

Harley Davidson Softail 2018 - 2020 Diagnostic Trouble Codes

Body Control Module - BCM - DTCs

B1101 206 LHCM turn signal bulb out - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B1103 47 LHCM internal error - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B1151 205 RHCM turn signal bulb out - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B1153 46 RHCM internal error - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B1200 37 IM internal fault - Instruments → NO INSTRUMENT POWER DIAGNOSTICS
B1201 40 Internal fault - default cal - Instruments → NO INSTRUMENT POWER DIAGNOSTICS
B1214 316 External indicator bar short to battery - Instruments → INDICATOR LAMPS
B1215 317 External indicator bar open load - Instruments → INDICATOR LAMPS
B1216 318 External indicator bar short to ground - Instruments → INDICATOR LAMPS
B2102 4 System power output shorted high - Engine Management → SYSTEM POWER CIRCUIT DIAGNOSTICS
B2103 5 System power output shorted low - Engine Management → SYSTEM POWER CIRCUIT DIAGNOSTICS
B2104 6 System power output overloaded - Engine Management → SYSTEM POWER CIRCUIT DIAGNOSTICS
B2106 257 L4 output open - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2107 225 L4 output shorted high - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2108 226 L4 output shorted low - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2109 227 L4 output overloaded - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2112 132 ACC output shorted high - Accessories, Horn, Lighting and Security → ACC CIRCUIT DIAGNOSTICS
B2113 134 ACC output shorted low - Accessories, Horn, Lighting and Security → ACC CIRCUIT DIAGNOSTICS
B2114 136 ACC output overloaded - Accessories, Horn, Lighting and Security → ACC CIRCUIT DIAGNOSTICS
B2116 92 Fuel pump output open - Engine Management → FUEL PUMP DIAGNOSTICS
B2117 93 Fuel pump output shorted high - Engine Management → FUEL PUMP DIAGNOSTICS
B2118 94 Fuel pump output shorted low - Engine Management → FUEL PUMP DIAGNOSTICS
B2119 95 Fuel pump output overloaded - Engine Management → FUEL PUMP DIAGNOSTICS
B2121 58 Starter output open - Starting and Charging → STARTER OUTPUT DTCS
B2122 59 Starter output shorted high - Starting and Charging → STARTER OUTPUT DTCS
B2123 60 Starter output shorted low - Starting and Charging → STARTER OUTPUT DTCS
B2124 61 Starter output overloaded - Starting and Charging → STARTER OUTPUT DTCS
B2127 243 E4 output shorted high - Accessories, Horn, Lighting and Security → HORN DIAGNOSTICS
B2128 244 E4 output shorted low - Accessories, Horn, Lighting and Security → HORN DIAGNOSTICS
B2129 245 E4 output overloaded - Accessories, Horn, Lighting and Security → HORN DIAGNOSTICS
B2131 233 High beam output open - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2132 234 High beam output shorted high - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2133 235 High beam output shorted low - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2134 236 High beam output overloaded - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2136 229 Low beam output open - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2137 230 Low beam output shorted high - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2138 231 Low beam output shorted low - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2139 232 Low beam output overloaded - Accessories, Horn, Lighting and Security → HEADLAMP DIAGNOSTICS
B2141 207 Left front turn signal output open - Accessories, Horn, Lighting and Security → FRONT TURN SIGNAL DIAGNOSTICS
B2143 214 Left front turn signal output shorted low - Accessories, Horn, Lighting and Security → FRONT TURN SIGNAL DIAGNOSTICS
B2144 215 Left front turn signal output overloaded - Accessories, Horn, Lighting and Security → FRONT TURN SIGNAL DIAGNOSTICS
B2146 216 Right front turn signal output open - Accessories, Horn, Lighting and Security → FRONT TURN SIGNAL DIAGNOSTICS
B2148 217 Right front turn signal output shorted low - Accessories, Horn, Lighting and Security → FRONT TURN SIGNAL DIAGNOSTICS
B2149 218 Right front turn signal output overloaded - Accessories, Horn, Lighting and Security → FRONT TURN SIGNAL DIAGNOSTICS
B2151 219 Left rear turn signal output open - Accessories, Horn, Lighting and Security → REAR TURN SIGNAL DIAGNOSTICS
B2153 220 Left rear turn signal output shorted low - Accessories, Horn, Lighting and Security → REAR TURN SIGNAL DIAGNOSTICS
B2154 221 Left rear turn signal output overloaded - Accessories, Horn, Lighting and Security → REAR TURN SIGNAL DIAGNOSTICS
B2156 222 Right rear turn signal output open - Accessories, Horn, Lighting and Security → REAR TURN SIGNAL DIAGNOSTICS
B2158 223 Right rear turn signal output shorted low - Accessories, Horn, Lighting and Security → REAR TURN SIGNAL DIAGNOSTICS
B2159 224 Right rear turn signal output overloaded - Accessories, Horn, Lighting and Security → REAR TURN SIGNAL DIAGNOSTICS
B2161 198 Brake lamp output open - Accessories, Horn, Lighting and Security → STOP LAMP DIAGNOSTICS
B2163 199 Brake lamp output shorted low - Accessories, Horn, Lighting and Security → STOP LAMP DIAGNOSTICS
B2164 200 Brake lamp output overloaded - Accessories, Horn, Lighting and Security → STOP LAMP DIAGNOSTICS
B2168 172 Running lights output shorted low - Accessories, Horn, Lighting and Security → RUNNING LAMP DIAGNOSTICS
B2169 173 Running lights output overloaded - Accessories, Horn, Lighting and Security → RUNNING LAMP DIAGNOSTICS
B2172 237 H2 output shorted high - Accessories, Horn, Lighting and Security → ALARM DIAGNOSTICS
B2173 238 H2 output shorted low - Accessories, Horn, Lighting and Security → ALARM DIAGNOSTICS
B2176 239 Security antenna output open - Accessories, Horn, Lighting and Security → SECURITY ANTENNA DIAGNOSTICS
B2177 240 Security antenna output shorted high - Accessories, Horn, Lighting and Security → SECURITY ANTENNA DIAGNOSTICS
B2178 241 Security antenna output shorted low - Accessories, Horn, Lighting and Security → SECURITY ANTENNA DIAGNOSTICS
B2183 249 G2 output shorted low - Accessories, Horn, Lighting and Security → DTC B2183,

