

2011 - CLUTCH PEDAL POTENTIOMETER SIGNAL LOW

2012 - CLUTCH PEDAL POTENTIOMETER SIGNAL HIGH

2021 - CHASSIS HARNESS DISCONNECTED

2024 - ALL CLUTCHES AND SYNCHRONISERS REQUIRE CALIBRATION

2037 - CLUTCH PEDAL DISCONNECT SWITCH OPEN CIRCUIT

2046 - FUSE OPEN CIRCUIT

2047 - CLUTCH DISCONNECT SWITCH SET TOO HIGH

2048 - CLUTCH DISCONNECT SWITCH SET TOO LOW

2049 - WHEEL SPEED SENSOR OPEN CIRCUIT, SHORT TO GROUND OR HIGH VOLTAGE

2050 - Wheel Speed Sensor - Short Circuit

2051 - OIL TEMPERATURE SENSOR OPEN CIRCUIT

2052 - OIL TEMPERATURE SENSOR SHORT TO GROUND OR HIGH VOLTAGE

2053 - +5 VOLT REFERENCE VOLTAGE TOO HIGH

2054 - +5 VOLT REFERENCE VOLTAGE TOO LOW

2055 - Output speed sensor - no signal

2059 - SHUTTLE LEVER SWITCH DISAGREEMENT

2070 - SHUTTLE LEVER FORWARD SWITCH VOLTAGE HIGH

2071 - SHUTTLE LEVER FORWARD SWITCH VOLTAGE LOW

2072 - SHUTTLE LEVER REVERSE SWITCH VOLTAGE HIGH

2073 - SHUTTLE LEVER REVERSE SWITCH VOLTAGE LOW

2075 - No signal or faulty signal from flywheel torque sensor

2076 - FLYWHEEL SPEED SENSOR OPEN CIRCUIT

2077 - Flywheel speed sensor - short circuit

2102 - ARU Forward/Reverse Switch - Out of Range High

2103 - ARU Forward/Reverse Switch - Out of Range Low

2106 - ARU Auto Transmission Switch - Out of Range Low

2107 - ARU Auto Transmission Switch - Out of Range High

2108 - ARU Transmission Upshift Switch - Out of Range Low

2109 - ARU Transmission Upshift Switch - Out of Range High

2110 - Momentary Shuttle Lever Neutral - Too Low

2111 - Momentary Shuttle Lever Neutral - Too High

2124 - Calibrate flywheel torque sensor

2300 - TRANSMISSION Powershift Electrical control , Open or short circuit , 19th gear solenoid

2302 - TRANSMISSION Powershift Electrical control , Open or short circuit , 19th Gear Dump Solenoid

2303 - TRANSMISSION Powershift , Under limit value , Damper Calibration

2304 - TRANSMISSION Powershift , Over limit value , Damper Calibration

2305 - TRANSMISSION Powershift Electrical control , Overvoltage , 19th Gear Clutch Solenoid

2306 - TRANSMISSION Powershift Electrical control , Overvoltage , 19th Gear Dump Solenoid

2308 - TRANSMISSION Powershift , Not engaging , Reverse

2310 - TRANSMISSION Powershift Command , Undervoltage , Upshift Switch

2311 - TRANSMISSION Powershift Command , Overvoltage , Upshift Switch

2312 - Downshift switch voltage too low

2313 - Downshift switch voltage too high

2314 - TRANSMISSION Powershift Sensing system Pressure transducer , Open or short circuit , Forward Clutch

2315 - TRANSMISSION Powershift Sensing system Pressure transducer , Open or short circuit , Reverse Clutch

2323 - TRANSMISSION Powershift Sensing system Speed sensor , Open circuit , Mid Speed Sensor

2324 - TRANSMISSION Powershift Sensing system Speed sensor , Short circuit to ground , Mid Speed Sensor

2325 - TRANSMISSION Powershift Sensing system Speed sensor , Bad connection , Mid and output speed sensors swapped

2326 - TRANSMISSION Powershift Sensing system Speed sensor , Bad connection , Engine torque /RPM sensor swapped with either mid or output speed sensors

