



## **LES CODES ERREUR des HARLEY-DAVIDSON**

**Comment identifier les Codes Pannes de nos Harley à Injection, en Anglais**  
**DTC = Diagnostic Trouble Code**

**Sur nos machines à injection, nous avons une multitude d'informations qui sont collectées par le système. Dès qu'une anomalie est détectée, un code d'erreur est stocké dans le module D.T.C**

**Pour pouvoir lire les erreurs stockées, il faut entrer dans le mode "Diagnostic"**

**Pour ce faire, il faut enfoncez le bouton de remise à zéro du compteur puis tourner le bouton de contact sur ON. Le cadran s'allume, l'aiguille tourne jusqu'au maximum pour revenir en position initiale. Il s'affiche alors DIAG, on peut arrêter la pression sur le bouton de remise à zéro.**

**Puis il faut presser à nouveau le bouton de remise à zéro pour pouvoir entrer dans les divers modules :**

**P ==> l'ECM / ICM (module de contrôle de l'allumage)**

**S ==> TSM / TSSM (module de contrôle des clignotants et de l'alarme)**

**SP => compteur de vitesse**

**T ==> compte-tours (si votre Bécane en a un)**

**On change de module en appuyant tout simplement sur le bouton de remise à zéro.**

**La lettre qui clignote vous indique le module dans lequel vous êtes, puis en appuyant 5 secondes sur le bouton, vous entrez dans la partie diagnostic du module.**

**On peut faire défiler la liste des codes par une pression rapide sur le bouton de remise à zéro.**

**Pour sortir du mode DIAGNOSTIC, il faut remettre le bouton central de contact sur OFF.**

**Ce n'est pas compliqué, et cela permet d'avoir une première approche.**

**Ci-dessous voici le tableau des erreurs principales relevées.**



## **DTC FAULT CONDITION MODULE**

|       |   |
|-------|---|
| B0563 | Battery Voltage High TSM/TSSM                 |
| B1004 | Fuel Level Sending Unit Low Instruments       |
| B1005 | Fuel Level Sending Unit High/Open Instruments |
| B1006 | Accessory Line Overvoltage Instruments        |
| B1007 | Ignition Line Overvoltage Instruments         |
| B1008 | Reset Switch Closed Instruments               |
| B1131 | Alarm Output Low TSM/TSSM                     |
| B1132 | Alarm Output High TSM/TSSM                    |
| B1134 | Starter Output High TSM/TSSM                  |
| B1135 | Accelerometer Fault TSM/TSSM                  |
| B1151 | Sidecar BAS Low TSM/TSSM                      |
| B1152 | Sidecar BAS High TSM/TSSM                     |
| B1153 | Sidecar BAS Out of Range TSM/TSSM             |
| P0106 | MAP Sensor Rate of Range Error Carb           |
| P0107 | Map Sensor Failed Open/Low Carb               |
| P0107 | Map Sensor Open/Low EFI                       |
| P0108 | Map Sensor Failed High Carb                   |
| P0108 | Map Sensor High EFI                           |
| P0112 | IAT Sensor Voltage Low EFI                    |
| P0113 | IAT Sensor Voltage Open/High EFI              |
| P0117 | ET Sensor Voltage Low EFI                     |
| P0118 | ET Sensor Voltage Open/High EFI               |
| P0122 | TP Sensor Open/Low EFI                        |
| P0123 | TP Sensor High EFI                            |
| P0261 | Front Injector Open/Low EFI                   |
| P0262 | Front Injector High EFI                       |
| P0263 | Rear Injector Open/Low EFI                    |
| P0264 | Rear Injector High EFI                        |

