1008 - Fast up/down switch failure

1009 - Both external switches operated at same time

1010 - Voltage too low on the maximum arms raise potentiometer

1011 - Voltage too high on the maximum arms raise potentiometer

1012 - Voltage too low on the lowering speed potentiometer

1013 - Voltage too high on the lowering speed potentiometer

1021 - Voltage too low on the position/draft control potentiometer

1022 - Voltage too high on the position/draft control potentiometer

1023 - Rear lift control panel disconnected

1024 - Calibrate the arms

1025 - Voltage too low on the working depth control potentiometer

1026 - Voltage too high on the working depth control potentiometer

1027 - Voltage too low on the lift arms position potentiometer

1028 - Voltage too high on the lift arms position potentiometer

1029 - Lift solenoid valves disconnected

1031 - Chassis harness disconnected

10311 - SA (EDC control unit) + 12VF too high

1032 - Short circuit to +12 V on the draft sensor

1033 - Open circuit on the draft sensor

1040 - Lift not calibrated

1042 - Lowering limit potentiometer not set on maximum value

1043 - Lowering speed potentiometer not set on maximum value

1044 - Set position/draft control potentiometer not in position

1063 - Open circuit on the lowering control solenoid valve

1064 - Open circuit on the lifting control solenoid valve

1065 - Lowering control solenoid valve shorted

1066 - Lifting control solenoid valve shorted

1068 - Max. raise limit potentiometer not set on maximum value

1080 - Voltage too low on the lowering limit potentiometer

1081 - Voltage too high on the lowering limit potentiometer

13012 - SB (Power-Shuttle control unit) +12 VF too high

13013 - SC (control unit of four-wheel drive, lift and front power take-off)+12VF too high

13021 - SA (EDC control unit) +12VF too low

13022 - SB (Power-Shuttle control unit) +12VF too low

13023 - SC (control unit of four-wheel drive, lift and front power take-off)+12VF too low

13031 - SA (EDC control unit) error on +8 V reference voltage

13032 - SB (Power Shuttle Control Unit) error on +5V reference voltage

13033 - SC/SD (ECU for 4WD, front P.T.O. and lift) error on +5 V reference voltage

13102 - SB (power shuttle control unit) data not recorded correctly when switching off

14001 - Rear P.T.O. sensor shorted to +12V

14002 - Rear P.T.O. sensor shorted to ground

14011 - Engine speed sensor shorted to positive or circuit open

14012 - Engine speed sensor shorted to ground

14021 - Cranking line sensing shorted to + 12 V

14022 - Cranking line sensing shorted to ground

14041 - Engine coolant temperature sensor shorted to positive or circuit open

14042 - Engine coolant temperature sensor shorted to ground

14051 - Fuel level sensor shorted to positive or circuit open

14052 - Fuel level sensor shorted to ground

14058 - Seat switch on for longer than 25 hours

14091 - Transmission output speed shorted to + 12 V

14092 - Transmission output speed shorted to ground

14093 - Seat switch shorted to positive or circuit open

14094 - Seat switch shorted to ground

14101 - Sediment unit filter sensor not connected

14106 - Front P.T.O. fitted but not configured

14107 - Front lift fitted but not configured

14108 - Rear P.T.O. RPM sensor present yet not configured

14201 - Steering sensor shorted to positive or circuit open

14900 - No SB

14901 - SA Missing

14913 - NO SC

14915 - MV missing

2011 - Clutch pedal potentiometer signal too low

2012 - Clutch pedal potentiometer signal too high

2013 - HI and LO buttons pressed at the same time

2021 - Transmission harness disconnected

2024 - All clutches not calibrated

2026 - Engine speed too high

2035 - The solenoid of the dump valve shorted to + 12 V

2036 - The solenoid of the dump valve has open circuit or is shorted to ground

2037 - Clutch pedal switch circuit open

2047 - Clutch pedal switch too high

2048 - Clutch pedal switch set too low

2051 - Open circuit on the transmission oil temperature sensor

2052 - Short circuit to ground on the transmission oil temperature sensor

2059 - Shuttle lever switches disagree

2061 - Shuttle/hi-lo synchro potentiometer signal too high

2062 - Shuttle/HI-LO synchro potentiometer signal too low

2063 - Synchro not moving to shuttle position

2064 - SYNCHRO not moving to HI-LO position

2070 - Voltage from forward speed switch of the shuttle lever too high

2071 - Voltage from forward speed switch of the shuttle lever too low

2072 - Voltage from reverse speed switch of the shuttle lever too high

2073 - Voltage from reverse speed switch of the shuttle lever too low

2085 - Open circuit at the shuttle position synchronizer solenoid valve

2086 - Open circuit at the HI-LO position synchronizer solenoid valve

2087 - Short circuit to +12 V at the shuttle position synchronizer solenoid valve

2088 - Short circuit to +12 V at the HI-LO position synchronizer solenoid valve

2199 - Creeper unit option not enabled

2311 - HI speed switch input voltage too high

2312 - LO speed switch input voltage too high

2342 - Clutch a solenoid shorted to ground or circuit open

2343 - Clutch B solenoid shorted to ground or circuit open

2352 - Clutch a solenoid shorted to + 12 V

2353 - Clutch B solenoid shorted to +12 V

2362 - Clutch a not calibrated

2363 - Clutch B not calibrated

2400 - HI-LO/Shuttle synchronizer not calibrated or calibration incorrect

2411 - Synchronizer does not move during start-up procedure

2413 - Synchronizer disengaged without control module control

2421 - Voltage from range lever switch too low

2422 - Voltage from range lever switch too high

2425 - Voltage from gear lever switch too low

2426 - Voltage from gear lever switch too high

2427 - Error on gear lever button common

2428 - Dump switch voltage too high

2429 - Dump switch jammed on

2430 - Low creeper switch input

2431 - High creeper switch voltage

2432 - Oil pressure switch jammed off

2433 - Oil pressure switch jammed on

4700 - EEPROM corrupted

4701 - EEPROM data write unsuccessful

4710 - 12V key power lines: Voltage too high

4711 - 12V key solenoid activation: Voltage too high

4712 - 12V key power lines: Voltage too low

4713 - 12V key solenoid activation: Voltage too low

4720 - 12V key lines and 12V key solenoid activation line not powered together (12V Key low and 12V key solenoid activation high)