2328 - TRANSMISSION Powershift Sensing system Speed sensor , No signal , Mid Speed Sensor

2330 - TRANSMISSION Powershift , Over limit value , Transmission output RPM too high for selected gear

2331 - Clutch Slipping fault

2334 - TRANSMISSION Powershift , Incorrect value , Pressure indicated on the forward clutch pressure switches when the clutch solenoids are off

2335 - TRANSMISSION Powershift , Incorrect value , Pressure indicated on the reverse clutch pressure switch when the clutch solenoids are off

2336 - ADDITIONAL REDUCERS Creeper , Not engaging

2337 - ADDITIONAL REDUCERS Creeper , Not disengaging

2338 - Creeper potentiometer - short circuit to +8V or +12V

2339 - ADDITIONAL REDUCERS Creeper Sensing system Position potentiometer , Open or short circuit

2342 - TRANSMISSION Powershift Electrical control , TRANSMISSION Powershift Clutch and gear , Open or short circuit , Clutch A

2343 - TRANSMISSION Powershift Electrical control , Open or short circuit , Clutch B Solenoid

2344 - TRANSMISSION Powershift Electrical control , Open or short circuit , Clutch C Solenoid

2345 - TRANSMISSION Powershift Electrical control , Open or short circuit , Clutch D solenoid

2346 - TRANSMISSION Powershift Electrical control , Open or short circuit , Clutch E solenoid

2347 - TRANSMISSION Powershift Electrical control , Open or short circuit , Low range Clutch Solenoid

2348 - TRANSMISSION Powershift Electrical control , Open or short circuit , Medium Range Clutch Solenoid

2349 - TRANSMISSION Powershift Electrical control , Open or short circuit , High Range Clutch Solenoid

2350 - TRANSMISSION Powershift Electrical control , Open or short circuit , Reverse Clutch Solenoid

2351 - ADDITIONAL REDUCERS Creeper , Open or short circuit , Creeper Solenoid

2352 - TRANSMISSION Powershift Electrical control , Overvoltage , Clutch A Solenoid

2353 - TRANSMISSION Powershift Electrical control , Overvoltage , Clutch B Solenoid

2354 - TRANSMISSION Powershift Electrical control , Overvoltage , Clutch C Solenoid

2355 - TRANSMISSION Powershift Electrical control , Overvoltage , Clutch D Solenoid

2356 - TRANSMISSION Powershift Electrical control , Overvoltage , Clutch E Solenoid

2357 - TRANSMISSION Powershift Electrical control , Overvoltage , Low Range Clutch Solenoid

2358 - TRANSMISSION Powershift Electrical control , Overvoltage , Medium Range Clutch Solenoid

2359 - TRANSMISSION Powershift Electrical control , Overvoltage , High Range Clutch Solenoid

2360 - TRANSMISSION Powershift Electrical control , Overvoltage , Reverse Clutch Solenoid

2361 - ADDITIONAL REDUCERS Creeper , Overvoltage , Creeper Solenoid

2362 - TRANSMISSION Powershift Clutch and gear , Not calibrated , Clutch A

2363 - TRANSMISSION Powershift Clutch and gear , Not calibrated , Clutch B

2364 - TRANSMISSION Powershift Clutch and gear , Not calibrated , Clutch C

2365 - TRANSMISSION Powershift Clutch and gear , Not calibrated , Clutch D

2366 - TRANSMISSION Powershift Clutch and gear , Not calibrated , Clutch E

2367 - TRANSMISSION Powershift Clutch and gear , Not calibrated , Low Range Clutch

2368 - TRANSMISSION Powershift Clutch and gear , Not calibrated , Medium Range Clutch

2369 - TRANSMISSION Powershift Clutch and gear , Not calibrated , High Range Clutch

