

001-03 - Hydraulic Charge Pressure Switch Shorted to High Source

001-04 - "S-10" Hydraulic charge pressure input level LOW

002-03 - Hydraulic Reservoir Level Sensor Shorted to High Source

003-03 - Hydraulic Oil Temperature Switch Shorted to High Source

100-12 - ECU Recovery - Suppressed - Bad Intelligent Device or Component

102-03 - Air Filter Restriction Switch Shorted to High Source

103-02 - Terminal 15 Failure - Data Erratic, Intermittent or Incorrect

106-12 - Coolant Temperature Dynamic Failure - Bad Intelligent Device or Component

107-12 - ECU Recovery - Visible - Bad Intelligent Device or Component

111-03 - Rail Pressure Sensor Failure - Short to High Source

111-04 - Rail Pressure Sensor Failure - Short to Ground

112-03 - Offset Between Camshaft and Crankshaft - Short to B+

113-03 - Torque Reduction due to Smoke Limitation - Short to B+

114-03 - CAN A Bus Off - Short to B+

115-03 - Oil Temperature Sensor Failure - Short to B+

115-04 - Oil Temperature Sensor Failure - Short to Ground

115-12 - Oil Temperature Sensor Failure - Bad Intelligent Device or Component

116-03 - Boost Pressure Sensor Failure - Short to B+

116-04 - Boost Pressure Sensor Failure - Short to Ground

116-12 - Boost Pressure Sensor Failure - Bad Intelligent Device or Component

117-02 - Common Rail Pressure Limiting Valve Failure - Data Erratic, Intermittent or Incorrect

117-03 - Common Rail Pressure Limiting Valve Failure - Short to B+

117-04 - Common Rail Pressure Limiting Valve Failure - Short to Ground

118-03 - Oil Pressure Sensor Failure - Short to B+

118-04 - Oil Pressure Sensor Failure - Short to Ground

118-12 - Oil Pressure Sensor Failure - Bad Intelligent Device or Component

119-02 - Crankshaft Speed Signal Failure - Data Erratic, Intermittent or Incorrect

119-04 - Crankshaft Speed Signal Failure - Short to Ground

121-02 - Camshaft Speed Signal failure - Data Erratic, Intermittent or Incorrect

121-04 - Camshaft Speed Signal failure - Short to Ground

122-03 - Battery Voltage Failure - Voltage Above Normal or Shorted to High Source

122-04 - Battery Voltage Failure - Voltage Below Normal or Shorted to Low Source

123-02 - Common Rail Metering Unit Power Stage Failure - Data Erratic, Intermittent or Incorrect

123-12 - Common Rail Metering Unit Power Stage Failure - Bad Intelligent Device or Component

124-03 - Info: Engine Overspeed Protection - Short to B+

125-02 - Injector Cylinder 4 Failure - Data Erratic, Intermittent or Incorrect

125-03 - Injector Cylinder 4 Failure - Short to B+

125-12 - Injector Cylinder 4 Failure - Bad Intelligent Device or Component

126-02 - Injector Cylinder 5 Failure - Data Erratic, Intermittent or Incorrect

126-03 - Injector Cylinder 5 Failure - Short to B+

126-12 - Injector Cylinder 5 Failure - Bad Intelligent Device or Component

127-03 - CAN C Bus Off - Short to B+

128-03 - Rail Pressure Positive Deviation High and High Fuel Flow Setpoint Value - Short to B+

129-02 - Injector Cylinder 6 Failure - Data Erratic, Intermittent or Incorrect

129-03 - Injector Cylinder 6 Failure - Short to B+

129-12 - Injector Cylinder 6 Failure - Bad Intelligent Device or Component

130-03 - Rail Pressure Negative Deviation too High on Minimum Metering - Short to B+

131-03 - Rail Pressure Below Minimum Limit in Controlled Mode - Short to B+

132-03 - Rail Pressure Above Maximum Limit in Controlled Mode - Short to B+

136-03 - Rail Pressure Drop Rate too High - Short to B+

137-03 - Setpoint of Rail Metering Unit not Plausible in Overrun - Short to B+

138-02 - Injector Cylinder 1 Failure - Data Erratic, Intermittent or Incorrect

138-03 - Injector Cylinder 1 Failure - Short to B+

138-12 - Injector Cylinder 1 Failure - Bad Intelligent Device or Component

139-03 - Fuel Flow Setpoint of Common Rail Metering Unit too Low - Short to B+

143-03 - ECU Hardware: SPI Communication Failure - Short to B+

145-12 - ECU Recovery - Locked - Bad Intelligent Device or Component

146-12 - ECU Hardware: Microcontroller Watchdog Failure - Bad Intelligent Device or Component