4721 - 12V key lines and 12V key solenoid activation line not powered together (12V Key high and 12V key solenoid activation low)

4722 - Hydraulic motor engagement switch: Both lines active

4723 - Hydraulic motor engagement switch: Both lines not active

4724 - X-Axis selection switch: Both lines active

4725 - Y-Axis selection switch: Both lines active

4730 - Joystick: Signal from X-Axis short to 5V

4731 - Joystick: Signal from Y-Axis short to 5V

4732 - Hydraulic motor: Signal from potentiometer short to 5V

4733 - Joystick: Signal from X-Axis short to ground

4734 - Joystick: Signal from Y-Axis short to ground

4735 - Hydraulic motor: Signal from potentiometer short to ground or open circuit

4736 - Proportional valve X-axis: Spool position pot signal short to 12V

4737 - Proportional valve X-axis: Spool position pot signal short to 5V

4738 - Proportional valve X-axis: Spool position pot signal short to ground

4739 - Proportional valve Y-axis: Spool position pot signal short to 12V

4740 - Proportional valve Y-axis: Spool position pot signal short to 5V

4741 - Proportional valve Y-axis: Spool position pot signal short to ground

4750 - Spool X-Axis moves in the opposite way respect to joystick activation (spool low while joystick rise)

4751 - Spool X-Axis moves in the opposite way respect to joystick activation (spool rise while joystick low)

4752 - Spool Y-Axis moves in the opposite way respect to joystick activation (spool low while joystick rise)

4753 - Spool Y-Axis moves in the opposite way respect to joystick activation (spool rise while joystick low)

4760 - At least one joystick axis and/or one spool position sensor are not in neutral position at startup

4761 - Wrong signal from joystick X-Axis or spool position sensor X or inconsistency between joystick X-Axis and SPSL1

4762 - Wrong signal from joystick Y-Axis or spool position sensor Y or inconsistency between joystick Y-Axis and SPSL2

4763 - Wrong signal from potentiometer, or wrong MSH switch cycle

4770 - Proportional valve X-axis: No current feedback

4771 - Proportional valve Y-axis: No current feedback

4772 - Proportional valve hydraulic motor: No current feedback

4773 - Proportional valve X-axis: Overload current feedback

4774 - Proportional valve Y-axis: Overload current feedback

4775 - Proportional valve hydraulic motor: Overload current feedback

4776 - Proportional valve X-axis: Current feedback too high

4777 - Proportional valve Y-axis: Current feedback too high

4778 - Proportional valve hydraulic motor: Current feedback too high

4790 - Proportional valve X-Axis: Valve MMX-A solenoid short to 12V

4791 - Proportional valve X-Axis: Valve MMX-B solenoid short to 12V

4792 - Proportional valve Y-Axis: Valve MMY-A solenoid short to 12V

4793 - Proportional valve Y-Axis: Valve MMY-B solenoid short to 12V

4794 - Motor mode: Proportional valve solenoid short to 12V

4795 - ON/OFF valve Y-Axis: Valve A1/B1 solenoid short to 12V

4796 - ON/OFF valve Y-Axis: Valve A2/B2 solenoid short to 12V

4797 - ON/OFF valve X-Axis: Valve A3/B3 solenoid short to 12V

4798 - ON/OFF valve X-Axis: Valve A4/B4 solenoid short to 12V

4799 - Motor mode: Enable valve solenoid short to 12V

4800 - Proportional valve X-Axis: Valve MMX-A solenoid short to ground

4801 - Proportional valve X-Axis: Valve MMX-B solenoid short to ground

4802 - Proportional valve Y-Axis: Valve MMY-A solenoid short to ground

4803 - Proportional valve Y-Axis: Valve MMY-B solenoid short to ground

4804 - Motor Mode: Proportional valve solenoid short to ground

4805 - ON/OFF valve Y-Axis: Valve A1/B1 solenoid short to ground

4806 - ON/OFF valve Y-Axis: Valve A2/B2 solenoid short to ground

4807 - ON/OFF valve X-Axis: Valve A3/B3 solenoid short to ground

4808 - ON/OFF valve X-Axis: Valve A4/B4 solenoid short to ground

4809 - Motor mode: Enable valve solenoid short to ground

4810 - Proportional valve X-Axis: Valve MMX-A solenoid open circuit

4811 - Proportional valve X-Axis: Valve MMX-B solenoid open circuit

4812 - Proportional valve Y-Axis: Valve MMY-A solenoid open circuit

4813 - Proportional valve Y-Axis: Valve MMY-B solenoid open circuit

4814 - Motor mode: Proportional valve solenoid open circuit

4815 - ON/OFF valve Y-Axis: Valve A1/B1 solenoid open circuit

4816 - ON/OFF valve Y-Axis: Valve A2/B2 solenoid open circuit

4817 - ON/OFF valve X-Axis: Valve A3/B3 solenoid open circuit

4818 - ON/OFF valve X-Axis: Valve A4/B4 solenoid open circuit

4819 - Motor mode: Enable valve solenoid open circuit

4820 - Proportional valve X-Axis: Valve MMX-A solenoid unstable current

4821 - Proportional valve X-Axis: Valve MMX-B solenoid unstable current

4822 - Proportional valve Y-Axis: Valve MMY-A solenoid unstable current

4823 - Proportional valve Y-Axis: Valve MMY-B solenoid unstable current

4824 - Motor Mode: Proportional Valve solenoid unstable current

4825 - ON/OFF valve Y-Axis: Valve A1/B1 solenoid unstable current

4826 - ON/OFF valve Y-Axis: Valve A2/B2 solenoid unstable current

4827 - ON/OFF valve X-Axis: Valve A3/B3 solenoid unstable current

4828 - ON/OFF valve X-Axis: Valve A4/B4 solenoid unstable current

4829 - Motor Mode: Enable Valve solenoid unstable current

4830 - Engine RPM via CAN line: Timeout reception

4840 - Sensor supply line 5V: Value too high

4841 - Sensor supply line 5V: Value too low

4842 - Sensor supply line: Open circuit

4843 - Sensor ground line: Open circuit

6011 - Permanent four-wheel drive switches and sensors supply fuse error

6014 - Short circuit between the terminals of the four-wheel drive solenoid valve