2370 - TRANSMISSION Powershift Clutch and gear , Not calibrated , Reverse Clutch

2371 - Creeper Position Out of Range

2372 - Creeper Not Calibrated

2373 - Clutch 19 Not Calibrated

2374 - Creeper Calibration Error

2375 - Creeper - Cold Oil

2376 - Fault on 19th Gear Valve

2377 - Fault on 19th Gear Dump Valve

2400 - Low/High Range Synchroniser Not Calibrated or Bad Calibration

2401 - Medium/Reverse Range Synchroniser Not Calibrated or Bad Calibration

2402 - Upshift and Downshift Switches Both Closed

2403 - Range Shift Synchroniser did not Engage

2405 - Range Shift Synchroniser did not Disengage

2407 - Range Shift Synchroniser did not Engage during a Shuttle Shift

2408 - High Range Synchroniser did not Engage during start up sequence with a specified time

2410 - Synchroniser did not Disengage

2411 - Synchroniser did not disengage after start up power up

2413 - Synchroniser disengaged without driver initiation

2414 - Disable range selected by operator

2415 - Medium/Reverse range synchroniser potentiometer - Voltage too high

2416 - Medium/Reverse range synchroniser potentiometer - Voltage too low

2417 - Low/High range synchroniser - Voltage too high

2418 - Low/High range synchroniser potentiometer - Voltage too low

2419 - Medium/Reverse range synchroniser potentiometer voltage is out of calibrated range

2420 - Low/High range synchroniser potentiometer - Voltage is out of calibrated range

2421 - Range switch input - Voltage too low

2422 - Range switch input - Voltage too high

2425 - Disable Range Selected

3001 - Foot Throttle Sensor - Signal Not Plausible

3002 - Foot Throttle Sensor - Signal Above Range Maximum

3003 - FOOT THROTTLE PEDAL POSITION SENSOR LOW VOLTAGE

3006 - Coolant Temperature Sensor - Signal not Plausible

3007 - Coolant Temperature Sensor - Signal Above Range

3008 - Coolant Temperature Sensor - Signal Below Range Minimum

3010 - Air Intake Temperature Sensor - Signal Above Range Maximum

3011 - Air Intake Temperature Sensor - Signal Below Range Minimum

3015 - Fuel Temperature Sensor - Signal Above Maximum

3016 - Fuel Temperature Sensor - Signal Below Range Minimum

3019 - Boost Pressure Sensor - Signal Above Range Maximum

3022 - Boost Pressure Sensor - Signal not Plausible

3023 - Atmospheric Pressure Sensor - Signal not Plausible

3024 - Atmospheric Pressure Sensor - Signal Above Range Maximum

3025 - Atmospheric Pressure Sensor - Signal Below Range Minimum

3028 - Oil Pressure too low

3029 - Oil Pressure Sensor - Short Circuit to Battery

3030 - Oil Pressure Sensor - Short Circuit to Ground

3032 - Oil Pressure Sensor - Value too High

3033 - Oil Temperature Sensor - Signal not Plausible (Compared with Coolant Temperature)