|       |                                    |
|-------|------------------------------------|
| P0373 | CKP Sensor Intermittent Carb       |
| P0373 | CKP Sensor Intermittent EFI        |
| P0374 | CKP Sensor Not Detected Carb       |
| P0374 | CKP Sensor Synch Error EFI         |
| P0501 | VSS Low Carb                       |
| P0501 | VSS Low EFI                        |
| P0502 | VSS High/Open Carb                 |
| P0502 | VSS High/Open EFI                  |
| P0505 | Loss of Idle Sped Control EFI      |
| P0562 | Battery Voltage Low Carb           |
| P0562 | Battery Voltage Low EFI            |
| P0563 | Battery Voltage High Carb          |
| P0563 | Battery Voltage High EFI           |
| P0602 | Calibration Memory Error Carb      |
| P0603 | EEPROM Failure Carb                |
| P0603 | ECM EEPROM Error EFI               |
| P0604 | RAM Failure Carb                   |
| P0605 | Program Memory Error Carb          |
| P0605 | ECM Flash Error EFI                |
| P0607 | Converter Error Carb               |
| P1001 | System Relay Coil Open/Low EFI     |
| P1002 | System relay Coil High/Shorted EFI |
| P1003 | System relay Contacts Open EFI     |
| P1004 | System Relay Contacts Closed EFI   |
| P1009 | Incorrect Password Carb            |
| P1009 | Incorrect Password EFI             |
| P1010 | Missing Password Carb              |
| P1010 | Missing Password EFI               |
| P1351 | Front Ignition Open/Low Carb       |

|       |  |
|-------|--|
| P1352 | Front Ignition Coil High/Shorted Carb  |
| P1352 | Front Ignition Coil High/Shorted EFI   |
| P1353 | Front Cylinder No Combustion EFI   |
| P1354 | Rear Ignition Coil Open/Low Carb   |
| P1354 | Rear Ignition Coil Open/Low EFI  |
| P1355 | Rear Ignition Coil High/Shorted Carb   |
| P1355 | Rear Ignition Coil High/Shorted EFI  |
| P1356 | Rear Cylinder No Combustion EFI  |
| P1357 | Intermittent Secondary Front EFI   |
| P1358 | Intermittent Secondary Rear EFI  |
| U1016 | Loss of ICM/ECM Serial Data Instruments  |
| U1016 | Loss of ECM Serial Data, Vehicle Speed, Vehicle Inhibit Motion or Powertrain Security Status<br>TSM/TSSM |
| U1064 | Loss of TSM/TSSM Serial Data Carb  |
| U1064 | Loss of TSM/TSSM Serial Data EFI   |
| U1064 | Loss of TSM/TSSM Serial Data Instruments   |
| U1097 | Loss of Speedometer Serial data Carb   |
| U1097 | Loss of Speedometer Serial data EFI  |
| U1097 | Loss of Speedometer Serial data TSM/TSSM   |
| U1255 | Missing Message at Speedometer EFI   |
| U1255 | Serial Data Error/Missing Message EFI  |
| U1255 | Serial Data Error/Missing Message Instruments  |
| U1255 | Serial Data Error/Missing Message TSM/TSSM   |
| U1300 | Serial Data Low Carb   |
| U1300 | Serial Data Low EFI  |
| U1300 | Serial Data Low Instruments  |
| U1300 | Serial Data Low TSM/TSSM   |
| U1301 | Serial Data Open/High Carb   |

## **LEXIQUE**

AFR – Air Fuel Ratio

ATS – Air Temperature Sensor

BAS – Bank Angle Sensor

CCM – Cruise Control Module

CKP – Crank Position Sensor. The CKP generates an “AC signal” which is sent to the ECM where it is used to reference engine position (TDC) and speed.

DTC – Diagnostic Trouble Codes

ECM – Electronic Control Module.

ECT – Engine Coolant Temperature. Sensor also controls the cooling fan relay that provides 12 Vdc to the fans.

EFI – Electronic Fuel Injection

EFP – Electronic Fuel Pump

ET – Engine Temperature sensor

FI – Fuel Injectors

FPR – Fuel Pressure regulator

IAC – Idle Air Control actuator

IAT – Intake Air Temperature sensor

ISS – Ion Sensing System...detonation detection

MAP – manifold Absolute Pressure sensor. The MAP sensor monitors the intake manifold pressure (vacuum) and sends the information to the ECM.