B2188, B2193, B2198
B2188 254 G3 output shorted low - Accessories, Horn, Lighting and Security → DTC B2183,
B2188, B2193, B2198
B2193 257 H4 output shorted low - Accessories, Horn, Lighting and Security → DTC B2183,
B2188, B2193, B2198
B2198 259 H3 output shorted low - Accessories, Horn, Lighting and Security → DTC B2183,
B2188, B2193, B2198
B2206 51 Run/stop switch input open/shorted high - Starting and Charging → ENGINE STOP SWITCH DTCS
B2208 54 Run/stop switch input shorted low - Starting and Charging → ENGINE STOP SWITCH DTCS
B2210 55 Run/stop switch inputs both open - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2212 56 Run/stop switch inputs both closed - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2218 131 Neutral switch shorted low - Accessories, Horn, Lighting and Security → NEUTRAL SWITCH DIAGNOSTICS
B2223 197 Rear brake switch shorted low (light on) - Accessories, Horn, Lighting and Security → STOP LAMP DIAGNOSTICS
B2226 247 BAS input open BCM not configured properly.
B2228 250 BAS input shorted low BCM not configured properly.
B2250 128 Clutch switch stuck - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2251 242 Horn switch stuck - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2253 228 FTP switch stuck - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2254 203 Left turn switch stuck - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2255 246 Trip switch stuck - Instruments → Trip Odometer Functions Inoperative, DTC B2255
B2259 206 Aux lamp switch stuck - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2260 57 Start switch stuck - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2261 204 Right turn switch stuck - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2262 196 Front brake switch stuck - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2263 202 Hazard switch stuck - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2270 27 BCM internal error - Accessories, Horn, Lighting and Security → SWITCH DIAGNOSTICS
B2271 26 BCM voltage low - Starting and Charging → BCM VOLTAGE DTCS
B2272 33 BCM/IM voltage high - Starting and Charging → BCM VOLTAGE DTCS
B2274 49 Constant battery line error - Serial Data → Odometer Self-Diagnostic Inoperative: DTC U0001, U0011, B2274