3034 - Oil Temperature Sensor - Signal Above Range Maximum

3035 - Oil Temperature Sensor - Signal Below Range Minimum

3037 - Boost Pressure Sensor - Signal Low

3038 - Constant Engine RPM Activate/Select Switch - Short Circuit to Battery

3047 - Main Relay Failure - Short Circuit to Battery

3048 - Main Relay Failure - Short Circuit to Ground

3051 - Battery Voltage to Engine Controller - Voltage too High

3052 - Battery Voltage to Engine Controller - Voltage too Low

3060 - Cylinder 1 - Unclassifiable Error in Injector



3061 - Cylinder 1 - Injector Cable Short Circuit (Low Side to Battery)  
3063 - Cylinder 1 - Injector Cable Short Circuit (High Side to Ground)  
3064 - Cylinder 5 - Unclassifiable Error in Injector  
3065 - Cylinder 5 - Injector Cable Short Circuit (Low Side to Battery)  
3067 - Cylinder 5 - Injector Cable Short Circuit (High Side to Ground)  
3068 - Cylinder 3 - Unclassifiable Error in Injector  
3069 - Cylinder 3 - Injector Cable Short Circuit (Low Side to Battery)  
3071 - Cylinder 3 - Injector Cable Short Circuit (High Side to Ground)  
3072 - Cylinder 6 - Unclassifiable Error in Injector  
3073 - Cylinder 6 - Injector Cable Short Circuit (Low Side to Battery)  
3075 - Cylinder 6 - Injector Cable Short Circuit (High Side to Ground)  
3076 - Cylinder 2 - Unclassifiable Error in Injector  
3077 - Cylinder 2 - Injector Cable Short Circuit (Low Side to Battery)  
3079 - Cylinder 2 - Injector Cable Short Circuit (High Side to Ground)  
3080 - Cylinder 4 - Unclassifiable Error in Injector  
3081 - Cylinder 4 - Injector Cable Short Circuit (Low Side to Battery)  
3083 - Cylinder 4 - Injector Cable Short Circuit (High Side to Ground)  
3088 - Crankshaft Sensor - No Signal  
3089 - Crankshaft Sensor - Invalid Signal  
3090 - Camshaft Sensor - No Signal  
3091 - Camshaft Sensor - Invalid Signal  
3093 - Offset Between Camshaft and Crankshaft - Outside Boundaries  
3095 - Operating with Camshaft Sensor Only - Backup Mode  
3096 - CAN A LINE NO SIGNAL  
3102 - Rail Pressure Sensor CP3 - Signal Below Range Minimum  
3104 - Rail Pressure Relief Valve - Open  
3105 - Rail Pressure Relief Valve - Pressure Shock Requested  
3106 - Rail Pressure Relief Valve - Did Not Open After Pressure Shock  
3107 - FUEL METERING UNIT SHORT TO VCC  
3108 - FUEL METERING UNIT SHORT TO GROUND