TP – Throttle Position Sensor

TSM/TSSM (Turn Signal/ Turn Signal Security Module)

VE – Volume Efficiency

VSS – Vehicle Speed Sensor. Used as an input for idle speed control

## LES CODES ERREURS

### Des Modèles Multiplexés

Le groupe U concerne la liaison de données d'erreur de série de l'EFI

Le groupe C sont tout autour de la faute ABS

Le groupe P sont tous les autres

Avec l'avènement du bus CAN (depuis 2011) le groupe B a augmenté massivement depuis la BCM (Body Control Module)

et concerne des messages d'erreur très détaillées sur tous les interrupteurs, lampes et clignotants. En outre, il existe un certain chevauchement (rares) dans les groupes P et C avec les codes utilisés précédemment.

#### Messages d'erreur spécifiques

TIP : Capteur d'inclinaison : la moto a basculé et ne démarre plus

BUS Er : le bus série a perdu le contact

no rSP : pas de compteur de vitesse (apparaît également si vous voulez lire les codes d'erreur avec kill switch).

SidE StAnd : Béquille latérale La machine a été éteinte parce que la béquille est sortie

#### Signification des Abréviations

shorted low -> mise à la masse shorted high -> plus ou moins ouvert

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 – Datalink Connector

DTC – Diagnostic Trouble Codes ECM – Electronic Control Module. 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

HFSM – 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 Stand 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 Senso

## **Groupe B : Batterie, allumage, éclairage, accessoires**

|                 |  |
|-----------------|--|
| B0563           | Battery Voltage High TSM/TSSM  |
| B1004           | Fuel Level Sending Unit Low Instruments B1005 Fuel Level Sending Unit High/Open B1006 Accessory Line Overvoltage |
| B1007           | Ignition Line Overvoltage Instruments B1008 Reset Switch Closed Instruments                                      |
| B1121           | Left Turn Output Fault TSM/TSSM  |
| B1122           | Right Turn Output fault TSM/TSSM   |
| B1123           | Left Turn Output Short to Ground TSM/TSSM B1124 Right Turn Output Short to Ground TSM/TSSM                       |
| B1125           | Left Turn Output Short to Battery TSM/TSSM Right   |
| B1126           | Turn Output Short to Battery TSM/TSSM  |
| B1131           | Alarm Output Low TSSM  |
| B1132           | Alarm Output High TSSM   |
| B1134           | Starter Output High TSM/TSSM   |
| B1135           | Accelerometer Fault TSM/TSSM   |
| B1136           | Accelerometer Tip Test Error TSSM  |
| B1141           | Ignition switch open/low TSSM  |
| B1142           | Smart Security System Internal Fault TSSM B1143 Security Antenna Short to Ground TSSM                            |
| B1144           | Security Antenna Short to Battery TSSM B1145 Security Antenna Open TSSM  |
| B1151 (Sidecar) | BAS Low TSM/TSSM (capteur d'inclinaison)   |
| B1152 (Sidecar) | BAS High TSM/TSSM  |
| B1153 (Sidecar) | BAS Out of Range TSM/TSSM  |
| B1154           | Clutch Switch Input Short to Ground  |
| B1155           | Neutral Switch Input Short to Battery  |

BCM Codes : Il ya dorénavant une nouvelle série de codes B qui sont générés par le module de contrôle (BCM) relié à la CAN et concernent principalement l'alimentation des accessoires (lampes, interrupteur, pompes, klaxon, sirène d'alarme, etc...)

