



## **Ford Motor Company Group Diagnostic Trouble Codes**

Here is the list of DTC's. This is a HUGE file (48 pages ) so it's probably easiest to use your scroll function to locate the code you're looking for.  
The P0000 to P1000 are all EOBD Codes.

**First digit structure is as follows:**

- Pxxxx for powertrain
- Bxxxx for body
- Cxxxx for chassis
- Uxxxx for future systems

**Second digit structure is:**

- P0xxx Government required codes
- P1xxx Manufacturer codes for additional emission system function; not required but reported to the government

**Third digit structure is:**

- Px1xx measurement of air and fuel
- Px2xx measurement of air and fuel
- Px3xx ignition system
- Px4xx additional emission control
- Px5xx speed and idle regulation
- Px6xx computer and output signals
- Px7xx transmission
- Px8xx transmission
- Px9xx control modules, input and output signals

**The fourth and fifth digits designate the individual components and systems.**

P0100 Mass Air Flow Circuit Malfunction  
P0101 Mass Air Flow Circuit Range/Performance Problem  
P0102 MAF Circuit Low Input  
P0103 MAF Circuit High Input  
P0104 MAF Circuit Intermittent  
P0105 MAP/BP Circuit Malfunction  
P0106 MAP/BP Sensor Range/Performance Problem  
P0107 MAP/BP Sensor Low Input  
P0108 MAP/BP Sensor High Input  
P0109 MAP/BP Circuit Intermittent  
P0110 IAT Circuit Malfunction  
P0111 IAT Circuit Range/Performance Problem  
P0112 IAT Circuit Low Input  
P0113 IAT Circuit High Input  
P0114 IAT Circuit Intermittent  
P0115 ECT Circuit Malfunction  
P0116 ECT Circuit Range/Performance Problem  
P0117 ECT Circuit Low Input  
P0118 ECT Circuit High Input  
P0119 ECT Intermittent  
P0120 TP Sensor A Circuit Malfunction  
P0121 TP Sensor A Circuit Range/Performance Problem  
P0122 TP Sensor A Circuit Low Input  
P0123 TP Sensor A Circuit High Input  
P0124 TP Sensor A Circuit Intermittent  
P0125 Insufficient Coolant Temp For Closed Loop Fuel Control  
P0126 Insufficient Coolant Temp For Stable Operation  
P0128 Coolant Thermostat Malfunction  
P0130 Heated O2 Sensor Circuit Malfunction (Bank 1, Sensor 1)  
P0131 Heated O2 Circuit Low Voltage (Bank 1, Sensor 1)  
P0132 Heated O2 Sensor Circuit High Voltage (Bank 1, Sensor 1)  
P0133 Heated O2 Sensor Circuit Slow Response (Bank 1, Sensor 1)  
P0134 Heated O2 Sensor Circuit No Activity Detected (Bank 1, Sensor 1)  
P0135 Heated O2 Sensor Heater Circuit Malfunction (Bank 1, Sensor 1)  
P0136 Heated O2 Sensor Circuit Malfunction (Bank 1, Sensor 2)  
P0137 Heated O2 Sensor Circuit Low Voltage (Bank 1, Sensor 2)  
P0138 Heated O2 Sensor Circuit High Voltage (Bank 1, Sensor 2)  
P0139 Heated O2 Sensor Circuit Slow Response (Bank 1, Sensor 2)  
P0140 Heated O2 Sensor Circuit No Activity Detected (Bank 1, Sensor 2)  
P0141 Heated O2 Sensor Heater Circuit Malfunction (Bank 1, Sensor 2)  
P0142 Heated O2 Sensor Circuit Malfunction (Bank 1, Sensor 3)  
P0143 Heated O2 Sensor Circuit Low Voltage (Bank 1, Sensor 3)  
P0144 Heated O2 Sensor Circuit High Voltage (Bank 1, Sensor 3)  
P0145 Heated O2 Sensor Circuit Slow Response (Bank 1, Sensor 3)  
P0146 Heated O2 Sensor Circuit No Activity Detected (Bank 1, Sensor 3)  
P0147 Heated O2 Sensor Heater Circuit Malfunction (Bank 1, Sensor 3)  
P0150 Heated O2 Sensor Circuit Malfunction (Bank 2, Sensor 1)  
P0151 Heated O2 Sensor Circuit Low Voltage (Bank 2, Sensor 1)  
P0152 Heated O2 Sensor Circuit High Voltage (Bank 2, Sensor 1)  
P0153 Heated O2 Sensor Circuit Slow Response (Bank 2, Sensor 1)  
P0154 Heated O2 Sensor Circuit No Activity Detected (Bank 2, Sensor 1)  
P0155 Heated O2 Sensor Heater Circuit Malfunction (Bank 2, Sensor 1)  
P0156 Heated O2 Sensor Circuit Malfunction (Bank 2, Sensor 1)  
P0157 Heated O2 Sensor Circuit Low Voltage (Bank 2, Sensor 2)  
P0158 Heated O2 Sensor Circuit High Voltage (Bank 2, Sensor 2)