3111 - Rail Pressure Sensor Monitoring - Signal Below Range Minimum

3112 - Rail Pressure Sensor CP3 - Signal Above Maximum Range

3120 - PTO Twist Sensor - Not Plausible

3121 - PTO TWIST SENSOR OPEN CIRCUIT

3122 - PTO TWIST SENSOR SHORT TO GROUND

3123 - PTO TWIST SENSOR NOT CALIBRATED

3124 - Hand Throttle - Signal Above Range Maximum

3125 - Hand Throttle - Channel 2 Signal Below Range Minimum

3131 - Grid Heater Always Switched On

3137 - Metering Unit - Open Load

3138 - Metering Unit - Temperature too High

3141 - Fuel Flow Setpoint too Low

3142 - High Pressure Test - Test Active

3145 - Terminal 15 - No Signal

3147 - Oil Temperature too High

3148 - Coolant Temperature Sensor Dynamic Test - Failure

3154 - Grid Heater Relay - Short Circuit to Battery

3155 - Grid Heater Relay - Short Circuit to Ground

3156 - Grid Heater Relay - No Load

3157 - ECM not Detected on CAN Bus

3158 - Invalid ECM Checksum

3159 - Invalid Engine Reference Torque

3160 - Fan Actuator - Short Circuit to Battery

3161 - Fan Actuator - Short Circuit to Ground

3162 - Fan Actuator - Open Load

3163 - Fan Actuator - No Load

3176 - Setpoint of Metering Unit Not Plausible in Overrun

3177 - Engine Overspeed Detected

3179 - Time-out of CAN Message BC2EDC2

3180 - Time-out of CAN Message VM2EDC

3182 - Timeout of CAN Message RxCCVS

3185 - Timeout of CAN Message TF

3188 - Cylinder 1 Warning - Open Load

3192 - Cylinder 2 warning - Open Load

3196 - Cylinder 3 Warning - Open Load

3200 - Cylinder 4 Warning - Open Load

3204 - Cylinder 5 Warning - Open Load

3208 - Cylinder 6 Warning - Open Load

3210 - Bank 1 - General Short Circuit to Injector Cable

3211 - Bank 1 - Injector cable Short Circuit Low Side to Ground

3213 - Bank 1 - Unclassifiable Error

3218 - Bank 2 - General Short Circuit on Injector Cable

3219 - Bank 2 - Injector Cable Short Circuit Low Side to Ground

3221 - Bank 2 - Unclassifiable Error

3227 - Injection Processor Error - Internal Reset/Clock Loss/Voltage too Low

3228 - Injection Processor Error - Unlocked/Initialization Error

3229 - Injection Processor Error - Injections Limited by Software

3230 - Injection Processor Error - SPI Communication Failure

3231 - Injection Processor Error - Internal Reset/Clock Loss/Voltage too Low

3232 - Injection Processor Error - Unlocked/Initialization Failure

3233 - Injection Processor Error - Test Mode

3234 - Injection Processor Error - SPI Communication Failure

3238 - Engine Controller Internal SPI Communication Error

3239 - Engine Controller EEPROM - Read Operation Error

3240 - Engine Controller EEPROM - Write Operation Failure

3241 - Engine Controller EEPROM - Default Value Used

3242 - Engine Controller (Locked) Recovery Occurred

3243 - Engine Controller Recovery (Suppressed) - Recovery Occurred

3244 - Engine Controller Recovery (Visible) - Recovery Occurred

3245 - Engine Controller - Watchdog not Plausible

3246 - Shutoff Paths During Initialization - Watchdog

3247 - Shutoff Paths Failed during Initialization - Supply Voltage too High

3248 - Shutoff Paths During Initialization - Supply Voltage too Low

3249 - TPU Monitoring - Time Deviation Between TPU and System Not Plausible

3250 - Dataset - Variant Defect

3251 - Dataset - Requested Variant Could Not be Set

3252 - Controller Watchdog - SPI Communication Failure

3253 - ADC Monitoring - Reference Voltage too Low

3254 - ADC Monitoring - Reference Voltage too High

3255 - ADC monitoring test impulse error

3256 - ADC monitoring queue error

3263 - CAN C Line No Signal

3265 - Overrun Monitoring

3266 - Redundant Engine Speed in Overrun Monitoring

3278 - Engine Controller Supply Voltage too High

3279 - Engine Controller Internal Supply Voltage too Low

3280 - Sensor Supply Voltage 1 - High

3281 - Sensor Supply Voltage 1 - Low

3283 - Sensor Supply Voltage 2 - High

3284 - Sensor Supply Voltage 2 - Low

3285 - Sensor Supply Voltage 3 - High

3286 - Sensor Supply Voltage 3 - Low

3297 - Rail Pressure Poistive Deviation High and High Fuel Flow Setpoint Value

3301 - Rail Pressure Negative Deviation too High on Minimum Metering

3305 - Rail Pressure Below Minimum Limit in Controller Mode

3309 - Rail Pressure Above Maximum Limit in Controlled Mode

3313 - Rail Pressure Drop Rate too High

3316 - Minimum Number of Injections Not Reached - Stop Engine

3335 - Timeout of CAN Message TSC1-PE Torque - When Inactive

3339 - Timeout of CAN Message TSC1-VE Speed - When Active

3345 - Total Throttle Failure

3367 - Coolant Temperature Test Failure

3368 - Torque Limitation Due to OBD Performance Limiter by Legislation

3369 - Torque Reduction Due to Smoke Reduction

3370 - Torque Limitation Due to Engine Protection (Against Excessive Torque, Engine Overspeed and Overheat)

3371 - Torque Limitation Due to Fuel Quantity Limitation Because of Injector System Errors

3375 - Constant Engine RPM Increase / Decrease Switch - Open Circuit

3377 - Constant Engine RPM Switch Detected but Option is Not Enabled

4009 - ARU Aux 3 Joystick Lever - Out of Range Low

4010 - ARU Aux 3 Joystick Lever - Out of Range High

4040 - ARU Supply Voltage - Too Low (<8V)

4041 - ARU Supply Voltage - Too High (>18V)

4042 - ARU CAN Bus Off

4044 - ARU Controller Fault (Flash Memory)

4045 - ARU Controller Fault (Data Memory)

