



**POWERTRAIN CONTROL SYSTEM  
ELECTRONICS DIAGNOSTIC GUIDE**

**2002 F-Series/Excursion and Econoline**

Fault Code	Circuit Index	Condition Description	Probable Causes
0107	* BARO	Barometric press sensor circuit low input	Internal BARO failed (PCM)
0108	* BARO	Barometric press sensor circuit high input	Internal BARO failed (PCM)
0112	* IAT	Intake air temp sensor circuit low input	Grounded circuit, IAT sensor, PCM
0113	* IAT	Intake air temp sensor circuit high input	Open/short to power circuit, IAT sensor, PCM
0117	ECT	Engine coolant temp sensor circuit low input	Grounded circuit, ECT sensor, PCM
0118	ECT	Engine coolant temp sensor circuit high input	Open/short to power circuit, ECT sensor, PCM
0122	* AP/ETC	Accelerator pedal sensor circuit low input	Grounded circuit, AP/ETC sensor, PCM
0123	* AP/ETC	Accelerator pedal sensor circuit high input	Open/short to power circuit, AP/ETC sensor, PCM
0197	* EOT	Engine oil temp sensor circuit low input	Grounded circuit, EOT sensor, PCM
0198	* EOT	Engine oil temp sensor circuit high input	Open/short to power circuit, EOT sensor, PCM
0220	TEST	Throttle switch B circuit malfunction	IVS Switch not detected during self-test, circuit, switch
0221	* AP/IVS	Throttle switch B circuit performance	Failed pedal assembly
0230	FP	Fuel Pump relay driver failure	Open FP relay, blown fuse, open/grounded circuit
0231	* FP	Fuel Pump circuit failure	Fuse, relay, inertia switch, fuel pump, open/short circuit
0232	FP	Fuel Pump circuit failure	Relay failure, short circuit, pump failure
0236	* MAP	Turbo boost sensor A circuit performance	MAP sensor, BP sensor or circuit failure
0237	* MAP	Turbo boost sensor A circuit low input	Circuit open, short to ground, MAP sensor
0238	* MAP	Turbo boost sensor A circuit high input	Circuit short to power, MAP sensor
0261	* INJ	Injector circuit low - Cylinder 1	Harness short to ground
0262	INJ	Injector circuit high - Cylinder 1	Miswired connector or harness
0263	INJ	Cylinder 1 contribution/balance fault	Power cylinder, valve train or injector problem, circuit
0264	* INJ	Injector circuit low - Cylinder 2	Harness short to ground
0265	INJ	Injector circuit high - Cylinder 2	Miswired connector or harness
0266	INJ	Cylinder 2 contribution/balance fault	Power cylinder, valve train or injector problem, circuit
0267	* INJ	Injector circuit low - Cylinder 3	Harness short to ground
0268	INJ	Injector circuit high - Cylinder 3	Miswired connector or harness
0269	INJ	Cylinder 3 contribution/balance fault	Power cylinder, valve train or injector problem, circuit
0270	* INJ	Injector circuit low - Cylinder 4	Harness short to ground
0271	INJ	Injector circuit high - Cylinder 4	Miswired connector or harness
0272	INJ	Cylinder 4 contribution/balance fault	Power cylinder, valve train or injector problem, circuit
0273	* INJ	Injector circuit low - Cylinder 5	Harness short to ground
0274	INJ	Injector circuit high - Cylinder 5	Miswired connector or harness
0275	INJ	Cylinder 5 contribution/balance fault	Power cylinder, valve train or injector problem, circuit
0276	* INJ	Injector circuit low - Cylinder 6	Harness short to ground
0277	INJ	Injector circuit high - Cylinder 6	Miswired connector or harness
0278	INJ	Cylinder 6 contribution/balance fault	Power cylinder, valve train or injector problem, circuit
0279	* INJ	Injector circuit low - Cylinder 7	Harness short to ground
0280	INJ	Injector circuit high - Cylinder 7	Miswired connector or harness
0281	INJ	Cylinder 7 contribution/balance fault	Power cylinder, valve train or injector problem, circuit
0282	* INJ	Injector circuit low - Cylinder 8	Harness short to ground
0283	INJ	Injector circuit high - Cylinder 8	Miswired connector or harness
0284	INJ	Cylinder 8 contribution/balance fault	Power cylinder, valve train or injector problem, circuit
0301-0308	* INJ	Fault cylinder 1-8 - Misfire Detected	No compression, mechanical engine failure
0340	CMP	Camshaft position sensor ckt malfunction	Open/short circuit, CAMP sensor
0341	* CMP	Camshaft position sensor ckt performance	Harness routing, charging circuit, sensor
0344	* CMP	Camshaft position sensor ckt intermittent	Open/short ckt, sensor/gap, low fuel pressure/no start
0380	* GPC	Glow plug circuit malfunction	Open/short ckt, GPCM/GP relay, PCM
0381	* GPL	Glow plug indicator circuit malfunction	Open/short circuit, lamp, fuse, PCM
0460	FLI	Fuel Level Sensor Circuit Malfunction	Open/short circuit, cluster, tank unit, open case GND
0470	EBP	Exhaust press sensor circuit malfunction	EBP sensor, open signal return ckt
0471	* EBP	Exhaust press sensor circuit performance	Plugged, stuck, sensor or leaking hose/tube
0472	* EBP	Exhaust press sensor circuit low input	Open/short to GND circuit, EBP sensor, PCM
0473	* EBP	Exhaust press sensor circuit high input	Circuit shorted to power, EBP sensor, PCM
0475	* EPR	Exhaust press control valve malfunction	Open/short circuit, EBP solenoid, PCM
0476	TEST	Exhaust press control valve performance	Failed/stuck EPR, EBP fault, EPR circuit
0478	* EPR	Exhaust press control valve high input	Plugged sensor line, stuck butterfly, restricted exhaust
0500	* VSS	Vehicle speed sensor malfunction	Sensor, circuit, PCM, PSOM, low trans fluid
0503	VSS	Vehicle speed sensor noisy	Harness routing, sensor