

Diagnostic Trouble Codes

Here are all Harley trouble codes (DTC: Diagnostic Trouble Codes) on a pile that are known to me. There are four types of error messages. The B (body codes), P (Powertrain), C (chassis) and the U group. The individual error messages can be stored in different devices. In the ECU, the TSM / TSSM, the speedometer, the BCM, the tachometer (if any) and the ABS.

The B group are all mistakes that deal with the current circuit (battery, ignition and starter).

The "b" sees on the display of times as a "6".

The Metro Group all error about the serial data link EFI.

The C group are all errors around the ABS.

The P group are all the others.

With the advent of the CAN bus Bikes (Softail '11), the B-group has been massively expanded since the BCM (Body Control Module) is very detailed error messages on all switches, lights, and turn signals. In addition, there are some (few) overlap in the P and C groups with the codes used previously. In this case, I have the meaning of the error code from before the CAN bus specially marked.

In italics, the German translation is added, which I made in good faith.

Specific error messages:

TIP bank angle sensor, Tip Over Condition. Tilt sensor, the bike is on the side or the TSM / TSSM hangs loosely obliquely on the cable and the bike will not start

He BUS serial data bus shorted / low / open / high. Serial data bus is shorted or no contact

no rSP Tachometer Malfunction. Malfunction of the tachometer / speedometer (also appears if you want to read the error codes with parked kill switch). In Softail models with a tachometer connected as an accessory, in the tachometer self-diagnosis "no rsp" is displayed when the tachometer module is selected, since a is supplied as an accessory connected tachometer not via the serial data bus.

Sidestand The machine was turned off because the stand is outside and a gear has been engaged

V IN ER voltage error tachometer (sometimes reads the error also INVERT V). The newer speedometer with tachometer sometimes have problems with low on-board voltage during cranking (when the battery is low). Then the memory contents become confused. This can lead to, for example, the machine will not boot when it is warm. Remove Plus pole of the battery 10 Sec: solution. wait your turn again positive.

NO CAL lack of calibration of the speedometer. Occurs only if you have changed the speedometer or uses a ThunderMax.

ERR Incorrect VIN VIN. The VIN of the ECU does not correspond to that which is entered in the speedometer. Happens with a new ECU or a ThunderMax.

Group B: Power circuit (battery, ignition and starter)

B0562 Battery Voltage Low TSM / TSSM battery voltage is too low

B0563 Battery Voltage High TSM / TSSM battery voltage is too high, voltage regulator, battery charger

B1004 Fuel Level Sending Unit Instruments Low fuel level sensor without contact

B1005 Fuel Level Sending Unit High / Open instrument tank level sensor short circuit

B1006 Accessory Line Overvoltage Instruments surge in the line of auxiliary equipment

B1007 Ignition Line Overvoltage Instruments surge in the ignition circuit

B1008 Reset Switch Closed Instruments trip reset button "hangs"

B1121 Left Turn Output Fault TSM / TSSM Left turn signal does not work

B1122 Right Turn Output fault TSM / TSSM right turn signal does not work

B1123 Left Turn Output Short to Ground TSM / TSSM left turn signal has a short to ground

B1124 Right Turn Output Short to Ground TSM / TSSM right turn signal has a short to ground

B1125 Left Turn Output Short to Battery TSM / TSSM left turn signal has short to battery

B1126 Right Turn Output Short to Battery TSM / TSSM indicator right has short to battery

B1131 alarm output is low TSSM alarm output without contact

B1132 Alarm Output High TSSM alarm output short circuit

B1134 Starter Output High TSM / TSSM starter relay short circuit

Accelerometer B1135 Fault TSM / TSSM defective alarm accelerometer

B1136 Accelerometer Tip TestError TSSM alarm acceleration sensor does not respond

B1141 Ignition switch open / low TSSM Züenschloss without contact

B1142 Smart Security System Internal Fault Alarm TSSM internal error

Antenna Short to Ground B1143 Security Alarm TSSM antenna shortcut mass

Security B1144 Antenna Short to Battery TSSM alarm antenna short circuit battery

Security B1145 Antenna Open TSSM alarm antenna without contact

B1151 (Sidecar) BAS Low TSM / TSSM tilt sensor without contact

B1152 (Sidecar) BAS High TSM / TSSM tilt sensor short circuit

B1153 (Sidecar) BAS Out of Range TSM / TSSM tilt sensor data outside the parameters

B1154 Clutch Switch Input Short to Ground clutch switch Short-circuit weight (clutch pulled more than 60 sec and faster than 16km / h)

B1155 Neutral Switch Input Short to Ground Neutral switch Short-circuit weight (roles idle longer than 60 sec and faster than 16km / h)

radio Diagnostic

The following error codes (B2006-B2027) for the radio-diagnostics are displayed by the radio itself. In order to view this, you first press the "Eject" button of the CD unit. While any two keys pressed keeps (softkeys 1 to 6), you can switch the ignition ON.