|       |  |
|-------|--|
| B1101 | LHCM turn signal bulb out  |
| B1103 | LHCM internal fault  |
| B1151 | RHCM turn signal bulb out  |
| B1153 | RHCM internal fault  |
| B1200 | Instrument internal fault Instrumente B1210 Fuel sender shorted low/fuel Gauge Circuit |
| B1211 | Fuel sender shorted high/open  |
| B2102 | System power output shorted high B2103 System power output shorted low                 |
| B2104 | System power output overloaded   |
| B2107 | Front position/running power output shorted high                                       |
| B2108 | Front position/running power output shorted low  |
| B2109 | Front position/running power output overloaded   |
| B2112 | Accessory output shorted high  |
| B2113 | Accessory output shorted low   |
| B2114 | Accessory output overloaded  |
| B2116 | Fuelpump output Open   |
| B2117 | Fuelpump output shorted high   |
| B2118 | Fuelpump output shorted low  |
| B2119 | Fuelpump output overloaded   |
| B2121 | Starter Output Open/BCM Malfunction  |
| B2122 | Starter output shorted high  |
| B2123 | Starter output shorted low   |
| B2124 | Starter output overloaded  |
| B2126 | Horn output open   |
| B2127 | Horn output shorted high   |
| B2128 | Horn output shorted low  |
| B2129 | Horn output overloaded   |
| B2131 | High Beam output open  |
| B2132 | High Beam output shorted high  |
| B2133 | High Beam output shorted low   |
| B2134 | High Beam output overloaded  |
| B2136 | Low Beam output open   |
| B2137 | Low Beam output shorted high   |
| B2138 | Low Beam output shorted low  |

|       |  |
|-------|--|
| B2139 | Low Beam output overloaded                 |
| B2141 | Left front turn signal output open         |
| B2143 | Left front turn signal output shorted low  |
| B2144 | Left front turn signal output overloaded   |
| B2146 | Right front turn signal output open        |
| B2148 | Right front turn signal output shorted low |
| B2149 | Right front turn signal output overloaded  |
| B2151 | Left rear turn signal output open          |
| B2153 | Left rear turn signal output shorted low   |
| B2154 | Left rear turn signal output overloaded    |
| B2156 | Right rear turn signal output open         |
| B2158 | Right rear turn signal output shorted low  |
| B2159 | Right rear turn signal output overloaded   |
| B2161 | Brake lamp output open                     |
| B2163 | Brake lamp output shorted low              |
| B2164 | Brake lamp output overloaded               |
| B2166 | Running lights output open                 |
| B2168 | Running lights signal output shorted low   |
| B2169 | Running lights signal output overloaded    |
| B2172 | Security siren output shorted high         |
| B2173 | Security siren output shorted low          |
| B2176 | Security antenna output open               |
| B2177 | Security antenna output shorted high       |
| B2178 | Security antenna output shorted low        |
| B2203 | Ignition switch input shorted low          |
| B2206 | Engine stop switch input open/shorted high |
| B2208 | Engine stop switch input shorted low       |
| B2218 | Neutral switch shorted low                 |
| B2223 | Rear Brake switch shorted low              |
| B2250 | Clutch switch stuck                        |
| B2251 | Horn switch stuck                          |
| B2252 | High beam switch stuck                     |
| B2253 | Low beam switch stuck                      |
| B2254 | Left turn switch stuck                     |
| B2255 | Trip switch stuck                          |
| B2260 | Start switch stuck                         |
| B2261 | Right turn switch stuck                    |
| B2262 | Front Brake switch stuck                   |
| B2263 | Hazard switch stuck                        |
| B2270 | BCM internal fault                         |
| B2271 | BCM low voltage                            |
| B2272 | BCM or Speedometer voltage high            |
| B2274 | Constant battery line fault                |

### Groupe P : Capteurs et moteur

|       |  |
|-------|--|
| P0051 | Heater Control Circuit O2 Sensor Low                     |
| P0106 | Map Sensor Rate of Range Error                           |
| P0107 | Map Sensor Failed Open/Low                               |
| P0108 | Map Sensor Failed High (ou prise d'air à l'admission)    |
| P0112 | IAT Sensor Voltage Low                                   |
| P0113 | IAT Sensor Voltage Open/High P0117 ET Sensor Voltage Low |
| P0118 | ET Sensor Voltage Open/High                              |
| P0120 | TPS1 Range Error TPS (Throttle Position Sensor)          |
| P0122 | TPS1 Low TPS   |
| P0123 | TPS1 High/Open TPS                                       |
| P0131 | Front O2 sensor low (lean)                               |
| P0132 | Front O2 sensor high (rich)                              |
| P0134 | Front O2 sensor open/not responding                      |
| P0151 | Rear O2 sensor low (lean)                                |
| P0152 | Rear O2 sensor high (rich)                               |