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Antilock Braking System - ABS Module - DTCs

C0562 38 ABS voltage low - Starting and Charging → ABS VOLTAGE DIAGNOSTICS
C0563 40 ABS voltage high - Starting and Charging → ABS VOLTAGE DIAGNOSTICS
C1014 183 ABS ECU relay error - ABS → INTERNAL FAULT DIAGNOSTICS
C1021 191 ABS front WSS always zero - ABS → WSS DIAGNOSTICS
C1023 192 ABS rear WSS always zero - ABS → WSS DIAGNOSTICS
C1025 194 ABS front wheel speed intermittent - ABS → WSS DIAGNOSTICS
C1027 195 ABS rear wheel speed intermittent - ABS → WSS DIAGNOSTICS
C1029 193 ABS wheel speed difference too high - ABS → WSS DIAGNOSTICS
C1032 189 ABS front wheel speed circuit open/shorted - ABS → WSS DIAGNOSTICS
C1034 190 ABS rear wheel speed circuit open/shorted - ABS → WSS DIAGNOSTICS
C1040 184 ABS pump/motor error - ABS → INTERNAL FAULT DIAGNOSTICS
C1055 39 ABS ECU internal error - ABS → INTERNAL FAULT DIAGNOSTICS
C1061 185 ABS front apply solenoid circuit open/high resistance - ABS → INTERNAL FAULT DIAGNOSTICS
C1062 187 ABS front release solenoid circuit open/high resistance - ABS → INTERNAL FAULT DIAGNOSTICS
C1065 186 ABS rear apply solenoid circuit open/high resistance - ABS → INTERNAL FAULT DIAGNOSTICS
C1066 188 ABS rear release solenoid circuit open/high resistance - ABS → INTERNAL FAULT DIAGNOSTICS
C1159 43 ABS invalid stored VIN - ABS → INVALID VIN DIAGNOSTICS
C1178 41 ABS no VIN received from ECM - ABS → INVALID VIN DIAGNOSTICS
C1184 42 ABS invalid VIN from ECM - ABS → INVALID VIN DIAGNOSTICS

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Electronic Control Module - ECM - DTCs

P0031 153 Front HO2S low/open - Engine Management → HO2S DIAGNOSTICS
P0032 156 Front HO2S shorted high - Engine Management → HO2S DIAGNOSTICS
P0051 154 Rear HO2S low/open - Engine Management → HO2S DIAGNOSTICS
P0052 155 Rear HO2S shorted high - Engine Management → HO2S DIAGNOSTICS
P0107 100 MAP sensor failed low/open - Engine Management → TMAP SENSOR DIAGNOSTICS
P0108 101 MAP sensor failed high/open port - Engine Management → TMAP SENSOR DIAGNOSTICS