The diagnosis code will be shown on the display of the radio. In the display there are the options Diag test with the above will show the errors AVC with you the SpeedPulse or J1850 specifies data that the speed-dependent volume works and Calibr., At denenman the

Calibration Data I, J, V, H is replaced. The appendix is a detailed .PDF document on this subject.

B2006 radio switch stuck open or switch radio clamps, $t > = 15$ sec

B2007 Handlebar switch shorted high handlebar switch Radio Short mass Ignition ON
Ignition OFF for at least after 10 sec., T = instantaneous

B2008 Handlebar switch shorted low switch radio link short-circuit the battery, ignition ON
after Ignition OFF for at least 10 sec., T = instantaneous

B2009 Handlebar switch stuck open or switch radio handlebar clamps, $t > = 15$ sec

B2010 Passenger switch SW Radio passenger shorted high short-circuit ground, Ignition
ON Ignition OFF for at least after 10 sec.

B2011 Passenger switch SW Radio passenger shorted low short-circuit the battery, ignition
ON after Ignition OFF for at least 10 seconds.

B2012 Passenger switch stuck open or switch Radio passenger clamps, $t > = 15$ sec

B2013 Sidecar shorted switch SW Radio sidecar high short-circuit ground, Ignition ON
Ignition OFF for at least after 10 sec.

B2014 Sidecar switch SW Radio shorted low side car battery short circuit, Ignition ON
Ignition OFF for at least after 10 sec.

B2015 Sidecar switch stuck open or switch radio sidecar clamps, $t > = 15$ sec

B2016 Front speaker Front speaker shorted short circuit, $R < 1.5$ Ohms tested once per
ignition cycle $R > 1.0$ Ohm When setup as line out ignition ON after Ignition OFF for at least
10 seconds.

B2017 Front speaker Front speaker opened without contact, $R > 100$ Ohms tested once per
ignition cycle ignition ON after Ignition OFF for at least 10 seconds.

B2018 Front speaker Front speaker shorted to ground short to ground, Ignition ON Ignition
OFF for at least after 10 sec.

B2019 Front speaker Front speaker shorted to battery short circuit to battery Ignition ON
Ignition OFF for at least after 10 sec.

B2020 Rear speaker Rear speaker shorted Kurzschluss $R < 1.5$ Ohms tested once per
ignition cycle $R > 1.0$ Ohm When setup as line out ignition ON after Ignition OFF for at least
10 seconds.

B2021 Rear speaker Rear speaker opened sec without contact, $R > 100$ Ohms tested once per
ignition cycle ignition ON after Ignition OFF for at least 10.

B2022 Rear speaker Rear speaker shorted to ground short to ground, Ignition ON Ignition
OFF for at least after 10 sec.

B2023 Rear speaker Rear speaker shorted to battery short circuit to battery Ignition ON
Ignition OFF for at least after 10 sec.

B2024 speaker shorted Sidecar Sidecar speakers Kurzschluss $R < 1.5$ Ohms tested once per
ignition cycle $R > 1.0$ Ohm When setup as line out ignition ON after Ignition OFF for at least
10 seconds.

B2025 speaker opened Sidecar Sidecar speakers sec without contact, $R > 100$ Ohms tested
once per ignition cycle ignition ON after Ignition OFF for at least 10.

B2026 Sidecar speaker shorted to ground sidecar speaker short to ground, Ignition ON
Ignition OFF for at least after 10 sec.

B2027 Sidecar speaker shorted to battery side car speaker short circuit to battery Ignition
ON Ignition OFF for at least after 10 sec.

Calibration Data Radio

I = Intercom: 0 = Disabled; 1 = Enabled

J = J1850: 0 = Disabled; 1 = Enabled

V = Vehicle Speed Input: 0 = Low; 1 = High (1998-2005 Only)

H = Hardware Revision

BCM codes

There are now new B-codes that are generated by the body control module (BCM), which is used with the CAN bus.

