



Diagnostic des codes d'anomalie sur Harley-Davidson

La technologie de circuit électrique multiplexé (CAN bus ou Controler Area Network) permet le transfert de nombreuses données via un seul fil et a été adoptée par H-D à partir de 2004. Cette évolution technique permet d'afficher le diagnostic des codes anomalies (DTC ou Diagnostic Trouble Codes) de la moto. C'est très utile pour aider à connaître puis à résoudre d'éventuels problèmes rencontrés.

Entrer en mode de diagnostic

- * Neutralisez l'alarme avec votre bipper à proximité
- * Appuyez et maintenez enfoncé le bouton de choix d'affichage «TRIP» sur la poignée gauche.
- * Tout en maintenant le bouton enfoncé «TRIP», mettre le contact «OFF => RUN» sur la poignée droite ou au bouton central.
- * Relâchez le bouton «TRIP» lorsque l'écran du compteur kilométrique affiche « Diag. »
- * Pressez et relâchez le bouton «TRIP» pour faire défiler les différents modules et codes. Si un module affiche un « Y », c'est qu'un code d'anomalie est présent.
- * Appuyez et maintenez le bouton «TRIP» pendant quelques secondes, le code de la panne sera affichée.
- * Notez le code d'anomalie pour l'identifier ou pour votre contact téléphonique avec le mécano HD

Vérifier et effacer les codes d'anomalie

- * Suivez les étapes ci-dessus pour entrer en mode diagnostic:
- * Pour chaque erreur affichée, appuyez et maintenez enfoncé le bouton «TRIP» pendant quelques secondes pour effacer le code d'anomalie.
- * Appuyez sur le bouton (TRIP) pour faire défiler les codes supplémentaires et les autres modules.
- * En fin de lecture, couper le contact «RUN => OFF» ou le bouton central, pour quitter le mode « Diag ».



Abréviations générales à connaître

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

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

HO2S – Heated Oxygen Sensor

IAC – Idle Air Control actuator

IAT – Intake Air Temperature sensor

ICM – Ignition Control Module

IMAP – IAT in one unit + MAP

ISS – Ion Sensing System

JSS – Jiffy Stand Sensor

LHCM – Left Hand Control Module

MAP – Manifold Absolute Pressure Sensor

MHR – Right Hand Control Module

RCM – Reverse Control Module

TCA – Throttle Control Actuator

TGS – Twist Grip Sensor

TMAP – Intake Air Temperature / Manifold Absolute Pressure equipment

TPS – Throttle Position Sensor

TSM / TSSM – Turn Signal Module / Turn Signal Security Module

VE – Volume Efficiency

VIN – Vehicle Identification Number

VSS – Vehicle Speed Sensor

WSS – Wheel Speed Sensor

Les différents modules et codes d'anomalie

Le **DTC** présente plusieurs préfixes de code, P, B, C et U.

P => indique des problèmes surveillés par l'ECM (Electronic Control Module).

B => indique des problèmes surveillés par les instruments et le BCM (Body Control Module).

C => indique un problème avec l'ABS.

U => indique un problème de communication avec les modules (CAN bus).

Note : Certains codes d'anomalie peuvent avoir été ajoutés, modifiés ou supprimés par Harley-Davidson, depuis la rédaction de cet article.

Sensors and motor

P0031	Front HO2S low/open
P0032	Front HO2S shorted/high
P0051	Rear HO2S low/open
P0052	Rear HO2S shorted/high
P0072	AAT sensor low
P0073	AAT sensor high/open
P0106	Map Sensor Rate of Range Error
P0107	Map Sensor Failed Open/Low
P0108	Map Sensor Failed High
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
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
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 (CAN-Bus)
P0264	Rear Injector Open/Low
P0265	Rear Injector High
P0371	Crank Position Sensor, Too Many Pulses
P0372	Crank Position Sensor, Too Few Pulses
P0373	CKP Sensor Intermittent
P0374	CKP Sensor Not Detected
P0444	Purge Solenoid (Evap. Canister) Open/Low
P0445	Purge Solenoid (Evap. Canister) High
P0501	VSS Low
P0502	VSS High/Open (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 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
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)
P1511	EFI Power Management Mode
P1512	EFI Forced Idle Mode
P1514	Air Flow Fault (TBW)
P1600	EFI Module Processor Internal Error
P1632	Odometer Learned Up
P2100	EFI TCA Motor Circuit Open (TBW)
P2101	EFI TCA Motor Circuit Range/Performance
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)
P2122	TGS1 Low/Open
P2123	TGS1 High
P2127	TGS2 Low/Open
P2128	TGS2 High
P2135	TPS Voltage Correlation Error
P2138	TGS Voltage Correlation Error
P2176	EFI Closed Postion 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

Battery, Ignition, Lighting, ccessories

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
B1101	LHCM Turn Signal Bulb Out
B1103	LHCM Internal Fault
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
B1126	Right 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
B1151	RHCM Turn Signal Bulb Out

B1152	(Sidecar) BAS High TSM/TSSM
B1153	(Sidecar) BAS Out Of Range TSM/TSSM
B1153	RHCM Internal Fault
B1154	Clutch Switch Input Short To Ground
B1155	Neutral Switch Input Short To Battery
B1200	Instrument Internal Fault
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	Fuel Pump Output Open
B2117	Fuel Pump Output Shorted High
B2118	Fuel Pump Output Shorted Low
B2119	Fuel Pump 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 Output Shorted High

B2169	Running Lights Output Shorted Low
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

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 Frequency Out Of Range
C1032	Front Wheel Speed Sensor Open or Shorted
C1034	Rear Wheel Speed Sensor Open or Shorted
C1041	Rear Actuator Circuit Low/Open
C1042	Front Actuator Circuit 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/td>
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 Realease Solenoid Circuit Shorted Low

CAN bus

U0001	CAN bus Fault
U0011	CAN bus Low Shorted / 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 Communic. 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 Communicat. With Radio Satellite
U1314	Infotainment Bus Lost Communication With Navigation
U1317	Infotainment Bus Lost Communi. With High-Out Amplifier

