

Fault Code Diagnostics for EEC IV

Here I hope is the definitive list of Mondeo Fault codes for the EEC IV. I've compiled this from several sources

Folks with cars later than mid 95 have the EEC V unit and should visit <http://www.obd-2.com/>

Command Codes for EEC IV

CODE	MEANING	ACTION
010	Separator/Command Code	Momentarily depress accelerator pedal fully
020	Command Code	Momentarily depress brake pedal fully
030	Command Code	Momentarily depress brake pedal fully

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Fault Codes for EEC IV

CODE	MEANING	ACTION
1 - 8	Cylinder No (as code) low power	Cylinder balance test
9	Pass	Cylinder balance test
10	Cylinder No. 1 low	Cylinder balance test
11	Cylinder No. 2 low	Cylinder balance test
12	Cylinder No. 3 low	Cylinder balance test
12	Cylinder No. 4 low	Cylinder balance test
111	All systems OK	
112	Low voltage air change temperature sensor (ACT)	Normal operating temp not reached
113	High voltage air change temperature sensor (ACT)	Normal operating temp not reached
114	Out of range voltage air change temperature sensor (ACT)	Normal operating temp not reached
116	Out of range Engine coolant temperature sensor (ECT)	Normal operating temp not reached
117	Low voltage Engine coolant temperature sensor (ECT)	Normal operating temp not reached
118	High voltage Engine coolant temperature sensor (ECT)	Normal operating temp not reached
121	Outside range throttle position sensor (TPS)	
122	Low voltage throttle position sensor (TPS)	
123	High voltage throttle position sensor (TPS)	
124	Above spec throttle position sensor (TPS)	
125	Below spec throttle position sensor (TPS)	
126	MAP voltage above spec	
128	MAP sensor/vacuum hose fault	
129	MAF sensor, no MAF change during throttle depression	Repeat self test procedure
136	Lambda sensor (left) mixture lean	
137	Lambda sensor (left) mixture rich	
139	Lambda sensor (left)	
144	Lambda sensor (right)	
157	Low voltage mass air flow sensor (MAF)	
158	HIGH voltage mass air flow sensor (MAF)	
159	Outside range mass air flow sensor (MAF)	
167	Throttle position sensor (TPS). No change during throttle depression	Repeat self test procedure
171	Lambda sensor (right)	

172	Lambda sensor (right) too lean	
173	Lambda sensor (right) too rich	
174	Lambda sensor (right) slow response	
175	Lambda sensor (left)	
176	Lambda sensor (left) too lean	
177	Lambda sensor (left) too rich	
178	Lambda sensor (left) slow response	
179	Fuel system lean, part throttle	
181	Fuel system rich, part throttle	
182	Idle mixture too lean	Idle speed control valve (ISC)
183	Idle mixture too rich	Idle speed control valve (ISC)
184	Above spec manifold air flow sensor	
185	Below spec manifold air flow sensor	
186	Too long injection time pulse width	
187	Too short injection time pulse width	
188	Lambda sensor on left, mixture too lean (part throttle)	
189	Lambda sensor on left, mixture too rich (part throttle)	
191	Idle mixture too lean, left hand Lambda sensor	Check EGR valve, check ISC valve
192	Idle mixture too rich, right hand Lambda sensor	Check EGR valve, check ISC valve
193	Flexible fuel sensor circuit	
194	Lambda sensor	
195	Lambda sensor	
211	PIP signal	
212	Tach, circuit, SPOUT grounded. SPOUT circuit, open circuit	
213	Tach, circuit, SPOUT grounded. SPOUT circuit, open circuit	
214	CID circuit failure	
215	#1 Coil	
216	#2 Coil	
217	#3 Coil	
218	Tachometer circuit	
219	Spark timing default to 10 deg	rectify SPOUT circuit
220	Tachometer circuit	
221	Spark timing error	
225	Knock sensor	
226	EEC IV/EDIS module pulse	
227	Engine speed/crankshaft position sensor (CPS)	
228	EDIS module/ignition coil winding 1	
229	EDIS module/ignition coil winding 2	
231	EDIS module/ignition coil winding 3	
232	Primary circuit of ignition coil (IGC)	
233	EDIS module	
234	Ignition Coil (IGC)	
235	Ignition Coil (IGC)	
236	Ignition Coil (IGC)	
237	Ignition Coil (IGC)	

