

Turn the ignition off and then start the car, the check engine light should be out. It is always a good idea to check for codes, clear them and then drive the vehicle to see if they return before replacing parts. The transmission can ask the check engine light to be turned on, so if you try clearing A2 codes and they wont go away try reading the transmission (A1), clear them , and then go back to A2.

<b>On Board DTC Code</b>	<b>Generic OBD Code Meaning</b>
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<b>A1 — Transmission</b>	
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111	No faults found
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112	Solenoid S1 short circuit to battery voltage
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113	Transmission control module (TCM) fault
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114	Program selector open circuit or short circuit to supply
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121	Solenoid S1 short circuit to ground or control module fault
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122	Solenoid S1 open circuit
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123	Solenoid STH short circuit to battery voltage
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124	Mode selector faulty or short circuit to ground
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131	Solenoid STH open/short circuit or control module fault
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132	Transmission control module(TCM) fault
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134	Faulty load signal from ignition control module
141	Oil temperature sensor short circuit to ground
142	Oil temperature sensor open circuit
143	Kickdown switch faulty or short to ground
211	Transmission control module (TCM) fault
212	S2 solenoid short circuit to battery
213	Throttle position (TPS) signal too high
221	S2 solenoid short circuit to ground or control module fault
222	S2 solenoid open circuit
223	Throttle position (TPS) sensor signal too low
231	Throttle position (TPS) sensor sporadic
232	Speedometer signal missing
233	Incorrect speedometer signal
235	High Oil temperature
245	Open or short in Torque limiting circuit

311 RPM signal from transmission missing

312 RPM signal from transmission faulty

313 Faulty signal from gear position sensor (PNP)

321 Shift time too long

322 Incorrect gear ratio

323 Lock up slips or is not engaged

331 Short circuit to battery in SL circuit

332 SL solenoid open or control module fault

333 SL solenoid short or control module fault

## A2 — Fuel System

111 No faults detected

112 Fault in ECM

115 Injector 1

121 MAF sensor signal

123 ECT signal

125	Injector 2
131	RPM sensor signal missing
132	Battery voltage
135	Injector 3
143	Front knock sensor signal
145	Injector 4
153	Rear HO2S signal
154	EGR system leakage
155	Injector 5
212	Front HO2S signal
214	RPM sensor signal sporadic
223	IAC valve opening signal
225	A/C pressure sensor signal
231	Long term fuel trim, part load
232	Long term fuel trim, idling

233	Long term idle air trim
241	EGR system flow malfunction
245	IAC valve closing signal
311	VSS signal
314	CMP sensor signal
315	EVAP system
325	Memory failure
335	Request for MIL lighting from TCM
411	TP sensor signal
413	EGR temp sensor signal
414	Boost pressure regulation
416	Boost pressure reduction from TCM
432	Temperature warning level 1
433	Rear knock sensor signal
435	Front HO2S slow response

436 Rear HO2S compensation

443 Three way cat. Efficiency

444 Acceleration signal

451 Misfire cylinder 1

452 Misfire cylinder 2

453 Misfire cylinder 3

454 Misfire cylinder 4

455 Misfire cylinder 5

513 Temperature warning level 2

514 Engine cooling fan low speed signal

521 Front HO2S Preheating

522 Rear HO2S Preheating

531 Power stage group A

532 Power stage group B

533 Power stage group C

534 Power stage group D

535 TC control valve signal

541 EVAP valve signal

542 Misfire more than one cylinder

543 Misfire at least one cylinder

544 Misfire more than one cylinder, three way cat damage

545 Misfire at least one cylinder, three way cat damage

551 Misfire cylinder 1, three way cat damage

552 Misfire cylinder 2, three way cat damage

553 Misfire cylinder 3, three way cat damage

554 Misfire cylinder 4, three way cat damage

555 Misfire cylinder 5, three way cat damage

### A3 — ABS

111 No DTC set

121 Left front wheel sensor, faulty signal 122 Right front wheel sensor, faulty signal 123 Left rear wheel sensor, faulty signal 124 Right rear wheel sensor, faulty signal 40 km/h

322	Right front wheel sensor, irregular >40 km/h
323	Left rear wheel sensor, irregular >40 km/h
324	Right rear wheel sensor, irregular >40 km/h
411	Left front wheel inlet valve, open/short
412	Left front wheel return valve, open/short
413	Right front wheel inlet valve, open/short
414	Right front wheel return valve, open/short
415	Rear valve open/short
421	Rear wheel inlet valve circuit, open/short
422	Rear wheel return valve circuit, open/short
423	Traction control system valve, open/short
424	Pressure switch for TRACS, faulty or short circuit
441	Control module faulty
442	Pump pressure low
443	Pump motor, electrical or mechanical fault