Defective turn signal bulb out LHCM B1101 Left BlinkerControllmodul, blinking left

B1103 LHCM internal fault Left BlinkerControllmodul, internal error

Defective turn signal bulb B1151 RHCM out right BlinkerControllmodul, flashing display to the right

B1153 RHCM internal fault law BlinkerControllmodul, internal error

B1200 instrument internal fault instruments, internal error

B1210 Fuel sender shorted low / fuel gauge fuel level sensor circuit open not connected

B1211 Fuel sender shorted high / open fuel level sensor shorted to positive or ground

B2102 system power output shorted high circuit system short circuit Plus

B2103 system power output shorted low circuit system short-circuit ground

B2104 system power output overloaded circuit system overloaded

B2107 front position / running high power output shorted ignition circuit Short circuit Plus

B2108 front position / running power output shorted low ignition circuit short-circuit weight

B2109 front position / running power output overloaded circuit ignition overloaded

B2112 Accessory output shorted high circuit Accessory Short Plus

B2113 Accessory output shorted low Accessory circuit short-circuit ground

B2114 Accessory output overloaded circuit Accessory overloaded

B2116 FUELPUMP output open circuit fuel pump open

B2117 FUELPUMP output shorted high circuit Fuel pump short circuit Plus

B2118 FUELPUMP output shorted low circuit Fuel pump short circuit ground

Overloaded B2119 FUELPUMP output overloaded circuit petrol pump

B2121 Starter Output Open / BCM Malfunction starter circuit open

B2122 starter output shorted high circuit short circuit starter Plus

B2123 starter output shorted low starter circuit short-circuit ground

B2124 starter output overloaded circuit starter overload

B2126 Horn output open circuit open horn

B2127 Horn output shorted high circuit short circuit starter Plus

B2128 Horn output shorted low starter circuit short-circuit ground

Overloaded B2129 Horn output overloaded circuit Starter

B2131 High Beam output open circuit high beam open

B2132 High Beam output shorted high circuit high beam Short Plus

B2133 High Beam output shorted low high beam circuit short-circuit ground

Overloaded B2134 High Beam output overloaded circuit high beam

B2136 Low Beam output open circuit low beam open

B2137 Low Beam output shorted high low beam circuit short circuit Plus

B2138 Low Beam output shorted low low beam circuit short-circuit ground

Overloaded B2139 Low Beam output overloaded circuit low beam

B2141 Left front turn signal output open circuit Indicator front left open

B2143 Left front turn signal output shorted low Circuit Indicator front left short mass

Overloaded B2144 Left front turn signal output overloaded circuit Indicator front left

B2146 Right front turn signal output open circuit Indicator front right open

B2148 Right front turn signal output shorted low Circuit Indicator front right short-circuit weight

Overloaded B2149 Right front turn signal output overloaded circuit Indicator front right

B2151 Left rear turn signal output open circuit Indicator rear left open

B2153 Left rear turn signal output shorted low Circuit Indicator rear left short mass

Overloaded B2154 Left rear turn signal output overloaded circuit Indicator rear left

B2156 Right rear turn signal output open circuit Indicator rear right open

B2158 Right rear turn signal output shorted low circuit indicator right rear short-circuit weight

Overloaded B2159 Right rear turn signal output overloaded circuit Indicator rear right

B2161 Brake lamp output open circuit brake light open

B2163 Brake lamp output shorted low brake light circuit short-circuit ground

Overloaded B2164 Brake lamp output overloaded circuit brake light

B2166 Running lights output open circuit auxiliary lights open

B2168 Running lights signal output shorted low circuit auxiliary headlight short mass

Overloaded B2169 RRunning lights signal output overloaded circuit auxiliary lights

B2172 Security siren output shorted high siren circuit short circuit Plus

B2173 Security siren output shorted low siren circuit short-circuit ground

B2176 Security antenna output open circuit alarm antenna open

B2177 Security antenna output shorted high alarm circuit antenna Short Plus

B2178 Security antenna output shorted low alarm circuit antenna shortcut mass

B2203 Ignition switch input shorted low input ignition switch short circuit ground

B2206 Engine stop switch switch input open / shorted high engine stop switch (link) without contact / short circuit Plus

B2208 Engine stop switch input shorted low engine stop switch (handlebar) Short-circuit weight