6020 - Automatic/manual four-wheel drive selector switch faulty

6021 - Four-wheel drive solenoid stuck off

6023 - Four-wheel drive solenoid circuit open

6031 - Voltage from the front shaft speed sensor (VAA) too low

6032 - Voltage from the front shaft speed sensor (VAA) too high

6033 - Voltage from the rear shaft speed sensor (VAP) too low

6034 - Voltage from the rear shaft speed sensor (VAP) too high

6035 - Frequency from the front shaft speed sensor (VAA) too high

6036 - Frequency from the rear shaft speed sensor (VAP) too high

6037 - Inconsistent sensors (VAA) and (VAP)

6038 - Voltage from tilt sensor too low

6039 - Voltage from tilt sensor too high

6041 - Voltage from steering angle sensor too high

6042 - Voltage from steering angle sensor too low

8007 - Short circuit to +12 V on electromagnetic clutch

8008 - Short circuit to ground or open circuit on electromagnetic clutch

8017 - Short circuit between terminals of electromagnetic clutch slip detector

8032 - Short circuit to +12 V or open circuit on electromagnetic clutch slip detector

8033 - Open circuit on front P.T.O. NC switch

8037 - Short circuit to front P.T.O. NO switch

9001 - Open circuit in the front lift link position potentiometer

9002 - Short circuit to positive in the front lift link position potentiometer

9011 - Open circuit in the front lift upper limit potentiometer

9012 - Short circuit to positive in the front lift upper limit potentiometer

9013 - Open circuit in the front lift working depth potentiometer

9014 - Short circuit to positive in the front lift working depth potentiometer

9019 - Engine RPM too low for calibration

9024 - Lift calibration

9041 - Upper limit potentiometer not set correctly for the calibration procedure

9063 - Open circuit in the lowering solenoid valve

9064 - Open circuit in the lifting solenoid valve

9065 - Short circuit to positive in the lowering solenoid valve

9066 - Short circuit to positive in the lifting solenoid valve

1008 - Fast up/down switch failure

1009 - Both external switches operated at same time

1010 - Voltage too low on the maximum arms raise potentiometer

1011 - Voltage too high on the maximum arms raise potentiometer

1012 - Voltage too low on the lowering speed potentiometer

1013 - Voltage too high on the lowering speed potentiometer

1021 - Voltage too low on the position/draft control potentiometer

1022 - Voltage too high on the position/draft control potentiometer

1023 - Rear lift control panel disconnected

1024 - Calibrate the arms

1025 - Voltage too low on the working depth control potentiometer

1026 - Voltage too high on the working depth control potentiometer

1027 - Voltage too low on the lift arms position potentiometer.

1028 - Voltage too high on the lift arms position potentiometer

1029 - Lift solenoid valves disconnected

1031 - Chassis harness disconnected

1032 - Short circuit to +12 V on the draft sensor

1033 - Open circuit on the draft sensor

1040 - Lift not calibrated

1042 - Lowering limit potentiometer not set on maximum value

1043 - Lowering speed potentiometer not set on maximum value

1063 - Open circuit on the lowering control solenoid valve

1064 - Open circuit on the lifting control solenoid valve

1065 - Lowering control solenoid valve shorted

1066 - Lifting control solenoid valve shorted

1068 - Max. raise limit potentiometer not set on maximum value

1080 - Voltage too low on the lowering limit potentiometer

1081 - Voltage too high on the lowering limit potentiometer

13011 - SA (EDC control unit) +12VF too high

13012 - SB (power shuttle control unit) +12VF too high

13013 - SC (control unit of four-wheel drive, lift and front power take-off)+12VF too high

13021 - SA (EDC control unit) +12VF too low

13022 - HITCH Electronic draft control Electronic control , Undervoltage , SB (power shuttle control unit) + 12VF too low

13023 - SC/SD (4WD ECU, lift and front P.T.O.) +12 VF too low

13031 - SA (EDC control unit) error on +8 V reference voltage

13032 - SB (Power Shuttle Control Unit) error on +5V reference voltage

13102 - SB (power shuttle control unit) data not recorded correctly when switching off

14001 - Rear P.T.O. sensor shorted to +12 V

14002 - Rear P.T.O. sensor shorted to ground

14011 - Engine speed sensor shorted to positive or circuit open

14012 - Engine speed sensor shorted to ground

14021 - Cranking line sensing shorted to +12 V

14022 - Cranking line sensing shorted to ground

14041 - Engine coolant temperature sensor shorted to positive or circuit open

14042 - Engine coolant temperature sensor shorted to ground

14051 - Fuel level sensor shorted to positive or circuit open

14052 - Fuel level sensor shorted to ground

14058 - Seat switch ON for longer than 25 hours

14091 - Transmission output speed shorted to +12 V

14092 - Transmission output speed shorted to ground

14093 - Seat switch shorted to positive or circuit open

14094 - Seat switch shorted to ground

14101 - Sediment unit filter sensor not connected

14106 - Front P.T.O. fitted but not configured

14107 - Front lift fitted but not configured

14108 - Rear P.T.O. revolution sensor fitted but not configurated

14201 - Short circuit to +12 V or open circuit on the signal coming from the steering sensor

14202 - Short circuit to ground on the signal coming from the steering sensor

14203 - Short circuit to +12 V or open circuit on the supply signal to the electro-hydraulic 4WD engagement/release relay coil

14204 - Short circuit to ground on the supply signal to the electrohydraulic 4WD engagement/release relay coil

14900 - No SB

14901 - SA Missing

14913 - NO SC/SD

14915 - MV missing

2011 - Clutch pedal potentiometer signal too low

2012 - Clutch pedal potentiometer signal too high

2013 - HI and LO buttons pressed at the same time

2021 - Transmission harness disconnected

2026 - Engine speed too high

2035 - The solenoid of the dump valve shorted to +12 V

2036 - The solenoid of the dump valve has open circuit or is shorted to ground

2037 - Clutch pedal switch circuit open

2042 - All clutches not calibrated

2047 - Clutch pedal switch too high.