444 No power supply to valves in hydraulic unit

A6 — Ignition

111 No DTC set

112 Control Module fault

123 Engine Coolant Temperature Sensor (ECT) from Control module missing or faulty

131 Engine speed (RPM) sensor signal missing

142 Control Module Fault

143 Knock sensor (KS) missing or faulty

144 Ignition control module load signal missing

154 EGR system flow too high in system

214 Engine speed (RPM) sensor signal missing sporadically

224 Engine Coolant Temperature sensor (ECT) signal missing or faulty

234 Throttle Position (TPS) signal missing at idle

241 EGR system flow too low in system

243 Throttle Position sensor (TPS) signal missing at idle

311 Vehicle speed signal missing or faulty

314 Camshaft Position sensor (CMP) signal missing or faulty

324 Camshaft Position sensor (CMP) signal missing sporadically

411 Throttle position sensor (TPS) signal from fuel injection system missing or faulty

413 EGR temperature sensor signal faulty

432 Control module box temperature too high level 1

433 Knock sensor (KS) signal missing or faulty

513 Control module box temperature too high, level 2

A7 — Combined Instrument  
(Trip Computer)

112 Fuel gauge short circuit

113 Fuel gauge open circuit

121 Temp. sensor interval too short

122 Temp. sensor interval too long

123 Digital output 48 pulse short circuit to supply

131 Digital output 12 pulse short circuit to supply

132 No RPM sensor signal

133 Tank signal to trip computer short to supply

B1 — Electronic climate control

111 No fault

121 Outside temperature sensor shorted to ground

122 Outside temperature sensor open circuit or shorted to 12 volts

123 Driver's side interior temperature sensor shorted to ground

124 Driver's side interior temperature sensor open circuit or shorted to 12 volts

125 Passenger's side interior temperature sensor shorted to ground(earth)

126 Passenger's side interior temperature sensor open circuit or shorted to 12 volts

131 Driver's side air duct temperature sensor shorted to ground(earth)

132 Driver's side air duct temperature sensor open circuit or shorted to 12 volts

133 Passenger's side air duct temperature sensor shorted to ground(earth)

134 Passenger's side air duct temperature sensor open circuit or shorted to 12 volts

135 No signal from engine coolant temperature sensor

141	Faulty signal from driver's side temperature selector switch
143	Faulty signal from passenger's side temperature selector switch
145	Faulty signal from function selector switch
151	Signal from fan speed sensor missing or too high
152	Signal from fan speed sensor shorted to earth
211	Driver's side damper motor position sensor open circuit or shorted to 12 volts
212	Driver's side damper motor position sensor shorted to earth
221	Passenger's side damper motor position sensor open circuit or shorted to 12 volts
222	Passenger's side damper motor position sensor shorted to earth
231	Ventilation damper motor position sensor open circuit or shorted to 12 volts
232	Ventilation damper motor position sensor shorted to earth
233	Floor/defrost damper motor position sensor open circuit or shorted to 12 volts
234	Floor/defrost damper motor position sensor shorted to earth
235	Recirculation damper motor position sensor open circuit or shorted to 12 volts
236	Recirculation damper motor position sensor shorted to earth

311	Driver's side damper motor shorted to earth or shorted to 12 volts
312	Passenger's side damper motor shorted to earth or shorted to 12 volts
313	Ventilation damper motor shorted to earth or shorted to 12 volts
314	Floor/defrost damper motor shorted to earth or shorted to 12 volts
315	Recirculation damper motor shorted to earth or shorted to 12 volts
321	Driver's side damper motor active too long
322	Passenger's side damper motor active too long
323	Ventilation damper motor active too long
324	Floor/defrost damper motor active too long
325	Recirculation damper motor active too long
411	Blower fan seized or drawing excessive current
412	Driver's side interior temperature sensor inlet fan shorted to earth
413	No control voltage at driver's side interior temperature sensor inlet fan
414	Driver's side interior temperature sensor inlet fan seized
415	Passenger's side interior temperature sensor inlet fan shorted to earth

416 No control voltage at passenger's side interior temperature sensor inlet fan

417 Passenger's side interior temperature inlet fan seized

418 No control signal to blower fan power stage

419 Faulty diagnostic signal from blower fan power stage

420 ECU fault in program memory

511 Damper motor limit position self-adjustment not carried out

#### B2 — Cruise Control

111 No faults detected

112 Abnormal speed signal

122 Speed has not exceeded 22mph or no speed signal

211 Control module malfunction

212 Malfunction in the circuit to the vacuum pump or regulator

#### B5 — SRS

111 No fault detected

112 Sensor module fault

127 SRS lamp open/short circuit

211 Drivers airbag short circuit

212 Drivers airbag open circuit

213 Drivers airbag short circuit to ground

214 Drivers airbag short circuit to supply

221 Passenger airbag short circuit

222 Passenger airbag open circuit

223 Passenger airbag short circuit to ground

224 Passenger airbag short circuit to supply

231 Left belt tensioner short circuit

232 Left belt tensioner open circuit

233 Left belt tensioner short circuit to ground

234 Left belt tensioner short circuit to supply

241 Right belt tensioner short circuit

242 Right belt tensioner open circuit

243

Right belt tensioner short circuit to ground

244

Right belt tensioner short circuit to supply