P0112 123 IAT sensor shorted low - Engine Management → TMAP SENSOR DIAGNOSTICS
P0113 125 IAT sensor high/open - Engine Management → TMAP SENSOR DIAGNOSTICS
P0117 102 ET sensor shorted low - Engine Management → ET SENSOR DIAGNOSTICS
P0118 107 ET sensor high/open - Engine Management → ET SENSOR DIAGNOSTICS
P0120 76 TPS 1 range error - Engine Management → TCA DIAGNOSTICS
P0122 74 TPS 1 low - Engine Management → TCA DIAGNOSTICS
P0123 75 TPS 1 high/open - Engine Management → TCA DIAGNOSTICS
P0131 157 O2 sensor low/engine lean (front) - Engine Management → HO2S DIAGNOSTICS
P0132 159 Engine running rich (front) - Engine Management → HO2S DIAGNOSTICS
P0134 161 Oxygen sensor high/open (front) - Engine Management → HO2S DIAGNOSTICS
P0151 158 O2 sensor low/engine lean (rear) - Engine Management → HO2S DIAGNOSTICS
P0152 160 Engine running rich (rear) - Engine Management → HO2S DIAGNOSTICS
P0154 162 O2 sensor high/open (rear) - Engine Management → HO2S DIAGNOSTICS
P0220 79 TPS 2 range error - Engine Management → TCA DIAGNOSTICS
P0222 77 TPS 2 low/open - Engine Management → TCA DIAGNOSTICS
P0223 78 TPS 2 high - Engine Management → TCA DIAGNOSTICS
P0261 96 Fuel injector low/open (front) - Engine Management → FUEL INJECTOR DIAGNOSTICS
P0262 97 Fuel injector shorted high (front) - Engine Management → FUEL INJECTOR DIAGNOSTICS
P0264 98 Fuel injector low/open (rear) - Engine Management → FUEL INJECTOR DIAGNOSTICS
P0265 99 Fuel injector shorted high (rear) - Engine Management → FUEL INJECTOR DIAGNOSTICS
P0325 139 Knock sensor front open circuit - Engine Management → KNOCK SENSOR DIAGNOSTICS
P0327 140 Knock sensor front circuit low - Engine Management → KNOCK SENSOR DIAGNOSTICS
P0328 141 Knock sensor front circuit high - Engine Management → KNOCK SENSOR DIAGNOSTICS
P0330 142 Knock sensor rear open circuit - Engine Management → KNOCK SENSOR DIAGNOSTICS
P0332 143 Knock sensor rear circuit low - Engine Management → KNOCK SENSOR DIAGNOSTICS
P0333 144 Knock sensor rear circuit high - Engine Management → KNOCK SENSOR DIAGNOSTICS
P0371 65 CKP sensor wrong number of pulses - Engine Management → CKP SENSOR DIAGNOSTICS
P0374 64 CKP sensor no pulses - Engine Management → CKP SENSOR DIAGNOSTICS
P0444 147 Purge solenoid low/open - Engine Management → PURGE SOLENOID DIAGNOSTICS
P0445 148 Purge solenoid shorted high - Engine Management → PURGE SOLENOID DIAGNOSTICS
P0462 174 Fuel sender shorted low - Instruments → FUEL LEVEL DIAGNOSTICS
P0463 175 Fuel sender shorted high/open - Instruments → FUEL LEVEL DIAGNOSTICS
P0502 137 VSS failed low - Engine Management → PURGE SOLENOID DIAGNOSTICS
P0503 138 VSS failed high - Engine Management → VSS DIAGNOSTICS
P0505 148 Idle speed control - unstable - Engine Management → IDLE SPEED CONTROL DIAGNOSTICS
P0522 168 Engine oil pressure sensor/switch shorted low - Instruments → INDICATOR LAMPS
P0523 169 Engine oil pressure sensor/switch shorted high/open - Instruments → INDICATOR LAMPS
P0562 127 ECM voltage low - Starting and Charging → BATTERY AND SYSTEM VOLTAGE DIAGNOSTICS
P0563 34 ECM voltage high - Starting and Charging → BATTERY AND SYSTEM VOLTAGE DIAGNOSTICS
P0572 202 Brake switch low - Accessories, Horn, Lighting and Security → BRAKE SWITCH DIAGNOSTICS
P0577 163 Cruise control input error - Accessories, Horn, Lighting and Security → Cruise Control
P0603 29 ECM EEPROM memory error - Engine Management → ECM INTERNAL DIAGNOSTICS
P0605 28 ECM FLASH memory error - Engine Management → ECM INTERNAL DIAGNOSTICS
P0641 62 5 Volt reference out of range - Engine Management → 5V REFERENCE DIAGNOSTICS
P0651 63 5 Volt reference 2 out of range - Engine Management → 5V REFERENCE DIAGNOSTICS
P1009 32 VTD disabled fuel due to bad password - Engine Management → DTC P1009
P1270 67 TGS 2 A/D validation error - Engine Management → DTC P1270
P1501 166 JSS low - Engine Management → JSS DIAGNOSTICS
P1502 167 JSS high/open - Engine Management → JSS DIAGNOSTICS
P1505 445 Power limit violation - Engine Management → HESITATION OR LOSS OF POWER
P1510 447 ETC limited performance mode - Engine Management → ETC MANAGEMENT DIAGNOSTICS
P1511 448 ETC power management mode - Engine Management → ETC MANAGEMENT DIAGNOSTICS
P1512 449 ETC forced idle mode - Engine Management → ETC MANAGEMENT DIAGNOSTICS
P1514 87 ETC airflow error - Engine Management → ETC ERROR DIAGNOSTICS
P1600 66 ETC watchdog error - Engine Management → ETC ERROR DIAGNOSTICS
P1655 164 ACR solenoid low/open - Engine Management → ACR Diagnostics
P1656 165 ACR solenoid shorted high - Engine Management → ACR Diagnostics
P2100 82 ETC driver open circuit - Engine Management → ETC ACTUATOR DIAGNOSTICS
P2101 83 ETC actuation error - Engine Management → ETC ACTUATOR DIAGNOSTICS
P2102 84 ETC driver shorted low - Engine Management → ETC ACTUATOR DIAGNOSTICS
P2103 85 ETC driver shorted high - Engine Management → ETC ACTUATOR DIAGNOSTICS
P2105 446 ETC forced shutdown mode - Engine Management → DTC P2105, P2107
P2107 68 ETC driver internal error - Engine Management → DTC P2105, P2107
P2119 81 ETC actuator return error - Engine Management → DTC P2119
P2122 69 TGS 1 low/open - Engine Management → TGS DIAGNOSTICS