2048 - TRANSMISSION Power Shuttle Electronic control , Incorrect setting , Clutch pedal switch set too low

2051 - Open circuit on the transmission oil temperature sensor

2052 - Short circuit to ground on the transmission oil temperature sensor

2059 - Shuttle lever switches disagree

2061 - Shuttle/hi-lo synchro potentiometer signal too high

2062 - Shuttle/hi-lo synchro potentiometer signal too low

2063 - SYNCHRO not moving to shuttle position

2064 - Synchro not moving to HI-LO position

2070 - Voltage from forward speed switch of the shuttle lever too high

2071 - Voltage from forward speed switch of the shuttle lever too low

2072 - Voltage from reverse speed switch of the shuttle lever too high

2073 - Voltage from reverse speed switch of the shuttle lever too low

2085 - Open circuit at the shuttle position synchronizer solenoid valve

2086 - Open circuit at the HI-LO position synchronizer solenoid valve

2087 - Short circuit to +12V at the shuttle position synchronizer solenoid valve

2088 - Short circuit to +12 V at the HI-LO position synchronizer solenoid valve

2199 - Creeper unit option not enabled

2311 - HI speed switch input voltage too high

2312 - LO speed switch input voltage too high

2342 - Clutch a solenoid shorted to ground or circuit open

2343 - Clutch B solenoid shorted to ground or circuit open

2352 - Clutch A solenoid shorted to +12 V

2353 - Clutch B solenoid shorted to +12 V

2362 - Clutch A not calibrated

2363 - Clutch B not calibrated

2400 - HI-LO/Shuttle synchronizer not calibrated or calibration incorrect

2411 - Synchronizer does not move during start-up procedure

2413 - Synchronizer disengaged without control module control

2421 - Voltage from range lever switch too low

2422 - Voltage from range lever switch too high

2425 - Voltage from gear lever switch too low

2426 - Voltage from gear lever switch too high

2427 - Error on gear lever button common

2428 - Dump switch voltage too high

2429 - Dump switch jammed on

2430 - Low creeper switch input

2431 - High creeper switch voltage

2432 - Oil pressure switch jammed off

2433 - Oil pressure switch jammed on

4700 - EEPROM corrupted

4701 - EEPROM data write unsuccessful

4710 - 12V key power lines: Voltage too high

4711 - 12V key solenoid activation: Voltage too high

4712 - 12V key power lines: Voltage too low

4713 - 12V key solenoid activation: Voltage too low

4720 - 12V key lines and 12V key solenoid activation line not powered together (12V Key low and 12V key solenoid activation high)

4721 - 12V key lines and 12V key solenoid activation line not powered together (12V Key high and 12V key solenoid activation low)

4722 - Hydraulic motor engagement switch: Both lines active

4723 - Hydraulic motor engagement switch: Both lines not active

4724 - X-Axis selection switch: Both lines active

4725 - Y-Axis selection switch: Both lines active

4730 - Joystick: Signal from X-Axis short to 5V

4731 - Joystick: Signal from Y-Axis short to 5V

4732 - Hydraulic motor: Signal from potentiometer short to 5V

4733 - Joystick: Signal from X-Axis short to ground

4734 - Joystick: Signal from Y-Axis short to ground

4735 - Hydraulic motor: Signal from potentiometer short to ground or open circuit

4736 - Proportional valve X-axis: Spool position pot signal short to 12V

4737 - Proportional valve X-axis: Spool position pot signal short to 5V

4738 - Proportional valve X-axis: Spool position pot signal short to ground

4739 - Proportional valve Y-axis: Spool position pot signal short to 12V

4740 - Proportional valve Y-axis: Spool position pot signal short to 5V

4741 - Proportional valve Y-axis: Spool position pot signal short to ground

4750 - Spool X-Axis moves in the opposite way respect to joystick activation (spool low while joystick rise)

4751 - Spool X-Axis moves in the opposite way respect to joystick activation (spool rise while joystick low)

4752 - Spool Y-Axis moves in the opposite way respect to joystick activation (spool low while joystick rise)

4753 - Spool Y-Axis moves in the opposite way respect to joystick activation (spool rise while joystick low)

4760 - At least one joystick axis and/or one spool position sensor are not in neutral position at startup

4761 - Wrong signal from joystick X-Axis or spool position sensor X or inconsistency between joystick X-Axis and SPSL1

4762 - Wrong signal from joystick Y-Axis or spool position sensor Y or inconsistency between joystick Y-Axis and SPSL2