|       |  |
|-------|--|
| P0154 | Rear O2 sensor open/not responding                   |
| P0220 | TPS2 Range Error (TPS2 pour les TBW seulement)       |
| P0222 | TPS2 Low TPS   |
| P0223 | TPS2 High/Open                                       |
| P0261 | Front Injector Open/Low                              |
| P0262 | Front Injector High                                  |
| P0263 | Rear Injector Open/Low                               |
| P0264 | Rear Injector High (pour CAN-Bus)                    |
| P0264 | Rear Injector Open/Low                               |
| P0265 | Rear Injector High                                   |
| P0371 | Crank Position Sensor (CKP) too many pulses          |
| P0372 | Crank Position Sensor (CKP) too few pulses           |
| P0373 | CKP Sensor Intermittent                              |
| P0374 | CKP Sensor Not Detected                              |
| P0444 | Purge Solenoid (evaporative Canister) Open/Low       |
| P0445 | Purge Solenoid (evaporative Canister) High           |
| P0501 | VSS Low  |
| P0502 | VSS High/Open (for CAN-Bus)                          |
| P0502 | VSS speed failed low                                 |
| P0503 | VSS speed failed high                                |
| P0505 | Loss of Idle Speed Control                           |
| P0506 | Idle speed control- rpm too low                      |
| P0507 | Idle Air Control System RPM Higher Than Expected     |
| P0562 | Battery Voltage Low                                  |
| P0563 | Battery Voltage High                                 |
| P0572 | Brake Switch Low                                     |
| P0577 | Cruise Control Input High                            |
| P0602 | Calibration Memory Error                             |
| P0603 | ECM EEPROM Failure                                   |
| P0604 | RAM Failure  |
| P0605 | ECM flash memory error                               |
| P0605 | ECM Flash Error                                      |
| P0607 | Converter Error                                      |
| P0641 | 5V+Vref 1 Out Of Range                               |
| P0651 | 5V+Vref 2 Out Of Range                               |
| P0661 | Intake solenoid low/open                             |
| P0662 | Intake solenoid high/shorted                         |
| P1001 | System Relay Coil Open/Low                           |
| P1002 | System relay Coil High/Shorted                       |
| P1003 | System relay Contacts Open                           |
| P1004 | System Relay Contacts Closed                         |
| P1009 | Incorrect Password                                   |
| P1010 | Missing Password                                     |
| P1270 | TGS Validation Error (Twist Grip Sensor)             |
| P1351 | Front Ignition Open/Low                              |
| P1352 | Front Ignition Coil High/Shorted                     |
| P1353 | Front Cylinder No Combustion                         |
| P1354 | Rear Ignition Coil Open/Low                          |
| P1355 | Rear Ignition Coil High/Shorted                      |
| P1356 | Rear Cylinder No Combustion                          |
| P1357 | Front Intermittent Secondary Combustion              |
| P1358 | Rear Intermittent Secondary Combustion               |
| P1475 | Exhaust Actuation Position Error                     |
| P1477 | Exhaust Actuator Open/Low                            |
| P1478 | Exhaust Actuator Shorted/High                        |
| P1501 | Jiffy Stand Sensor Low P1502 Jiffy Stand Sensor High |
| P1510 | EFI Limited Performance Mode (TBW Bikes)             |
| P1511 | EFI Power Management Mode                            |
| P1512 | EFI Forced Idle Mode                                 |
| P1514 | Air Flow Fault (TBW Bikes) souvent avec P1511        |
| P1600 | EFI Module Processor Internal Error                  |
| P1632 | Odometer learned up                                  |