147-03 - Overrun Monitoring Failure - Short to B+

148-02 - Injector Cylinder 1 Warning - Data Erratic, Intermittent or Incorrect

149-12 - ECU Hardware: TPU Monitoring - Bad Intelligent Device or Component

150-02 - Injector Cylinder 2 Failure - Data Erratic, Intermittent or Incorrect

150-03 - Injector Cylinder 2 Failure - Short to B+

150-12 - Injector Cylinder 2 Failure - Bad Intelligent Device or Component

151-02 - Injector Cylinder 3 Failure - Data Erratic, Intermittent or Incorrect

151-03 - Injector Cylinder 3 Failure - Short to B+

151-12 - Injector Cylinder 3 Failure - Bad Intelligent Device or Component

153-12 - ECU Hardware: Controller Watchdog Failure - Bad Intelligent Device or Component

156-03 - Redundant Engine Speed in Overrun Monitoring - Short to B+

158-02 - Injector Cylinder 2 Warning - Data Erratic, Intermittent or Incorrect

158-03 - Injector Cylinder 2 Warning - Short to B+

159-02 - Injector Cylinder 3 Warning - Data Erratic, Intermittent or Incorrect

160-02 - Injector Cylinder 4 Warning - Data Erratic, Intermittent or Incorrect

160-03 - Injector Cylinder 4 Warning - Short to B+

161-03 - Info fault: High Pressure Test (Rail Pressure Monitoring Deactivated) - Short to B+

162-03 - Coolant Temperature Sensor Failure - Short to B+

162-04 - Coolant Temperature Sensor Failure - Short to Ground

162-12 - Coolant Temperature Sensor Failure - Bad Intelligent Device or Component

163-02 - Injector Cylinder 5 Warning - Data Erratic, Intermittent or Incorrect

163-03 - Injector Cylinder 5 Warning - Short to B+

164-03 - Info: Torque Limitation Due to Engine Protection (Against Excessive Torque, Engine Overspeed and Overheat) - Short to B+

165-03 - Boost Air Temperature Sensor Failure - Short to B+

165-04 - Boost Air Temperature Sensor Failure - Short to Ground

166-02 - Injector Cylinder 6 Warning - Data Erratic, Intermittent or Incorrect

166-03 - Injector Cylinder 6 Warning - Short to B+

167-03 - Injector Bank 1 Failure - Short to B+

167-04 - Injector Bank 1 Failure - Short to Ground

167-12 - Injector Bank 1 Failure - Bad Intelligent Device or Component

168-03 - Injector Bank 2 Failure - Short to B+

168-04 - Injector Bank 2 Failure - Short to Ground

168-12 - Injector Bank 2 Failure - Bad Intelligent Device or Component

169-02 - ECU Hardware for Injection: CY33X Chip Specific Failure (1) - Data Erratic, Intermittent or Incorrect

169-03 - ECU Hardware for Injection: CY33X Chip Specific Failure (1) - Short to B+

169-04 - ECU Hardware for Injection: CY33X Chip Specific Failure (1) - Short to Ground

169-12 - ECU Hardware for Injection: CY33X Chip Specific Failure (1) - Bad Intelligent Device or Component

170-03 - Minimum Injectors Number not Reached - Short to B+

171-03 - Info: Torque Limitation Due to OBD Performance Limiter by Legislation - Short to B+

172-04 - Engine Runs With Camshaft Speed Only - Short to Ground

174-02 - ECU Hardware: EEPROM Failure - Data Erratic, Intermittent or Incorrect

174-04 - ECU Hardware: EEPROM Failure - Short to Ground

174-12 - ECU Hardware: EEPROM Failure - Bad Intelligent Device or Component

175-03 - Fuel Temperature Sensor Failure - Short to B+

175-04 - Fuel Temperature Sensor Failure - Short to Ground

176-02 - ECU Hardware: Shut Off During Initialization - Data Erratic, Intermittent or Incorrect

176-04 - ECU Hardware: Shut Off During Initialization - Short to Ground

176-12 - ECU Hardware: Shut Off During Initialization - Bad Intelligent Device or Component

177-03 - Info: Torque Limitation Due to Fuel Quantity Limitation Because of Injection System Errors - Short to B+

184-03 - Atmospheric Pressure Sensor Failure - Short to B+

184-04 - Atmospheric Pressure Sensor Failure - Short to Ground

184-12 - Atmospheric Pressure Sensor Failure - Bad Intelligent Device or Component