238	EDIS module/ignition coil	
239	PIP signal present when cranking	
241	EEC IV/EDIS module, incorrect self test data	Repeat self test procedure
243	Coil failure	
244	Cylinder identification fault when power balance requested	
311 - 316	Pulse air/thermactar air system faulty	
326	Electronic pressure transducer (EPT)/differential pressure feedback exhaust (DPFE) sensor	
327	Electronic pressure transducer (EPT)/differential pressure feedback exhaust (DPFE) sensor/electronic vacuum regulator (EVR)	
328	Electronic vacuum regulator (EVR)	
332	EGR valve not opening	
334	Electronic vacuum regulator	
335	Electronic pressure transducer (EPT)/differential pressure feedback exhaust (DPFE) sensor	
336	Exhaust pressure too high	
337	Electronic pressure transducer (EPT)/differential pressure feedback exhaust (DPFE) sensor/electronic vacuum regulator (EVR)	
338	Cooling System	
339	Cooling System	
341	Octane adjust (service multiplug) grounded	Disconnect for self test, reconnect after
411	Engine speed during self test too low	Cure induction leaks, repeat test
412	Engine speed during self test too low	Cure induction leaks, repeat test
413 - 416	ISC valve	Cure induction leaks, repeat test
452	Vehicle speed sensor	
453	Servo leaking down	
454	Servo leaking up	
455	Insufficient RPM increase	
456	Insufficient RPM decrease	
457 - 458	Speed control fault	
511	ROM fault	Battery disconnected, check KAM fuse. if OK module faulty
512	Keep alive memory (KAM) fault	Battery disconnected, check KAM fuse. if OK module faulty
513	EEC IV module reference voltage V	
519	Power steering pressure switch (PSPS) not activated during self test	Repeat test
521	Power steering pressure switch (PSPS) not activated during self test	Repeat test
522	Neutral/drive switch (NDS)	
525	Vehicle in gear or air conditioning on	
528	Clutch switch error	
536	Brake on/off (BOO) switch not activated during self test	Repeat test
538	Operating error during self test. Air Conditioning switched on	Repeat test
539	Operating error during self test. Air Conditioning switched on	Repeat test
542	Fuel pump (FP) circuit failure	

543	Fuel pump (FP) circuit failure	
551	Idle speed control (ISC) circuit failure	
552	Pulse air circuit failure	
554	Fuel pressure regulator control circuit failure	
556	Electrical circuit of fuel pump	
557	Low speed fuel pump circuit	
558	Electrical circuit of (EVR) electronic vacuum regulator	
563	High speed electric drive fan relay/circuit (HEDF) failure	
564	Electronic drive fan relay/circuit (EDF) failure	
565	Canister purge solenoid (CANP)	
566	3rd/4th gear solenoid (ATA)	
573	Electronic drive fan relay/circuit (EDF) failure	
574	High speed electronic drive fan relay/circuit (HEDF) failure	
575	Fuel pump circuit and/or inertia switch circuit	
576	Kick down switch (KDS)	Repeat test
577	Kick down switch (KDS) not activated during self test	Repeat test
583	Power to fuel pump fault	
612	4/3 switch failed open circuit	
613	4/3 switch failed open circuit	
614	3/2 switch short circuit	
615	3/2 switch failed short circuit	
621	Shift solenoid 1 circuit failed	
622	Shift solenoid 2 circuit failed	
624	EPC solenoid failure	
625	EPC solenoid circuit failure	
628	MLUS Failure	
629	Torque converter lock up clutch solenoid (LUS)	
634	Neutral drive switch (NDS) circuit failure	
635	Transmission temperature switch failure	
637	Transmission temperature switch failure	
639	TSS failure	
645	1st gear failure	
646	2nd gear failure	
647	3rd gear failure	
648	4th gear failure	
649	ETV failure	
651	ETV intermittent failure	
652	MLUS circuit failure	
653	Transmission control switch not activated during self test	Repeat test
998	Fault in ECT/ACT/MAF/TPR circuit	

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