4763 - Wrong signal from potentiometer, or wrong MSH switch cycle

4770 - Proportional valve X-axis: No current feedback

4771 - Proportional valve Y-axis: No current feedback

4772 - Proportional valve hydraulic motor: No current feedback

4773 - Proportional valve X-axis: Overload current feedback

4774 - Proportional valve Y-axis: Overload current feedback

4775 - Proportional valve hydraulic motor: Overload current feedback

4776 - Proportional valve X-axis: Current feedback too high

4777 - Proportional valve Y-axis: Current feedback too high

4778 - Proportional valve hydraulic motor: Current feedback too high

4790 - Proportional valve X-Axis: Valve MMX-A solenoid short to 12V

4791 - Proportional valve X-Axis: Valve MMX-B solenoid short to 12V

4792 - Proportional valve Y-Axis: Valve MMY-A solenoid short to 12V

4793 - Proportional valve Y-Axis: Valve MMY-B solenoid short to 12V

4794 - Motor mode: Proportional valve solenoid short to 12V

4795 - ON/OFF valve Y-Axis: Valve A1/B1 solenoid short to 12V

4796 - ON/OFF valve Y-Axis: Valve A2/B2 solenoid short to 12V

4797 - ON/OFF valve X-Axis: Valve A3/B3 solenoid short to 12V

4798 - ON/OFF valve X-Axis: Valve A4/B4 solenoid short to 12V

4799 - Motor mode: Enable valve solenoid short to 12V

4800 - Proportional valve X-Axis: Valve MMX-A solenoid short to ground

4801 - Proportional valve X-Axis: Valve MMX-B solenoid short to ground

4802 - Proportional valve Y-Axis: Valve MMY-A solenoid short to ground

4803 - Proportional valve Y-Axis: Valve MMY-B solenoid short to ground

4804 - Motor Mode: Proportional valve solenoid short to ground

4805 - ON/OFF valve Y-Axis: Valve A1/B1 solenoid short to ground

4806 - ON/OFF valve Y-Axis: Valve A2/B2 solenoid short to ground

4807 - ON/OFF valve X-Axis: Valve A3/B3 solenoid short to ground

4808 - ON/OFF valve X-Axis: Valve A4/B4 solenoid short to ground

4809 - Motor mode: Enable valve solenoid short to ground

4810 - Proportional valve X-Axis: Valve MMX-A solenoid open circuit

4811 - Proportional valve X-Axis: Valve MMX-B solenoid open circuit

4812 - Proportional valve Y-Axis: Valve MMY-A solenoid open circuit

4813 - Proportional valve Y-Axis: Valve MMY-B solenoid open circuit

4814 - Motor mode: Proportional valve solenoid open circuit

4815 - ON/OFF valve Y-Axis: Valve A1/B1 solenoid open circuit

4816 - ON/OFF valve Y-Axis: Valve A2/B2 solenoid open circuit

4817 - ON/OFF valve X-Axis: Valve A3/B3 solenoid open circuit

4818 - ON/OFF valve X-Axis: Valve A4/B4 solenoid open circuit

4819 - Motor mode: Enable valve solenoid open circuit

4820 - Proportional valve X-Axis: Valve MMX-A solenoid unstable current

4821 - Proportional valve X-Axis: Valve MMX-B solenoid unstable current

4822 - Proportional valve Y-Axis: Valve MMY-A solenoid unstable current

4823 - Proportional valve Y-Axis: Valve MMY-B solenoid unstable current

4824 - Motor Mode: Proportional Valve solenoid unstable current

4825 - ON/OFF valve Y-Axis: Valve A1/B1 solenoid unstable current

4826 - ON/OFF valve Y-Axis: Valve A2/B2 solenoid unstable current

4827 - ON/OFF valve X-Axis: Valve A3/B3 solenoid unstable current

4828 - ON/OFF valve X-Axis: Valve A4/B4 solenoid unstable current

4829 - Motor Mode: Enable Valve solenoid unstable current

4830 - Engine RPM via CAN line: Timeout reception

4840 - Sensor supply line 5V: Value too low

4841 - Sensor supply line 5V: Value too low

4842 - Sensor supply line: Open circuit

4843 - Sensor ground line: Open circuit

6011 - Permanent four-wheel drive switches and sensors supply fuse error

6014 - Short circuit between the terminals of the four-wheel drive solenoid valve

6020 - Automatic/manual four-wheel drive selector switch faulty

6021 - Four-wheel drive solenoid stuck off

6023 - Four-wheel drive solenoid circuit open

6031 - Voltage from the front shaft speed sensor (VAA) too low

6032 - Voltage from the front shaft speed sensor (VAA) too high

6033 - Voltage from the rear shaft speed sensor (VAP) too low

6034 - Voltage from the rear shaft speed sensor (VAP) too high

6035 - Frequency from the front shaft speed sensor (VAA) too high

6036 - Frequency from the rear shaft speed sensor (VAP) too high

6037 - Inconsistent sensors (VAA) and (VAP)

6038 - Voltage from tilt sensor too low.

6039 - Voltage from tilt sensor too high

6041 - Voltage from steering angle sensor too high

8007 - Short circuit to +12 V on electromagnetic clutch

8008 - Short circuit to ground or open circuit on electromagnetic clutch

8017 - Short circuit between terminals of electromagnetic clutch slip detector

8032 - Short circuit to +12 V or open circuit on electromagnetic clutch slip detector

8033 - Open circuit on front P.T.O. NC switch

8037 - Short circuit to front P.T.O. NO switch

0000 - Retrieving fault codes, Wheel Loaders

1310 - Hydraulic filter blocked

1311 - Engine Air Filter Blocked

1312 - Hydraulic oil temperature above normal

1313 - Hydraulic oil temperature too high, critical

1314 - Transmission oil temperature above normal

1315 - Transmission oil temperature too high, critical

1316 - Brake pressure below normal

1317 - Steering pressure too low

1318 - Engine coolant temperature above normal

1319 - Engine coolant temperature too high, critical

1320 - Engine oil pressure too low, critical

1321 - Engine oil pressure below normal

1322 - Engine oil pressure above normal

1323 - Battery voltage too low, critical

1324 - Battery voltage too high, critical

1325 - Engine oil temperature too high, critical

1326 - Engine coolant level low

1331 - Electrical charging system voltage too low, critical

1332 - Water detected in fuel

1333 - Engine over speed

1334 - Intake Manifold Temperature too High, Critical

1335 - Brake pressure too low, critical

1336 - Transmission oil filter blocked

3001 - Accelerator pedal angle-of-rotation potentiometer lower idle switch not plausible

3002 - Accelerator pedal angle-of-rotation potentiometer voltage too high

3003 - Accelerator pedal angle-of-rotation potentiometer voltage too low

3004 - Accelerator pedal angle-of-rotation potentiometer circuit open or sensor disconnected

3006 - Coolant Temperature Sensor - Signal Not Plausible

3007 - Coolant Temperature Sensor - Signal Above Range

3008 - Coolant Temperature Sensor - Signal Below Range Minimum

3009 - Coolant temperature sensor circuit open or sensor disconnected

3015 - Fuel Temperature Sensor - Signal Above Maximum

3016 - Fuel Temperature Sensor - Signal Below Range Minimum

3019 - Boost Pressure Sensor - Signal Above Range Maximum

3021 - Boost pressure sensor circuit open or sensor disconnected

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 sensor value too low

3029 - Oil Pressure Sensor - Short Circuit To Battery

3030 - Oil Pressure Sensor - Short Circuit To Ground

3031 - Oil Pressure Sensor - Hardware Error

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

3036 - Oil temperature sensor circuit open or sensor disconnected

3037 - Boost Pressure Sensor - Signal Low

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)

3062 - Cylinder 1 - Electronic injector , Low signal

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)