4052 - ARU Thumbwheel - Out of Range High

4053 - ARU Thumbwheel - Out of Range Low

4100 - REMOTE NO.1 NO CONTROL MESSAGE RECEIVED

4101 - REMOTE NO.1 CONTROL MESSAGE NOT PLAUSIBLE

4102 - REMOTE NO.1 EEPROM ERROR

4103 - REMOTE NO.1 SWITCHED TO FAILSAFE

4104 - REMOTE NO.1 UNDER VOLTAGE

4105 - REMOTE NO.1 OVER VOLTAGE

4107 - REMOTE NO.1 SPOOL MOVEMENT TOO HIGH

4108 - REMOTE NO.1 FLOAT POSITION NOT REACHED

4109 - Remote No. 1 Manually operated

4110 - REMOTE NO.1 DRIVER FAULTY

4111 - REMOTE NO.1 POTENTIOMETER FAULTY

4112 - REMOTE NO.1 UNABLE TO REACH NEUTRAL

4113 - REMOTE NO.1 SPOOL NOT IN NEUTRAL AT KEY ON  
4114 - REMOTE NO.2 NO CONTROL MESSAGE RECEIVED  
4115 - REMOTE NO.2 CONTROL MESSAGE NOT PLAUSIBLE  
4116 - REMOTE NO.2 EEPROM ERROR  
4117 - REMOTE NO.2 SWITCHED TO FAILSAFE  
4119 - REMOTE NO.2 OVER VOLTAGE  
4120 - REMOTE NO.2 SPOOL MOVEMENT TOO LOW  
4121 - REMOTE NO.2 SPOOL MOVEMENT TOO HIGH  
4122 - REMOTE NO.2 FLOAT POSITION NOT REACHED  
4123 - REMOTE NO.2 MANUALLY OPERATED  
4124 - REMOTE NO.2 DRIVER FAULTY  
4125 - REMOTE NO.2 POTENTIOMETER FAULTY  
4126 - REMOTE NO.2 UNABLE TO REACH NEUTRAL  
4127 - REMOTE NO.2 SPOOL NOT IN NEUTRAL AT KEY ON  
4128 - REMOTE NO.3 NO CONTROL MESSAGE RECEIVED  
4129 - REMOTE NO.3 CONTROL MESSAGE NOT PLAUSIBLE  
4130 - REMOTE NO.3 EEPROM ERROR  
4131 - REMOTE NO.3 SWITCHED TO FAILSAFE  
4132 - REMOTE NO.3 UNDER VOLTAGE  
4133 - REMOTE NO.3 OVER VOLTAGE  
4134 - REMOTE NO.3 SPOOL MOVEMENT TOO LOW  
4135 - REMOTE NO.3 SPOOL MOVEMENT TOO HIGH  
4136 - REMOTE NO.3 FLOAT POSITION NOT REACHED  
4137 - REMOTE NO.3 MANUALLY OPERATED  
4138 - REMOTE NO.3 DRIVER FAULTY  
4139 - REMOTE NO.3 POTENTIOMETER FAULTY  
4140 - REMOTE NO.3 UNABLE TO REACH NEUTRAL  
4141 - REMOTE NO.3 SPOOL NOT IN NEUTRAL AT KEY ON  
4142 - REMOTE NO.4 NO CONTROL MESSAGE RECEIVED  
4143 - REMOTE NO.4 CONTROL MESSAGE NOT PLAUSIBLE

4144 - REMOTE NO.4 EEPROM ERROR

4145 - REMOTE NO.4 SWITCHED TO FAILSAFE

4147 - REMOTE NO.4 OVER VOLTAGE

4148 - REMOTE NO.4 SPOOL MOVEMENT TOO LOW

4149 - REMOTE NO.4 SPOOL MOVEMENT TOO HIGH

4150 - REMOTE NO.4 FLOAT POSITION NOT REACHED

4151 - REMOTE NO.4 MANUALLY OPERATED

4152 - REMOTE NO.4 DRIVER FAULTY

4153 - REMOTE NO.4 POTENTIOMETER FAULTY

4154 - REMOTE NO.4 UNABLE TO REACH NEUTRAL

4155 - REMOTE NO.4 SPOOL NOT IN NEUTRAL AT KEY ON

4156 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , No signal , No control message received