|       |   |
|-------|---|
| P2100 | EFI TCA Motor Circuit Open (TBW Bikes)                                      |
| P2101 | EFI TCA Motor Circuit Range/Performance (Actuation Error)                   |
| P2102 | EFI TCA Motor Circuit Low   |
| P2103 | EFI TCA Motor Circuit High  |
| P2105 | EFI Forced engine shutdown  |
| P2107 | EFI Module Control Processor Internal Fault                                 |
| P2119 | EFI Motor Throttle Body Range Performance (TBW Bikes)                       |
| P2122 | TGS1 Low/Open (Twist Grip Sensor)   |
| P2123 | TGS1 High TGS1  |
| P2127 | TGS2 Low/Open   |
| P2128 | TGS2 High TGS2  |
| P2135 | TPS Voltage Correlation Error (Throttle Position Sensor) entre TPS1 et TPS2 |
| P2138 | TGS Voltage Correlation Error (Twist grip sensor) entre TGS1 et TGS2        |
| P2176 | EFI Closed Position Not Learned   |
| P2300 | Front ignition coil driver low/open   |
| P2301 | Front ignition coil driver high/shortened                                   |
| P2303 | Rear ignition coil driver low/open  |
| P2304 | Rear ignition coil driver high/shortened                                    |

## Connexions de données du bus CAN

|       |   |
|-------|---|
| U0001 | CAN BUS fault   |
| U0011 | CAN BUS low shorted to CAN BUS high                         |
| U0100 | Lost communication with ECM                                 |
| U0121 | Lost communication with ABS                                 |
| U0140 | Lost communication with BCM                                 |
| U0141 | Lost communication with LHCM                                |
| U0142 | Lost communication with RHCM                                |
| U0156 | Lost communication with speedometer                         |
| U1016 | Loss of ICM/ECM Serial Data                                 |
| U1040 | Loss of communication with ABS                              |
| U1064 | Loss of TSM/TSSM Serial Data                                |
| U1097 | Loss of Speedometer Serial data                             |
| U1255 | Missing Message at Speedometer EFI                          |
| U1300 | Serial Data Low   |
| U1301 | Serial Data Open/High                                       |
| U1302 | Infotainment Bus off  |
| U1306 | Infotainment Bus lost communication with Handsfree Phone    |
| U1307 | Infotainment Bus lost communication with CB                 |
| U1308 | Infotainment Bus lost communication with future             |
| U1312 | Infotainment Bus lost communication with future             |
| U1313 | Infotainment Bus lost communication with Radio Satellite    |
| U1314 | Infotainment Bus lost communication with navigation         |
| U1317 | Infotainment Bus lost communication with high-out amplifier |

## Groupe: ABS

|       |   |
|-------|---|
| C0562 | Device Voltage Low                                |
| C0563 | Device Voltage High                               |
| C1014 | ECU Internal Fault ABS                            |
| C1017 | Pump Motor Power Circuit Fault                    |
| C1018 | Pump Motor Ground High Resistance Fault           |
| C1021 | Front Wheel Speed Sensor equals Zero              |
| C1023 | Rear Wheel Speed Sensor equals Zero               |
| C1025 | Front Wheel Speed Signal Intermittent             |
| C1027 | Front Wheel Speed Signal Frequency out of Range   |
| C1032 | Front wheel speed sensor circuit open or shorted  |
| C1034 | Rear wheel speed sensor circuit open or shorted   |
| C1041 | Rear actuator circuit low/open                    |
| C1042 | Front actuator circuit open C1042 Pump Motor Open |
| C1043 | Pump Motor Stalled                                |