P0159 Heated O2 Sensor Circuit Slow Response (Bank 2, Sensor 2)  
P0160 Heated O2 Sensor Circuit No Activity Detected (Bank 2, Sensor 2)  
P0161 Heated O2 Sensor Heater Circuit Malfunction (Bank 2, Sensor 2)  
P0170 Fuel Trim Malfunction (Bank 1)  
P0171 System Too Lean (Bank 1)  
P0172 System Too Rich (Bank 1)  
P0173 Fuel Trim Malfunction (Bank 2)  
P0174 System Too Lean (Bank 2)  
P0175 System Too Rich (Bank 2)  
P0176 Fuel Composition Sensor Circuit Fault  
P0177 Fuel Composition Sensor Circuit Range/Performance  
P0178 Fuel Composition Sensor Circuit Low Input  
P0179 Fuel Composition Sensor Circuit High Input  
P0180 Fuel Temperature Sensor A Circuit Malfunction  
P0181 Fuel Temperature Sensor A Circuit Range/Performance  
P0182 Fuel Temperature Sensor A Circuit Low Input  
P0183 Fuel Temperature Sensor A Circuit High Input  
P0184 Fuel Temperature Sensor A Circuit Intermittent  
P0185 Fuel Temperature Sensor B Circuit Malfunction  
P0186 Fuel Temperature Sensor B Circuit Range/Performance  
P0187 Fuel Temperature Sensor B Circuit Low Input  
P0188 Fuel Temperature Sensor B Circuit High Input  
P0189 Fuel Temperature Sensor B Circuit Intermittent  
P0190 Fuel Rail Pressure Sensor Circuit Malfunction  
P0191 Fuel Rail Pressure Sensor Circuit Range/Performance  
P0192 Fuel Rail Pressure Sensor Circuit Low Input  
P0193 Fuel Rail Pressure Sensor Circuit High Input  
P0195 Engine Oil Temperature Sensor Circuit Malfunction  
P0196 Engine Oil Temperature Sensor Range/Performance  
P0197 Engine Oil Temperature Sensor Low  
P0198 Engine Oil Temperature Sensor High  
P0199 Engine Oil Temperature Sensor Intermittent  
P0200 Injector Circuit Malfunction  
P0201 Injector Circuit Malfunction - Cylinder #1  
P0202 Injector Circuit Malfunction - Cylinder #2  
P0203 Injector Circuit Malfunction - Cylinder #3  
P0204 Injector Circuit Malfunction - Cylinder #4  
P0205 Injector Circuit Malfunction - Cylinder #5  
P0206 Injector Circuit Malfunction - Cylinder #6  
P0207 Injector Circuit Malfunction - Cylinder #7  
P0208 Injector Circuit Malfunction - Cylinder #8  
P0209 Injector Circuit Malfunction - Cylinder #9  
P0210 Injector Circuit Malfunction - Cylinder #10  
P0211 Injector Circuit Malfunction - Cylinder #11  
P0212 Injector Circuit Malfunction - Cylinder #12  
P0213 Cold Start Injector #1 Malfunction  
P0214 Cold Start Injector #2 Malfunction  
P0215 Engine Shutoff Solenoid Malfunction  
P0216 Injection Timing Control Circuit Malfunction  
P0217 Engine Overtemp Condition  
P0218 Transmission Overtemp Condition  
P0219 Engine Overspeed Condition  
P0220 Throttle/Pedal Position Sensor/Switch B Circuit Malfunction  
P0221 Throttle/Pedal Position Sensor/Switch B Performance Problem  
P0222 Throttle Position Sensor B Circuit Low Input