4157 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Control Message not plausible

4158 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Malfunction , EEPROM error

4159 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Switched to "Failsafe mode"

4160 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Undervoltage

4161 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Overvoltage

4162 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Under limit value , Spool movement too low

4163 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Over limit value , Spool movement too high

4164 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Inadequate travel , Float position not reached

4165 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Self-engage , Manually operated

4166 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Malfunction , Driver faulty

4167 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Malfunction , Potentiometer faulty

4168 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Inadequate travel , Unable to reach neutral

4169 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Remote control valve Remote valve 5 , Incorrect value , Spool not in neutral at key on

4170 - EHR CONTROL NO.1 NOT CALIBRATED

4171 - EHR CONTROL LEVER NO.1 OPEN CIRCUIT

4172 - EHR CONTROL LEVER NO.1 SHORT CIRCUIT

4173 - EHR CONTROL NO.2 NOT CALIBRATED

4174 - EHR CONTROL LEVER NO.2 OPEN CIRCUIT

4175 - EHR CONTROL LEVER NO.2 SHORT CIRCUIT

4176 - TIMER SWITCH NO.1 / NO.2 DISCONNECTED

4177 - EHR CONTROL NO.3 NOT CALIBRATED

4178 - EHR CONTROL LEVER NO.3 OPEN CIRCUIT

4179 - EHR CONTROL LEVER NO.3 SHORT CIRCUIT

4180 - EHR CONTROL NO.4 NOT CALIBRATED

4181 - EHR CONTROL LEVER NO.4 OPEN CIRCUIT

4182 - EHR CONTROL LEVER NO.4 SHORT CIRCUIT

4183 - TIMER SWITCH NO.3 / NO.4 DISCONNECTED

4190 - NO COMMUNICATION FROM EHR NO.1

4191 - NO COMMUNICATIONS FROM EHR NO.2

4192 - NO COMMUNICATIONS FROM EHR NO.3

4193 - NO COMMUNICATION FROM EHR NO.4

4194 - MOTOR MODE NO.1 SWITCH FAULTY

4195 - MOTOR MODE NO.2 SWITCH FAULTY

4197 - MOTOR MODE NO.4 SWITCH FAULTY

4500 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , No signal , Front remote no.1 -no control message received

4501 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Incorrect value , Front remote no.1 - control message not plausible



4502 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no.1 - EEPROM error

4503 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Switched to "Failsafe mode" , Front remote no.1

4505 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Overvoltage , Front remote no.1

4507 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Over limit value , Front remote no.1 - spool movement too high

4508 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Inadequate travel , Front remote no.1 - float position not reached

4509 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Self-engage , Front remote no.1 - manually operated

4510 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no.1 - driver faulty

4511 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no.1 - potentiometer faulty

4512 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Inadequate travel , Front remote no.1 - unable to reach neutral

4513 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Incorrect value , Front remote no.1 - spool not in neutral at key on

4514 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , No signal , Front remote no.2 - no control message received

4515 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve , Incorrect value , Front remote no.2 - control message not plausible

4516 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no.2 - EEPROM error

4517 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Switched to "Failsafe mode" , Front remote no. 2

4518 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Undervoltage , Front remote no.2

4519 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Overvoltage , Front remote no.2

4520 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Under limit value , Front remote no.2 - spool movement too low

4522 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Inadequate travel , Front remote no.2 - float position not reached

4523 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Self-engage , Front remote no.2 - manually operated

4524 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no.2 - driver faulty

4525 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no. 2 - potentiometer faulty

4526 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Inadequate travel , Front remote no.2 - unable to reach neutral

4527 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Incorrect value , Front remote no.2 - spool not in neutral at key on

4528 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , No signal , Front remote no. 3 - no control message received

4529 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Incorrect value , Front remote no. 3 - control message not plausible

4530 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no. 3 - EEPROM error

4531 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Switched to "Failsafe mode" , Front remote no. 3

4532 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Undervoltage , Front remote no. 3