3066 - Cylinder 5 - Electronic injector , Low signal

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)

3070 - Cylinder 3 - Electronic injector , Low signal

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)

3074 - Cylinder 6 - Electronic injector , Low signal

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)

3078 - Cylinder 2 - Electronic injector , Low signal

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)

3082 - Cylinder 4 - Electronic injector , Low signal

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

3088 - Crankshaft sensor lost synchronization

3089 - Crankshaft Sensor - Invalid Signal

3090 - Phase defect of camshaft speed sensor signal detected

3091 - Camshaft sensor phase synchronization failure

3093 - Offset Between Camshaft And Crankshaft - Outside Boundaries

3095 - Operating With Camshaft Sensor Only - Backup Mode

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 - Metering unit output short circuit to battery on low side

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

3113 - Grid heater battery switch relay short circuit to battery

3114 - Grid heater battery switch relay short circuit to ground

3118 - ECM 12V sensor supply voltage high

3119 - ECM 12V sensor supply voltage low

3131 - Grid Heater Always Switched On

3137 - Metering Unit - Open Load

3138 - Metering unit signal not plausible

3141 - Set point of fuel volume flow through metering unit is lower than calculated limit

3147 - Oil Temperature Too High

3154 - Grid Heater Relay - Short Circuit To Battery

3155 - Grid Heater Relay - Short Circuit To Ground

3156 - Grid Heater Relay - No Load

3171 - Fuel rail system pressure too low

3172 - Fuel rail system pressure too high

3173 - Rail Pressure Governor Deviation Below Min. Limit for Speed

3174 - Rail Pressure Governor Deviation Exceeded Max. Limit

3175 - Fuel system leak detected - large leak

3176 - Fuel delivery exceeded threshold for pressure in overrun mode

3178 - Time-out of CAN message BC2EDC1

3179 - Time-out Of CAN Message BC2EDC2

3180 - Time-out of CAN Message VM2EDC

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

3212 - Bank 1 no signal

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

3220 - Bank 2 no signal

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

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

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

3258 - HS power stage hardware reports 'short circuit to battery' longer than 500 ms.

3259 - HS power stage hardware reports 'short circuit to ground' longer than 100 ms.

3260 - LS power stage hardware reports 'open load' longer than 100 ms

3261 - LS power stage hardware reports 'short circuit to battery' or 'excess temperature' longer than 100 ms.

3262 - LS power stage hardware reports 'short circuit to ground' longer than 100 ms.

3265 - Energizing time exceeds limit of over run monitoring, injection time too long

3266 - Error in engine speed check, speed signal not plausible

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

3998 - Unknown error

3999 - Unknown error

4113 - Logical error at FNR switch

4114 - Logical error at direction select signal

4116 - Logical error at park brake status

4117 - Logic error at direction select signal 2

4119 - Short circuit to ground at ride control

4120 - Short circuit to battery voltage at ride control

4121 - Open circuit at ride control

4133 - Short circuit to battery voltage or open circuit at temperature sensor

4134 - Short circuit to ground at temperature sensor

4135 - Short circuit to battery voltage or open circuit at converter output temperature sensor

4136 - Short circuit to ground at converter output temperature sensor

4137 - Short circuit to battery voltage or open circuit at parking brake sensor input

4145 - Short circuit to battery voltage or open circuit at engine speed sensor

4146 - Short circuit to ground at engine speed sensor

4147 - Logical error at engine speed sensor

4148 - Short circuit to battery voltage or open circuit at turbine speed sensor input

4149 - Short circuit to ground at turbine speed sensor input

4150 - Logical error at turbine speed sensor input

4151 - Short circuit to battery voltage or open circuit at intermediate speed sensor input

4152 - Short circuit to ground at intermediate speed sensor input

4153 - Logical error at intermediate speed sensor input

4154 - Short circuit to battery voltage or open circuit at output speed sensor input

4155 - Short circuit to ground at output speed sensor input

4156 - Logical error at output speed sensor input

4158 - Output speed zero, does not match other speeds

4160 - Invalid gear range restriction (CAN)

4180 - Vehicle controller timed out (CAN)

4185 - Invalid test mode signal (CAN)

4186 - Invalid park brake status (CAN)

4209 - Short circuit to battery voltage at clutch K1

4210 - Short circuit to ground at clutch K1

4211 - Open circuit at clutch K1

4212 - Short circuit to battery voltage at clutch K2

4213 - Short circuit to ground at clutch K2

4214 - Open circuit at clutch K2

4215 - Short circuit to battery voltage at clutch K3

4216 - Short circuit to ground at clutch K3

4217 - Open circuit at clutch K3

4225 - Short circuit to battery voltage at clutch K4

4226 - Short circuit to ground at clutch K4

4227 - Open circuit at clutch K4

4228 - Short circuit to battery voltage at clutch KV

4229 - Short circuit to ground at clutch KV

4230 - Open circuit at clutch KV

4231 - Short circuit to battery voltage at clutch KR

4232 - Short circuit to ground at clutch KR

4233 - Open circuit at clutch KR

4241 - Short circuit to ground at backup alarm relay

4242 - Short circuit to battery voltage at backup alarm relay

4243 - Open circuit at backup alarm relay

4273 - Slippage at clutch K1

4274 - Slippage at clutch K2

4275 - Slippage at clutch K3

4276 - Slippage at clutch K4

4277 - Slippage at clutch KV

4278 - Slippage at clutch KR

4279 - Oil temperature at valve body is above set limit

4281 - Engine speed is measured above 5,000 rpm for 0.2 seconds

4282 - TCM sensed a voltage at oil filter maintenance switch out of the allowed range (dirty filter)

4284 - Over speed output

4288 - Engine torque or engine power overload

4289 - Transmission output torque overload

4290 - Transmission input torque overload

4291 - Oil temperature at converter output is above limit

4292 - Joystick status indicator short circuit to ground

4293 - Joystick status indicator short circuit to battery voltage

4294 - Joystick status indicator open circtuit

4305 - Power supply for sensors short circuit to battery voltage

4306 - Power supply for sensors short circuit to ground

4307 - Low voltage at battery

4308 - High voltage at battery

4309 - Error at VPS 1 for solenoid power supply

4310 - Error at VPS 2 for solenoid power supply

4325 - Timeout of CAN message CL1 from cluster controller

4326 - Undefined VIN request via CAN

4337 - General EEPROM fault

4338 - Configuration error

4339 - Application error (ZF internal)