P0223 Throttle Position Sensor B Circuit High Input  
P0224 Throttle Position Sensor B Intermittent  
P0225 Throttle Position Sensor C Circuit Malfunction  
P0227 Throttle Position Sensor C Circuit Low Input  
P0228 Throttle Position Sensor C Circuit High Input  
P0229 Throttle Position Sensor C Intermittent  
P0230 Fuel Pump Primary Circuit Malfunction  
P0231 Fuel Pump Secondary Circuit Low  
P0232 Fuel Pump Secondary Circuit High  
P0233 Fuel Pump Secondary Circuit Intermittent  
P0234 Engine Overboost Condition  
P0235 Turbocharger Boost Sensor A Circuit Malfunction  
P0236 Turbocharger Boost Sensor A Performance  
P0237 Turbocharger Boost Sensor A Circuit Low  
P0238 Turbocharger Boost Sensor A Circuit High  
P0239 Turbocharger Boost Sensor B Circuit Malfunction  
P0240 Turbocharger Boost Sensor B Circuit Range/Performance  
P0241 Turbocharger Boost Sensor B Circuit Low  
P0242 Turbocharger Boost Sensor B Circuit High  
P0243 Wastegate Solenoid A Malfunction  
P0244 Wastegate Solenoid A Range/Performance  
P0245 Wastegate Solenoid A Low  
P0246 Wastegate Solenoid A High  
P0247 Wastegate Solenoid B Malfunction  
P0248 Wastegate Solenoid B Range/Performance  
P0249 Wastegate Solenoid B Low  
P0250 Wastegate Solenoid B High  
P0251 Injection Pump Fuel Metering Control A Malfunction  
P0252 Injection Pump Fuel Metering Control A Range/Performance  
P0253 Injection Pump Fuel Metering Control A Low  
P0254 Injection Pump Fuel Metering Control A High  
P0255 Injection Pump Fuel Metering Control A Intermittent  
P0256 Injection Pump Fuel Metering Control B Malfunction  
P0257 Injection Pump Fuel Metering Control B Range/Performance  
P0258 Injection Pump Fuel Metering Control B Low  
P0259 Injection Pump Fuel Metering Control B High  
P0260 Injection Pump Fuel Metering Control B Intermittent  
P0261 Injector Circuit Low - Cylinder #1  
P0262 Injector Circuit High - Cylinder #1  
P0263 Cylinder #1 Balance Fault  
P0264 Injector Circuit Low - Cylinder #2  
P0265 Injector Circuit High - Cylinder #2  
P0266 Cylinder #2 Balance Fault  
P0267 Injector Circuit Low - Cylinder #3  
P0268 Injector Circuit High - Cylinder #3  
P0269 Cylinder #3 Balance Fault  
P0270 Injector Circuit Low - Cylinder #4  
P0271 Injector Circuit High - Cylinder #4  
P0272 Cylinder #4 Balance Fault  
P0273 Injector Circuit Low - Cylinder #5  
P0274 Injector Circuit High - Cylinder #5  
P0275 Cylinder #5 Balance Fault  
P0276 Injector Circuit Low - Cylinder #6  
P0277 Injector Circuit High - Cylinder #6  
P0278 Cylinder #6 Balance Fault

P0279 Injector Circuit Low - Cylinder #7  
P0280 Injector Circuit High - Cylinder #7  
P0281 Cylinder #7 Balance Fault  
P0282 Injector Circuit Low - Cylinder #8  
P0283 Injector Circuit High - Cylinder #8  
P0284 Cylinder #8 Balance Fault  
P0285 Injector Circuit Low - Cylinder #9  
P0286 Injector Circuit High - Cylinder #9  
P0287 Cylinder #9 Balance Fault  
P0288 Injector Circuit Low - Cylinder #10  
P0289 Injector Circuit High - Cylinder #10  
P0290 Cylinder #10 Balance Fault  
P0291 Injector Circuit Low - Cylinder #11  
P0292 Injector Circuit High - Cylinder #11  
P0293 Cylinder #11 Balance Fault  
P0294 Injector Circuit Low - Cylinder #12  
P0295 Injector Circuit High - Cylinder #12  
P0296 Cylinder #12 Balance Fault  
P0300 Random Misfire Detected  
P0301 Cylinder #1 Misfire Detected  
P0302 Cylinder #2 Misfire Detected  
P0303 Cylinder #3 Misfire Detected  
P0304 Cylinder #4 Misfire Detected  
P0305 Cylinder #5 Misfire Detected  
P0306 Cylinder #6 Misfire Detected  
P0307 Cylinder #7 Misfire Detected  
P0308 Cylinder #8 Misfire Detected  
P0309 Cylinder #9 Misfire Detected  
P0310 Cylinder #10 Misfire Detected  
P0311 Cylinder #11 Misfire Detected  
P0312 Cylinder #12 Misfire Detected  
P0320 Ignition Engine Speed Input Circuit Malfunction  
P0321 Ignition Engine Speed Input Circuit Range/Performance  
P0322 Ignition Engine Speed Input Circuit No Signal  
P0323 Ignition Engine Speed Input Circuit Intermittent  
P0325 Knock Sensor 1 Circuit Malfunction  
P0326 Knock Sensor 1 Circuit Range/Performance  
P0327 Knock Sensor 1 Circuit Low Input  
P0328 Knock Sensor 1 Circuit High Input  
P0329 Knock Sensor 1 Circuit Intermittent  
P0330 Knock Sensor 2 Circuit Malfunction  
P0331 Knock Sensor 2 Circuit Range/Performance  
P0332 Knock Sensor 2 Circuit Low Input  
P0333 Knock Sensor 2 Circuit High Input  
P0334 Knock Sensor 2 Circuit Intermittent  
P0335 Crankshaft Position Sensor A Circuit Malfunction  
P0336 Crankshaft Position Sensor A Circuit Range/Performance  
P0337 Crankshaft Position Sensor A Circuit Low Input  
P0338 Crankshaft Position Sensor A Circuit High Input  
P0339 Crankshaft Position Sensor A Circuit Intermittent  
P0340 Camshaft Position Sensor Circuit Malfunction  
P0341 Camshaft Position Sensor Circuit Performance  
P0342 Camshaft Position Sensor Circuit Low Input  
P0343 Camshaft Position Sensor Circuit High Input  
P0344 Camshaft Position Sensor Circuit Intermittent

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