4533 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Overvoltage , Front remote no. 3

4534 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Under limit value , Front remote no. 3 - spool movement too low

4535 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Over limit value , Front remote no. 3 - spool movement too high

4536 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Inadequate travel , Front remote no. 3 - float position not reached

4537 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Self-engage , Front remote no. 3 - manually operated

4538 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no. 3 - driver faulty

4539 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no. 3 - potentiometer faulty

4540 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Inadequate travel , Front remote no. 3 - unable to reach neutral

4541 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Incorrect value , Front remote no. 3 - spool not in neutral at key on

4542 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , No signal , Front remote no. 4 - no control message received

4543 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Incorrect value , Front remote no. 4 - control message not plausible

4544 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no. 4 - EEPROM error

4545 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Switched to "Failsafe mode" , Front remote no. 4

4546 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Undervoltage , Front remote no. 4

4547 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Overvoltage , Front remote no. 4

4548 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Under limit value , Front remote no. 4 - spool movement too low

4549 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Over limit value , Front remote no. 4 - spool movement too high

4550 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Inadequate travel , Front remote no. 4 - float position not reached

4551 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Self-engage , Front remote no. 4 - manually operated

4552 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no. 4 - driver faulty

4553 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Malfunction , Front remote no. 4 - potentiometer faulty

4554 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Inadequate travel , Front remote no. 4 - unable to reach neutral

4555 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , Incorrect value , Front remote no. 4 - spool not in neutral at key on

4560 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , No signal , Front remote no. 1 - no communications

4561 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , No signal , front remote no. 2 - no communications

4562 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , No signal , Front remote no. 3 - no communications

4563 - PRIMARY HYDRAULIC POWER SYSTEM Electro-hydraulic remote valve Mid-mount remote control valve , No signal , Front remote no. 4 - no communications

5003 - REAR PTO BRAKE OUTPUT OPEN CIRCUIT

5005 - REAR PTO BRAKE SWITCH OPEN CIRCUIT

5007 - REAR PTO SOLENOID STUCK OFF

5008 - Rear PTO Solenoid - Open Circuit

5027 - Rear PTO speed sensor circuit open

5033 - REAR PTO CAB NORMALLY CLOSED SWITCH OPEN CIRCUIT

5034 - FENDER MOUNTED REAR PTO SWITCH OPEN CIRCUIT OR SHORT TO GROUND

5035 - FENDER MOUNTED REAR PTO SWITCH SHORT TO +VE VOLTAGE

5037 - REAR PTO CAB NORMALLY OPEN SWITCH STUCK CLOSED

5042 - PTO Management Switch - Stuck Closed

5043 - Rear PTO Fender Switch Stuck On

5044 - Rear PTO Speed Sensor - Short to Ground

5098 - Rear PTO Fender Switch Option Not Enabled

5099 - Auto PTO Mode Not Enabled

6023 - FOUR WHEEL DRIVE SOLENOID OPEN CIRCUIT

6025 - No Four Wheel Drive Pressure

6026 - Four Wheel Drive Pressure Switch - Stuck On

7014 - DIFFERENTIAL LOCK SWITCH ERROR

7017 - DIFFERENTIAL LOCK SOLENOID OPEN CIRCUIT

7024 - STEERING ANGLE SENSOR NOT CALIBRATED

7032 - Steering Angle Sensor - Signal Too High

7033 - No Difflock Pressure

7034 - Differential Lock Pressure Switch - Stuck On

8007 - Front PTO Solenoid - Stuck On

8008 - Front PTO Solenoid - Open Circuit

8033 - FRONT PTO CAB NORMALLY CLOSED SWITCH OPEN CIRCUIT

8037 - FRONT PTO CAB NORMALLY OPEN SWITCH STUCK CLOSED

8042 - Front PTO Management Switch - Short Circuit

8099 - Front PTO Option not Enabled

9001 - Front Hitch Position Sensor - Short Circuit to 12V

9002 - Front Hitch Position Sensor - Open Circuit or Short to Ground

9006 - Front Hitch Position Potentiometer - Not Calibrated