|       |   |
|-------|---|
| C1044 | Rear actuator circuit open                            |
| C1052 | Rear actuator circuit high                            |
| C1055 | ABS ECU internal fault                                |
| C1066 | ECU Internal Fault                                    |
| C1094 | Front Brake Switch Always On                          |
| C1095 | Front Brake Switch Open                               |
| C1102 | Rear actuator motor stalled                           |
| C1118 | ECU Internal Fault                                    |
| C1121 | ECU Internal Fault                                    |
| C1151 | Front Wheel Release Too Long                          |
| C1153 | Rear Wheel Release Too Long                           |
| C1158 | Calibration Programming Required                      |
| C1178 | No VIN received from ECM                              |
| C1184 | VIN does not match ABS ECU calibration                |
| C1192 | Front actuator circuit high                           |
| C1193 | Front actuator motor stalled                          |
| C1206 | Front wheel speed sensor frequency out of range       |
| C1207 | Rear Wheel Speed Signal Intermittent                  |
| C1208 | Rear wheel speed sensor frequency out of range        |
| C1212 | Front or Rear Brake not Applied with Decel            |
| C1214 | Rear Brake Switch Always On                           |
| C1216 | Rear Brake Switch Open                                |
| C1222 | ABS voltage low-terminal 11                           |
| C1223 | ABS voltage low - terminal 20                         |
| C1224 | Front actuator power shorted high                     |
| C1225 | Rear actuator power shorted high                      |
| C1561 | Front apply solenoid circuit open or high             |
| C1562 | Front apply solenoid circuit shorted low              |
| C1563 | Front solenoid circuit shorted high                   |
| C1564 | Front release solenoid circuit open or high           |
| C1565 | Front release solenoid circuit shorted low            |
| C1567 | Rear apply solenoid circuit open or high              |
| C1568 | Rear apply solenoid circuit shorted low               |
| C1571 | Rear solenoid circuit shorted high                    |
| C1572 | Rear release solenoid circuit open or high resistance |
| C1573 | Rear release solenoid circuit shorted low             |

## Radio Diagnostic

Les codes d'erreur suivants (B2006-B2027) pour le diagnostic sont affichés sur la radio elle-même. Pousser d'abord sur le bouton Eject sur le lecteur CD. Maintenir appuyés deux touches du bas (touches 1 à 6) et mettre le contact. Le code de diagnostic est alors affiché sur l'écran de votre radio.

|       |  |
|-------|--|
| B2006 | Radio switch stuck or open   |
| B2007 | Handlebar switch shorted high  |
| B2008 | Handlebar switch shortened low   |
| B2009 | Handlebar switch stuck or open   |
| B2010 | Passenger switch shortened high  |
| B2011 | Passenger switch shortened low   |
| B2012 | Passenger switch stuck or open   |
| B2013 | Sidecar switch shortened high  |
| B2014 | Sidecar switch shortened low   |
| B2015 | Sidecar switch stuck or open   |
| B2016 | Front speaker shortened R<1.5 Ohms tested once per ignition cycle R>1.0 Ohm when setup                             |
| B2017 | Front speaker opened R>100 Ohms tested once per ignition cycle ignition ON after Ignition OFF for at least 10 sec. |
| B2018 | Front speaker shortened to ground Ignition ON after Ignition OFF for at least 10 sec.                              |
| B2019 | Front speaker shortened to battery Ignition ON after Ignition OFF for at least 10 sec.                             |
| B2020 | Rear speaker shortened R<1.5 Ohms tested once per ignition cycle R>1.0 Ohm when setup                              |
| B2021 | Rear speaker opened R>100 Ohms tested once per ignition cycle ignition ON after Ignition                           |
| B2022 | Rear speaker shortened to ground Ignition ON after Ignition OFF for at least 10 sec.                               |

|       |  |
|-------|--|
| B2023 | Rear speaker shortened to battery Ignition ON after Ignition OFF for at least 10 sec.                                |
| B2024 | Sidecar speaker shortened R<1.5 Ohms tested once per ignition cycle R>1.0 Ohm  |
| B2025 | Sidecar speaker opened R>100 Ohms tested once per ignition cycle ignition ON after Ignition OFF for at least 10 sec. |
| B2026 | Sidecar speaker shortened to ground Ignition ON after Ignition OFF for at least 10 sec.                              |
| B2027 | Sidecar speaker shortened to battery Ignition ON after Ignition OFF for at least 10 sec                              |

