

DIAGNOSTIC TROUBLE CODES	DEFINITIONS
111	System Pass
112	Intake Air Temp (IAT) sensor circuit below minimum voltage / 254°F indicated
113	Intake Air Temp (IAT) sensor circuit above maximum voltage / -40°F indicated
114	Intake Air Temp (IAT) higher or lower than expected
116	Engine Coolant Temp (ECT) higher or lower than expected
117	Engine Coolant Temp (ECT) sensor circuit below minimum voltage / 254°F indicated
118	Engine Coolant Temp (ECT) sensor circuit above maximum voltage / -40°F indicated
121	Closed throttle voltage higher or lower than expected
121	Indicates throttle position voltage inconsistent with the MAF sensor
122	Throttle Position (TP) sensor circuit below minimum voltage
123	Throttle Position (TP) sensor circuit above maximum voltage
124	Throttle Position (TP) sensor voltage higher than expected
125	Throttle Position (TP) sensor voltage lower than expected
126	MAP / BARO sensor higher or lower than expected
128	MAP sensor vacuum hose damaged / disconnected
129	Insufficient MAP / Mass Air Flow (MAF) change during dynamic response test KOER
136	Lack of Heated Oxygen Sensor (HO2S-2) switch during KOER, indicates lean (Bank #2)
137	Lack of Heated Oxygen Sensor (HO2S-2) switch during KOER, indicates rich (Bank #2)
138	Cold Start Injector (CSI) flow insufficient KOER
139	No Heated Oxygen Sensor (HO2S-2) switches detected (Bank #2)
144	No Heated Oxygen Sensor (HO2S-1) switches detected (Bank #1)
157	Mass Air Flow (MAF) sensor circuit below minimum voltage
158	Mass Air Flow (MAF) sensor circuit above maximum voltage
159	Mass Air Flow (MAF) higher or lower than expected
167	Insufficient throttle position change during dynamic response test KOER
171	Fuel system at adaptive limits, Heated Oxygen Sensor (HO2S-1) unable to switch (Bank #1)
172	Lack of Heated Oxygen Sensor (HO2S-1) switches, indicates lean (Bank #1)
173	Lack of Heated Oxygen Sensor (HO2S-1) switches, indicates rich (Bank #1)
175	Fuel system at adaptive limits, Heated Oxygen Sensor (HO2S-2) unable to switch (Bank #2)
176	Lack of Heated Oxygen Sensor (HO2S-2) switches, indicates lean (Bank #2)
177	Lack of Heated Oxygen Sensor (HO2S-2) switches, indicates rich (Bank #2)
179	Fuel system at lean adaptive limit at part throttle, system rich (Bank #1)
181	Fuel system at rich adaptive limit at part throttle, system lean (Bank #1)
184	Mass Air Flow (MAF) higher than expected
185	Mass Air Flow (MAF) lower than expected
186	Injector pulsewidth higher than expected (with BARO sensor)
186	Injector pulsewidth higher or MAF lower than expected (without BARO sensor)
187	Injector pulsewidth lower than expected (with BARO sensor)
187	Injector pulsewidth lower or MAF higher than expected (without BARO sensor)
188	Fuel system at lean adaptive limit at part throttle, system rich (Bank #2)
189	Fuel system at rich adaptive limit at part throttle, system lean (Bank #2)
193	Flexible Fuel (FF) sensor circuit failure