B2218 Neutral switch shorted low neutral switch short circuit ground

B2223 Rear Brake switch shorted low brake switch back ground short circuit

B2250 Clutch switch stuck switch coupling clamps

B2251 horn switch stuck switch horn clamps

B2252 High beam switch stuck switch high beam clamps

B2253 low beam switch stuck switch low beam clamps

B2254 Left turn switch stuck switch indicator left clamped

B2255 trip switch stuck switch Mileage clamps

B2260 start switch stuck starter switch stuck
B2261 Right turn switch stuck switch indicator right clamps
B2262 Front Brake switch stuck brake switch jammed front
B2263 Hazard switch Hazard warning lights switch stuck stuck

BCM BCM B2270 internal fault internal error
BCM BCM B2271 Low Voltage Low Voltage
B2272 BCM BCM high voltage or Speedometer or Tachometer, High Voltage
Constant B2274 battery fault line fault input Battery

P-Group: Sensors

P0031 O2 Heater Low / Open Lambda probe heater without contact
P0032 O2 Heater Shorted / High Heating lambda sensor short circuit
Heater Control Circuit P0051 O2 Sensor Low heating controller lambda probes without contact

Map sensor P0106 rate of Range Error Carb MAP sensor data out of range
P0107 Map Sensor Failed Open / Low Carb / EFI MAP sensor without contact
P0108 Map Sensor Failed High Carb / EFI MAP sensor short circuit, incorrect data (or unmetered air in the manifold)

P0112 IAT Sensor Voltage Low EFI IAT sensor (intake air temperature) without contact
P0113 IAT Sensor Voltage Open / High EFI IAT sensor short circuit, incorrect data
P0117 ET Sensor Voltage Low EFI ET sensor (engine temperature) without contact
P0118 ET Sensor Voltage Open / High EFI ET sensor short circuit, incorrect data

P0120 TPS1 Range Error TPS (Throttle Position Sensor) data out of range
P0122 TPS1 Low TPS without contact
P0123 TPS1 High / Open TPS short circuit, incorrect data

P0131 front O2 sensor low (lean) Lambda probe in front values too low (lean)
P0132 front O2 sensor high (rich) Lambda probe in front too high (in bold)
P0134 front O2 sensor open / not responding Lambda probe in front does not respond
P0151 rear O2 sensor low (lean) Lambda probe behind values too low (lean)
P0152 O2 Sensor Rear high (rich) Lambda probe behind values too high (in bold)
P0154 rear O2 sensor open / not responding Lambda probe behind is not responding

P0220 TPS2 Range Error (TPS2 only TBW models) TPS sensor data out of range
P0222 TPS2 Low TPS without contact
P0223 TPS2 High / Open TPS short circuit, incorrect data

P0261 Injector Open Front / Low EFI front injector without contact
P0262 Front Injector High EFI front injector short circuit
P0263 Rear Injector Open / Low EFI rear injector without contact
P0264 Injector High EFI Rear rear injector short circuit (before CAN bus)
P0264 Rear Injector Open / Low EFI rear injector without contact
P0265 Injector High EFI Rear rear injector short circuit

P0371 Crank position sensor (CKP) too many pulses CKP sensor (crankshaft sensor)

defective

P0372 Crank position sensor (CKP) too few pulses CKP sensor (crankshaft sensor) defective

P0373 CKP Sensor Intermittent Carb / EFI CKP sensor (crankshaft sensor) has dropouts

P0374 CKP Sensor Not Detected Carb / EFI CKP sensor (crankshaft sensor) synchronization error or without contact

P0444 Purge solenoid (evaporative canister) Open / Low magnetic switch activated charcoal canister without contact

P0445 purge solenoid (evaporative canister) High Magnetic switch activated carbon canister Short

P0501 VSS Low Carb / EFI VSS sensor (vehicle speed) without contact

P0502 VSS High / Open Carb / EFI VSS sensor (Vehicle Speed) Short (prior CAN bus)