P2123 70 TGS 1 high - Engine Management → TGS DIAGNOSTICS
P2127 71 TGS 2 low/open - Engine Management → TGS DIAGNOSTICS
P2128 72 TGS 2 high - Engine Management → TGS DIAGNOSTICS
P2135 80 TPS correlation error - Engine Management → CORRELATION ERROR DIAGNOSTICS
P2138 73 TGS correlation error - Engine Management → CORRELATION ERROR DIAGNOSTICS
P2176 86 ETC zero position learning error - Engine Management → DTC P2176
P2300 88 Ignition coil driver low/open (front) - Engine Management → IGN COIL DRIVER DIAGNOSTICS
P2301 89 Ignition coil driver shorted high (front) - Engine Management → IGN COIL DRIVER DIAGNOSTICS
P2303 90 Ignition coil driver low/open (rear) - Engine Management → IGN COIL DRIVER DIAGNOSTICS
P2304 91 Ignition coil driver shorted high (rear) - Engine Management → IGN COIL DRIVER DIAGNOSTICS

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CAN BUS Communication Failures - DTCs

U0001 1 CAN BUS error - Serial Data → Odometer Self-Diagnostic Inoperative: DTC U0001, U0011, B2274
U0002 16 CAN comm bus perf error - Serial Data → Odometer Self-Diagnostic Inoperative: DTC U0001, U0011, B2274
U0003 13 Network management monitoring - Serial Data → NO VEHICLE POWER OR LOST COMMUNICATION DTCS
U0011 2 CAN bus low shorted to CAN bus high - Serial Data → Odometer Self-Diagnostic Inoperative: DTC U0001, U0011, B2274
U0100 7 Lost comm w/ECM - Serial Data → NO VEHICLE POWER OR LOST COMMUNICATION DTCS
U0121 11 Lost comm w/ABS - Serial Data → NO VEHICLE POWER OR LOST COMMUNICATION DTCS
U0140 3 Lost comm w/BCM - Serial Data → NO VEHICLE POWER OR LOST COMMUNICATION DTCS
U0141 9 Lost comm w/LHCM - Serial Data → NO VEHICLE POWER OR LOST COMMUNICATION DTCS
U0142 8 Lost comm w/RHCM - Serial Data → NO VEHICLE POWER OR LOST COMMUNICATION DTCS
U0156 10 Lost comm w/speedo - Serial Data → NO VEHICLE POWER OR LOST COMMUNICATION DTCS
U0157 14 Lost comm w/tach - Serial Data → NO VEHICLE POWER OR LOST COMMUNICATION DTCS
U0300 15 Internal control module software incompatibility - Serial Data → NO VEHICLE POWER OR LOST COMMUNICATION DTCS