4341 - Clutch calibration fault

4342 - Clutch adjustment data lost

9128 - CAN timed out during operation

9129 - CAN timed out during operation

9130 - CAN timed out during operation

9160 - Hour Meter Failure - Both copies are wrong

9161 - Hour Meter Failure - one of two copies are wrong

9162 - Hour Meter Failure - Pre-crank and After-crank checks are wrong

1310 - Hydraulic Filter Blocked

1311 - Engine Air Filter Blocked

1312 - Hydraulic Oil Temperature Above Normal

1313 - Hydraulic Oil Temperature Too High

1324 - Battery Voltage High

1333 - Engine Overspeed

19004 - Battery voltage sensing (electrical) - Below lower limit

19010 - Temperature sensor after catalyst (electrical)

19011 - Temperature sensor after catalyst (electrical)

19019 - Catalyst Temperature Sensor Circuit High - Before Catalyst

19020 - Catalyst Temperature Sensor Circuit Low - Before Catalyst

19021 - Temperature sensor before catalyst (electrical) - signal above high error threshold

19022 - Temperature sensor before catalyst (electrical) - signal below low error threshold

19037 - Reagent - pressure sensor - Short circuit high (high supply voltage)

19038 - Reagent - pressure sensor - Short circuit low (low supply voltage)

19046 - Reagent - pressure sensor - Open circuit

19047 - Reagent - pressure sensor - Short circuit high (signal high)

19048 - Reagent - pressure sensor - Short circuit low (signal low)

19055 - Reagent - temperature sensor of pump module - Short circuit high

19056 - Reagent - temperature sensor of pump module - Short circuit low

19057 - UREA Temperature sensor in box (electrical) - signal above high error threshold Out of range

19058 - UREA Temperature sensor in box (electrical) - signal below low error threshold Out of range

19064 - Voltage supply internal heaters 1 (UB1) electrical - Internal heating Open circuit

19065 - Pump module - Internal heating - Short circuit high

19073 - Voltage supply 2 - tube heaters (UB2) electrical - Short circuit high

19074 - Voltage supply 2 - tube heaters (UB2) electrical - Short circuit low

19075 - Reagent - suction tube heating -Open Circuit

19082 - Vent valve (Reductant Purge Control Valve) - Short circuit high

19083 - Voltage supply 3 - Coolant control valve and reverting valve (UB3) electrical - Short circuit low

19084 - Vent valve (Reductant Purge Control Valve) - Short circuit low

19093 - Dosing valve/Pump motor - Above upper limit

19094 - Dosing valve/Pump motor - Below lower limit

19100 - UREA level sensor (electrical) - supply voltage error

19101 - Reagent - tank level sensor - Short circuit high

19102 - Reagent - tank level sensor - Short circuit low

19109 - Reagent - tank temperature sensor (temperature of the Reagent - solution in the tank) - Short circuit high

19110 - Reagent - tank temperature sensor (temperature of the Reagent - solution in the tank) - Short circuit low

19145 - Reductant Injector Circuit High - Dosing Valve

19146 - Reductant Injector Circuit Low - Dosing Valve

19147 - Dosing valve (electrical)

19148 - Reagent - dosing nozzle - Pressure too high - Dosing Valve

19149 - Dosing Valve (electrical) - short circuit to ground

19150 - Dosing Valve (electrical) - Dosing valve permanent "ON" - Pressure too high

19154 - Reagent-pump - Not delivering

19155 - Reagent-pump motor blocked

19156 - Reagent-pump - Over speed

19157 - Reagent-pump - Not delivering

19163 - Vent valve (Cooling Control Valve) - Short circuit high

19164 - Vent valve (Cooling Purge Control Valve) - Open circuit

19172 - Vent valve (Cooling Purge Control Valve) - Short circuit low

19181 - Vent valve (Reverting Purge Control Valve) - Short circuit high

19182 - Vent valve (Reverting Purge Control Valve) - Short circuit low

19183 - Vent valve (Reverting Purge Control Valve) - Open circuit

19184 - Reverting valve electrically - 'Short circuit to ground

19290 - Catalyst Temperature Sensor Circuit Range / Performance

19298 - UREA pressure too low at system start

19307 - Reagent Pressure Above Threshold - Urea Pressure Not Plausible (Urea Pressure Too High)

19316 - UREA Temperature in Pump Module out of range

19325 - UREA Temperature in Tank out of range

19334 - Defreezing Mode and Detection Errors (Inlet Line Defreezing Failed)

19335 - Defreezing Mode and Detection Errors (Pressure Line Defreezing Failed)

19336 - Defreezing Mode and Detection Errors (Pressure Build-up in Detection Mode Failed) Pump Module Internal Heating - Open Circuit

19337 - Defreezing Mode and Detection Errors (Back-flow Line Defreezing Failed)

19343 - Coolant Control Valve Mechanically - Mechanical Defective Blocked Open

19344 - Coolant Control Valve Mechanically - Mechanical Defective Blocked Closed

19352 - Vent Valve (Reductant Purge Control Valve) - Open Circuit, Reverting Control Valve

19361 - DCU 24V Battery / Supply Voltage - Voltage too Low

19362 - DCU 24V Battery / Supply Voltage - Voltage too high

19370 - Pump Motor Error During Commissioning - Urea Pressure Too Low

19496 - Pressure - Above threshold

19505 - Plausibility of pump module temp. sensor ; dynamic

19514 - Plausibility of urea tank temp. sensor ; dynamic

19532 - Back Flow Line Blocked, Dosing Valve - Short Circuit Low

19541 - Vent Valve Test - Plausibility Test (Start Up) Cooling Control Valve

19550 - Dosing Nozzle - Pressure Too High

19559 - Low UREA level 1 (warning)

19568 - Fluid Level In Tank - Too Low

19599 - CAN Receive Frame EEC1 (Torque Driver Demand Not In Range)

19652 - UREA Tank level error (CAN message or electrical with real sensor) - (TIMEOUT)