P0502 VSS VSS low speed failed velocity values too low

P0503 VSS VSS speed failed high speed values too high

P0505 Idle Speed Control Loss of EFI loss of the idle speed control

P0506 Idle speed control- rpm too low idle to low

P0507 Idle Air Control System RPM Higher Than Expected idle higher than expected

P0562 Battery Voltage Low Carb / EFI battery voltage is too low

P0563 Battery Voltage High Carb / EFI battery voltage is too high

P0572 Brake Switch Low brake switch without contact

P0577 Cruise Control Switch Cruise Control Input High short circuit

P0602 Calibration Memory Error Carb fault memory Kalibrierinfos ICM

P0603 EEPROM Failure EEPROM error Carb ICM

ECM P0603 EEPROM error EEPROM Error EFI EFI

P0604 RAM Failure Carb error RAM ICM

P0605 ECM flash memory error error program memory ICM / ECM

P0605 ECM Flash Error Flash Memory EFI EFI error

P0607 Converter Error Carb error transducer ICM

P0641 5V + Vref 1 Out Of Range 1 reference voltage outside the range of values

P0651 5V + Vref 2 Out Of Range reference voltage 2 outside the range of values

P0661 Intake solenoid low / open solenoid air filter without contact

P0662 Intake solenoid high / shorted solenoid air filter short circuit

P1001 System Relay Coil Open / Low EFI system relay without contact

P1002 System relay coil high / Shorted EFI system relay short circuit

P1003 system relay Contacts Open EFI system relay contacts remain open

P1004 System Relay Contacts Closed EFI system relay contacts remain closed

P1009 Incorrect Password Carb / EFI Invalid password

P1010 Missing Password Carb / EFI Missing password

P1270 TGS ValidationError TGS sensor (TwistGrip sensor) invalid data

P1351 Ignition Front Open / Low Carb / EFI Ignition forward without contact

P1352 Ignition Coil Front High / Shorted Carb / EFI Ignition Front Short

P1353 Front Cylinder EFI No Combustion Front cylinder without spark
P1354 Ignition Coil Rear Open / Low Carb / EFI Ignition rear without contact
P1355 Ignition Coil Rear High / Shorted Carb / EFI Ignition rear short circuit
P1356 Rear Cylinder Combustion No EFI Rear cylinder without ignition
P1357 Secondary Combustion Front Intermittent misfire front cylinder EFI
Rear Intermittent P1358 Secondary Combustion EFI rear cylinder misfire

P1475 Exhaust Actuation Position Error exhaust flap positioning error
P1477 Exhaust Actuator Open / Low exhaust flap without contact
P1478 Exhaust Actuator Shorted / high exhaust flap Short

P1501 Jiffy low level sensor switch side stand without contact
P1502 Jiffy level sensor switch high side stand short circuit

P1510 EFI Limited Performance Mode (TBW bikes) Failed to TGS (electronic throttle grip),
restricted operation
P1511 EFI Power Management Mode Error TCA (throttle motor), only drive slowly
P1512 EFI Forced Idle Mode serious error in TBW system only idle
P1514 Air Flow Fault (TBW bikes) measured air volume does not match the throttle cap
position in line is measured only by P1511

EFI modules P1600 Processor Internal Error Internal error of EFI
P1632 Odometer Odometer learned up overflow

ACR P1655 Solenoid Low decompression without contact
P1656 ACR high decompression valve solenoid short clear proof

P2100 EFI TCA Motor Circuit Open (TBW bikes) throttle motor fully opened
P2101 EFI TCA Motor Circuit Range / Performance (Actuation Error), Throttle Actuator
Control motor circuit range / performance error throttle motor delivers wrong position
P2102 EFI TCA Motor Circuit Low throttle motor without contact
P2103 EFI TCA Motor Circuit High throttle motor short circuit, incorrect data
P2105 EFI engine shutdown Forced engine shutdown due to defective control
P2107 EFI Module Control Processor Internal Fault Internal ECM fault, improper power
supply, overheating

P2119 Throttle Body EFI Engine Performance Range (TBW bikes) Throttle does not return to
zero position
P2122 TGS1 Low / Open (twist grip sensor) TGS1 without contact
P2123 TGS1 High TGS1 short circuit, incorrect data
P2127 TGS2 Low / Open TGS2 without contact
P2128 TGS2 High TGS2 short circuit, incorrect data
P2135 TPS Voltage Correlation Error (Throttle Position Sensor) data of TPS1 and TPS2 do
not match
TGS P2138 Voltage Correlation Error (twist grip sensor) data from TGS1 and TGS2 do not
match
EFI P2176 Closed Position Not Learned zero position of the throttle not in space provided

P2300 front ignition coil driver low / open driver circuit connected ignition front short circuit
ground or not