189-12 - Coolant Temperature Test Failure - Bad Intelligent Device or Component

190-03 - Rail Pressure Sensor Offset Monitoring - Short to B+

190-04 - Rail Pressure Sensor Offset Monitoring - Short to Ground

191-12 - Oil Pressure Too Low - Bad Intelligent Device or Component

192-12 - Oil Temperature Too High - Bad Intelligent Device or Component

193-03 - Common Rail Metering Unit Power Stage - Short to B+

194-02 - ECU Hardware for Injection: CY33X Chip Specific Failure (2) - Data Erratic, Intermittent or Incorrect

194-03 - ECU Hardware for Injection: CY33X Chip Specific Failure (2) - Short to B+

194-04 - ECU Hardware for Injection: CY33X Chip Specific Failure (2) - Short to Ground

194-12 - ECU Hardware for Injection: CY33X Chip Specific Failure (2) - Bad Intelligent Device or Component

198-04 - Common Rail Metering Unit Power Stage - Short to Ground

200-12 - Header Speed Sensor Bad Intelligent Device

300-03 - Fuel sender...voltage above normal, or shorted to high source

301-04 - Fuel Water Switch Shorted to Low Source

404-03 - MFH Position Sensor Shorted to High Source

404-04 - MFH Position Sensor Shorted to Low Source

404-14 - MFH Position Sensor Special Instructions

405-03 - Pintle Arm Position Sensor Shorted to High Source

406-03 - Propulsion Cylinder Position Pot A Shorted to High Source

406-04 - Propulsion Cylinder Position Pot A Shorted to Low Source

406-13 - Propulsion Cylinder Position Pot A and Pot B needs Calibration

407-03 - Propulsion Cylinder Position Pot B Shorted to High Source

407-04 - Propulsion Cylinder Position Pot B Shorted to Low Source

407-13 - Propulsion Cylinder Position Pot A and Pot B Needs Calibration

408-03 - MFH Neutral Switch Shorted to High Source

408-07 - MFH Neutral Switch Mechanical Out of Range

409-03 - Park Brake Switch Shorted to High Source

411-13 - Propulsion Cylinder Position Pot A Needs Calibration

412-13 - Propulsion Cylinder Position Pot A Needs Calibration

413-13 - Propulsion Cylinder Position Pot A Needs Calibration

414-13 - Propulsion Cylinder Position Pot B Needs Calibration

415-13 - Propulsion Cylinder Position Pot B Needs Calibration

416-13 - Propulsion Cylinder Position Pot B Needs Calibration

418-03 - MFH Position Sensor Shorted to High Source

418-04 - MFH Position Sensor Shorted to Low Source

418-13 - MFH Position Sensor Needs Calibration

419-03 - MFH Position Sensor Shorted to High Source

419-04 - MFH Position Sensor Shorted to Low Source

419-07 - MFH Position Sensor Mechanical Out of Range

419-13 - MFH Position Sensor Needs Calibration

420-03 - MFH Position Sensor Shorted to High Source

420-04 - MFH Position Sensor Shorted to Low Source

420-07 - MFH Position Sensor Mechanical Out of Range

420-13 - MFH Position Sensor Needs Calibration

421-03 - MFH Position Sensor Shorted to High Source

421-04 - MFH Position Sensor Shorted to Low Source

421-13 - MFH Position Sensor Needs Calibration

424-03 - Propulsion Forward Solenoid L-14p Shorted to High Source

424-04 - Propulsion Forward Solenoid L-14p Shorted to Low Source

424-13 - Propulsion Forward Coil Needs Calibration

425-03 - Propulsion Forward Solenoid L-14t Shorted to High Source

425-04 - Propulsion Forward Solenoid L-14t Shorted to Low Source

425-13 - Propulsion Forward Coil Needs Calibration

426-03 - Propulsion Reverse Solenoid L-15p Shorted to High Source

426-04 - Propulsion Reverse Solenoid L-15p Shorted to Low Source

426-13 - Propulsion Reverse Coil Needs Calibration

427-03 - Propulsion Reverse Solenoid L-15t Shorted to High Source

427-04 - Propulsion Reverse Solenoid L-15t Shorted to Low Source

427-13 - Propulsion Reverse Coil Needs Calibration

428-03 - Propulsion Cylinder Position Sensor R-23A Shorted to High Source

429-03 - Propulsion Cylinder Position Sensor R-23A Shorted to High Source

430-03 - Propulsion Cylinder Position Sensor R-23A Shorted to High Source

431-03 - MFH Position Sensor R-18 Shorted to High Source

432-03 - MFH Position Sensor R-18 Shorted to High Source

433-03 - Propulsion Cylinder Shorted to High Source

434-03 - Propulsion Cylinder Shorted to High Source

435-03 - Propulsion Enable Relay K-35 Shorted to High Source

435-04 - Propulsion Enable Relay K-35 Shorted to Low Source