19653 - UREA Tank level error (too many CAN messages)

19654 - UREA Tank level error - Open circuit

19677 - Ambient Air Temperature Sensor Range/ Performance - CAN Timeout

19678 - Ambient Air Temperature Sensor Range/ Performance - Too Many CAN Messages

19679 - Ambient Temperature CAN Receive Signal (Barometric Pressure Not In Range)

19721 - EEPROM/ Checksum Failures - EEPROM Write Error

19722 - EEPROM/ Checksum Failures - No Corresponding Variant Number Error

19723 - EEPROM/ Checksum Failures - EEPROM Communication Error

19724 - EEPROM/ Checksum Failures - EEPROM Detection Error or Codierwort Error

19725 - EEPROM/ Checksum Failures - Wrong EEPROM Size

19739 - ECM/PCM Power Relay Control Circuit Open - Main Relay Shut Off Too Late

19740 - ECM/PCM Power Relay Control Circuit Open - Main Relay Short Circuit

19741 - ECM/PCM Power Relay Control Circuit Open - Main Relay Open Circuit

19742 - ECM/PCM Power Relay Control Circuit Open - Main Relay Shut Off Too Early

19748 - Temperature Sensor of Pump Module - Out of Range

19757 - Reagent Pump Not Delivering

19766 - Compressed Air Regulation Valve - Error

19775 - Plausibility of Catalyst Temperature Sensors - Plausibility Error

19784 - NOx Trap Efficiency Below Threshold

19793 - Fluid Level In Tank Too Low

19805 - UREA Tank Temperature - Open Circuit

19806 - UREA Tank Temperature sensor - Short Circuit

19813 - Urea Pressure Too Low during Urea System Operation or Dosing

19817 - Dosing Valve - Blocked (stuck open)

19818 - Plausibility of UDV (urea dosing valve) stuck - P202D dynamic urea leakage test - leakage detected

19822 - Dynamic Urea Leakage Test - Leak Detected

19999 - The Dosing Control Unit (DCU) engine fault not converted in CNH module. See the Engine Control Unit (ECU) fault codes with the EASY Tool.

3001 - Foot Throttle Sensor - Signal Not Plausible

3002 - Foot Throttle Sensor - Signal Above Range Maximum

3023 - Atmospheric Pressure Sensor - Signal Not Plausible

3024 - Atmospheric Pressure Sensor - Signal Above Range Maximum

3025 - Atmospheric Pressure Sensor - Signal Below Range Minimum

3029 - Oil Pressure Sensor - Short Circuit To Battery

3030 - Oil Pressure Sensor - Short Circuit To Ground

3031 - Oil Pressure Sensor - Hardware Error

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

3036 - Oil temperature sensor circuit open or sensor disconnected

3037 - Boost Pressure Sensor - Signal Low

3051 - Battery Voltage To Engine Controller - Voltage Too High

3060 - Cylinder 1 - Unclassifiable Error In Injector

3062 - Cylinder 1 - Electronic injector , Low signal

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

3064 - Cylinder 5 - Unclassifiable Error In Injector

3068 - Cylinder 3 - Unclassifiable Error In Injector

3070 - Cylinder 3 - Electronic injector , Low signal

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

3072 - Cylinder 6 - Unclassifiable Error In Injector

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)

3078 - Cylinder 2 - Electronic injector, Low signal

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

3080 - Cylinder 4 - Unclassifiable Error In Injector

3082 - Cylinder 4 - Electronic injector, Low signal

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

3105 - Rail Pressure Relief Valve - Pressure Shock Requested

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

3107 - Metering unit output short circuit to battery on low side

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

3113 - Grid heater battery switch relay short circuit to battery

3114 - Grid heater battery switch relay short circuit to ground

3131 - Grid Heater Always Switched On

3141 - Set point of fuel volume flow through metering unit is lower than calculated limit

3154 - Grid Heater Relay - Short Circuit To Battery

3155 - Grid Heater Relay - Short Circuit To Ground

3156 - Grid Heater Relay - No Load

3174 - Rail Pressure Governor Deviation Exceeded Max. Limit

3176 - Fuel delivery exceeded threshold for pressure in overrun mode

3210 - Bank 1 - General Short Circuit To Injector Cable

3211 - Bank 1 - 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 - Communication error of CJ940 processor

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

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

3265 - Energizing time exceeds limit of over run monitoring, injection time too long

3319 - DCU Fault Detected: Urea Tank Below 5%

3320 - DCU Fault Detected : Urea Tank Below 10%

3321 - Fault Code in DCU is active

3322 - Fault Code in DCU is active

3358 - Engine Control Unit (ECU) secondary CAN bus failure (Engine controller cannot transmit to sensors, or sensors not on CAN bus)

3368 - Indicates a Torque Limitation due to a Performance Limiter

3436 - Selective Catalytic Reduction (SCR) Inducement Locked, reset with Electronic Service Tool (EST)

3509 - Dosing Control Unit (DCU) State Monitoring - DCU not ready in time

3541 - CAN message not received from the Dosing Control Unit (DCU)

3545 - Selective Catalytic Reduction (SCR) injector overheat protection, see other fault codes

3555 - CAN message not received from the Dosing Control Unit (DCU)

3577 - DCU Fault Detected: Urea Tank Empty

3581 - Selective Catalytic Reduction (SCR) Inducement protection, fueling limited, see other fault codes.

3611 - Catalyst efficiency - moderate (level 1)

3612 - Catalyst efficiency lower than second NOx prediction threshold level

3999 - The Engine Control Unit (ECU) fault not converted in CNH module. See the ECU fault codes with the EASY Tool.

4119 - Short circuit to ground at ride control

4120 - Short circuit to battery voltage at ride control

4121 - Open circuit at ride control

4326 - Illegal ID request via CAN

4337 - General EEPROM fault

4338 - Configuration error

4339 - Application error

4341 - Clutch failure

4342 - Clutch adjustment data lost

9160 - Hour Meter Failure - Both Copies Are Wrong

9161 - Hour Meter Failure - One Of Two Copies Are Wrong

9162 - Hour Meter Failure - Pre-crank And After-crank Checks Are Wrong