P2301 front ignition coil driver high / shortened drive circuit ignition front short circuit Plus
P2303 rear ignition coil driver low / open ignition driver circuit connected behind short-circuit
ground or not
P2304 rear ignition coil driver high / shortened drive circuit ignition back Short Plus

U group: Data Link

U0001 CAN bus fault CAN BUS error

U0011 CAN BUS low shorted to CAN BUS CAN BUS high minus connected with CAN
BUS signal

U0100 Lost communication with ECM Communication with ECM

U0121 Lost communication with ABS Communication with ABS

U0140 Lost communication with BCM Communication with BCM

U0141 Lost communication with LHCM No communication with LHCM

U0142 Lost communication with RHCM No communication with RHCM

U0156 Lost communication with speedometer No communication with tachometer

U1016 Loss of ICM / ECM Serial Data Instruments loss of all serial data to the ICM / ECM /
TSSM

U1040 Loss of communication with ABS loss of all serial data to the ABS

U1064 Loss of TSM / TSSM Serial Data Carb / EFI / loss instrument serial data from TSM /
TSSM

U1097 Loss of Serial data Speedometer Carb / EFI loss of serial data from the speedometer
unit

U1255 Missing Message at Speedometer EFI fault data link serial data tachometer

U1300 Serial Data Low Carb / EFI Serial Bus shorted to ground

U1301 Serial Data Open / High Carb / EFI Serial Bus shorted to battery

U1302 infotainment bus off infotainment bus without function

U1306 infotainment bus lost communication with Handsfree Phone infotainment bus without
contact with the hands-free telephone

U1307 infotainment bus lost communication with CB infotainment bus without contact to CB

U1308 infotainment bus lost communication with future infotainment bus without contact
with future extensions

U1312 infotainment bus lost communication with future infotainment bus without contact
with future extensions

U1313 infotainment bus lost communication with XM Infotainment bus without access to
satellite radio

U1314 infotainment bus lost communication with navigation infotainment bus without
contact with the navigation system

U1317 infotainment bus lost communication with high-out amplifier infotainment bus without
access to power amp

C group: ABS

C0562 Device Voltage Low ABS voltage too low

C0563 Device Voltage High Voltage too high ABS

Internal Fault C1014 ECU ABS internal error in the ECM

C1017 Pump Motor Power Circuit Fault Circuit ABS pump motor

C1018 Pump Motor Ground High Resistance Fault ABS pump motor ground connection problem
C1021 Front Wheel Speed Sensor ABS sensor equals zero forward without signal
C1023 Rear Wheel Speed Sensor ABS sensor, rear equals zero with no signal
C1025 Front Wheel Speed Signal Intermittent ABS sensor on the front disturbed signals
C1027 Front Wheel Speed Signal Frequency out of Range ABS sensor on the front data outside the parameters
C1032 front wheel speed sensor circuit open or shorted ABS Sensor Front contact open or shorted
C1034 Rear wheel speed sensor circuit open or shorted ABS sensor, rear contact open or shorted
C1041 Rear actuator circuit low / open circuit ABS brake rear
C1042 front actuator circuit open
C1042 Pump Motor Open ABS Pump is going through (before CAN bus)
C1043 Pump Motor Stalled ABS pump motor is jammed (before CAN bus)
C1044 Rear actuator circuit open
C1052 Rear actuator circuit high

C1055 ABS ECU internal fault ABS internal error
C1056 ABS ECU internal fault - solid state relay shorted ON ABS internal error relay always on
C1057 ABS ECU internal fault - solid state relay shorted to ground ABS internal error relay Short-circuit weight
C1061 ABS ECU internal fault - front ABS solenoid apply internal error, front actuation
C1062 ABS ECU internal fault - front ABS solenoid release internal error, Redemption Front
C1065 ABS ECU internal fault - rear ABS solenoid apply internal error, actuating rear
C1066 ABS ECU internal fault - rear ABS solenoid release internal error, redemption rear

C1094 Front Brake Switch Always On front brake switch permanently to
C1095 Front Brake Switch Open brake switch wire interrupted front

C1102 Rear ABS actuator motor stalled motor is jammed behind
Internal Fault C1118 ECU ECU internal fault
Internal Fault C1121 ECU ECU internal fault
C1151 Front Wheel Release Too Long ABS pressure reduction front too slow
C1153 Rear Wheel Release Too Long ABS pressure reduction back too slowly
C1158 Calibration Programming Required ABS new calibration must be programmed
Transmitted C1178 No VIN received from ECM No VIN of the ECM
C1184 VIN does not match ABS ECU calibration The transmitted VIN does not match the calibration of the ABS
C1192 front actuator circuit high
C1193 front actuator motor stalled ABS motor front clamps

C1206 front wheel speed sensor frequency out of range sensor front ABS data outside parameters
C1206 Rear Wheel Speed Signal Intermittent rear ABS sensor faulty signals (before CAN bus)
C1208 Rear wheel speed sensor frequency out of range Rear ABS Sensor data outside parameters

C1212 Front or Rear Brake Applied with Decel not braking effect without actuated brake
C1214 Rear Brake Switch Always On rear brake switch permanently to
C1216 Rear Brake Switch Open the rear brake switch line interrupted

C1222 ABS low voltage terminal 11 ABS voltage at PIN 11 is too low
C1223 ABS low voltage - terminal 20 ABS voltage at PIN 20 is too low
C1224 front actuator power shorted high circuit ABS Motor Front Short Plus
C1225 Rear actuator power shorted high circuit ABS rear engine Short Plus

C1561 Front apply solenoid circuit open or high resistance valve brake pressure front is not connected / high resistance
C1562 Front apply solenoid circuit shorted low brake pressure valve front short mass
C1563 Front solenoid circuit shorted high valve brake pressure front short circuit Plus
C1564 Front release solenoid circuit open or high resistance valve brake release pressure front is not connected / high resistance
C1565 Front release solenoid circuit shorted low brake pressure drain valve front short mass
C1567 Rear apply solenoid circuit open or high resistance valve brake pressure behind not connected / high resistance
C1568 Rear solenoid circuit shorted low valve apply brake pressure behind short mass
C1571 Rear solenoid circuit shorted high valve brake pressure behind Short Plus
C1572 Rear release solenoid circuit open or high resistance valve brake release pressure behind not connected / high resistance
C1573 Rear release solenoid circuit shorted low brake pressure valve drain back shorting mass

Meaning of abbreviations

When the error code abbreviations are called. Here the importance of:

Open / Low - Cable break / lack of Contact

High - Short-circuit / short to ground

ABS - Anti-Lock Braking System
ACR - Automatic Compression Release
AFR - Air Fuel Ratio
AIS - Active Intake solenoid
ATS - Air Temperature Sensor
BAS - Bank Angle Sensor
BCM - Body Control Module
CAN - Controller Area Network
CCM - Cruise Control Module
CKP - Crank Position Sensor.
DLC - Data Link Connector
DTC - Diagnostic Trouble Codes
ECM - Electronic Control Module.
ECT - Engine Coolant Temperature.
ECU - Electronic Control Unit
EFI - Electronic Fuel Injection
EFP - Electronic Fuel Pump
ET - Engine Temperature sensor

FI - Fuel Injectors
FPR - Fuel Pressure regulator
H-DSSS - Harley-Davidson Smart Security System
HCU - Hydraulic Control Unit ABS
HFSSM - Hands Free Security Module = TSSM
HO2S - Heated Oxygen Sensor
IAC - Idle Air Control actuator
IAT - Intake Air Temperature sensor
ICM - Ignition Control Module
IMAP - MAP + IAT in one unit
ISS - Ion Sensing System ... detonation detection
JSS - Jiffy level sensor
LHCM - Left Hand Control Module
MAP - Manifold Absolute Pressure sensor
RHCM - Right Hand Control Module
RCM - Reverse Control Module
TCA - Throttle Control Actuator
TGS - Twist Grip Sensor
TMAP - Intake Air Temperature / Manifold Absolute Pressure
TP (TPS) - Throttle Position Sensor
TSM / TSSM - (Turn Signal / Turn Signal Security Module)
VE - Volume Efficiency
VIN - Vehicle identification number
VSS - Vehicle Speed Sensor
WSS - Wheel Speed Sensor

Read the fault codes on the speedometer

The error codes can be read out via the display of the speedometer. In the carburetors until built in 2004. However, through programs such as master data, together with the TTS Mastertune. Here is the method:

Switch off the ignition down, switch on the handlebars in operating position.

Press the trip odometer button and hold, turn ignition key to the "Ignition". Release the button. The backlight comes on, the speedometer needle hits from all the warning lights are lit, the word "diag" appears.