

Acura OBD/OBD2 Codes >> 3.2TL (1999 – 2003)

General information

- Refer to the front of this manual for general test conditions, terminology, detailed descriptions of wiring faults and a general trouble shooter for electrical and mechanical faults.
- Engine control module (ECM) incorporates self-diagnosis function.
- Malfunction indicator lamp (MIL) will illuminate if certain faults are recorded.
- ECM operates in backup mode if sensors fail, to enable vehicle to be driven to workshop.

Accessing

Trouble codes can only be displayed by using a Scan Tool connected to the data link connector (DLC) [1] – 2002 or [2] – 2003.

Erasing

- After the faults have been rectified, trouble codes can be erased by using a Scan Tool connected to the data link connector (DLC) or as follows:
- Switch ignition OFF.
- Remove clock/backup fuse (7.5A) from RH fascia fusebox for 10 seconds minimum [3]
- Reinstall fuse.
- Repeat checking procedure to ensure no data remains in ECM fault memory.

Trouble code identification

Flash code	OBD-11 code	Fault location	Probable cause
–	PO, P2, uo	Refer to OBD-11 trouble code tables	–
1	–	Heated oxygen sensor (H02S) – front – circuit/voltage high/low	Wiring short/open circuit, H02S, fuel system, ECM
3	–	Manifold absolute pressure (MAP) sensor – circuit/voltage low/high	Wiring, MAP sensor, ECM
4	–	Crankshaft position (CKP) sensor – circuit malfunction/range/performance problem	Wiring, CKP sensor, ECM
5	–	Manifold absolute pressure (MAP) sensor – range/performance problem	Hose leak/blockage, MAP sensor

5	P1128	Manifold absolute pressure (MAP) sensor – pressure lower than expected	MAP sensor
5	P1129	Manifold absolute pressure (MAP) sensor – pressure higher than expected	MAP sensor
6	–	Engine coolant temperature (ECT) sensor – circuit/voltage low/high	Wiring short/open circuit, ECT sensor, ECM
7	–	Throttle position (TP) sensor – circuit! voltage low/high	Wiring, TP sensor, ECM
7	P1121	Throttle position (TP) sensor – position lower than expected	TP sensor
7	P1122	Throttle position (TP) sensor – position higher than expected	TP sensor
8	P1361	Crankshaft position (CKP) sensor 1 – intermittent signal	CKP sensor
8	P1362	Crankshaft position (CKP) sensor 1 – no signal	Wiring, CKP sensor, ECM
10	–	Intake air temperature (fAT) sensor-circuit! voltage low/high	Wiring short/open circuit, IAT sensor, ECM
12	P1491	Exhaust gas recirculation (EGR) system – valve lift insufficient	Wiring, EGR valve/position sensor, EGR
			solenoid, hose leak/blockage, ECM
12	P1498	Exhaust gas recirculation (EGR) valve position sensor – voltage high	Wiring, EGR valve/position sensor, ECM
13	P1106	Barometric pressure (BARO) sensor-range/performance problem	ECM

13	P1107	Barometric pressure (BARO) sensor-circuit/voltage low	Wiring, TCM, ECM
13	P1108	Barometric pressure (BARO) sensor-circuit/voltage high	ECM
14	–	Idle control system – malfunction	IAC valve, fast idle thermo valve, throttle body
14	P1519	Idle control system – malfunction	IAC valve, fast idle thermo valve, throttle body
20	P1297	Electrical load sensor – circuit/voltage low	Wiring, electrical load sensor, ECM
20	P1298	Electrical load sensor – circuit/voltage high	Wiring, electrical load sensor, ECM
22	P1259	VTEC system malfunction	Wiring, VTEC solenoid/pressure switch, ECM
23	–	Knock sensor (KS)- circuit malfunction	Wiring, KS, ECM
35	P1676	ABS/TCS control module – communication malfunction	Wiring, ABS/TCS control module, ECM
35	P1678	ABSrrcs control module – communication malfunction	Wiring, ABSrrcs control module, ECM
37	P1656	Electronic stability programme (ESP) control module – communication malfunction	Wiring, ESP control module
41	–	Heated oxygen sensor (H02S) – front – circuit malfunction	Wiring, ECM
45	–	Mixture too lean/rich	Fuel system, front H02S, MAP sensor, mechanical fault
58	P1366	Crankshaft position (CKP) sensor 2 – intermittent signal	CKP sensor
58	P1367	Crankshaft position (CKP) sensor 2 – no signal	Wiring, CKP sensor, ECM

61	–	Heated oxygen sensor (H02S) -front – slow response	H02S, exhaust system
63	–	Heated oxygen sensor (H02S) – rear- slow response/circuit/voltage low/high	Wiring, H02S, ECM
65	–	Heated oxygen sensor (H02S) – rear- circuit malfunction	Wiring, ECM
67	–	Catalytic converter – efficiency below limit	Catalytic converter, rear H02S
70	–	AT – lock-up clutch not engaging/no gear shift	Wiring, mainshaft speed sensor, countershaft speed sensor, Jock-up control system, shift solenoid (55) AIB, TCM
70	P1656	Electronic stability programme (ESP) control module – communication malfunction	Wiring, ESP control module
70	P1705	AT – gear shift malfunction	Wiring, range position switch, TCM
70	P1706	AT- gear shift malfunction	Wiring, range position switch, TCM
70	P1709	AT – gear selection malfunction	Wiring, transmission gear selection switch, detent bracket, detent plunger/ spring, ECM
70	P1710	AT- 1st gear hold switch	Wiring, range position switch, detent bracket/ plunger/spring, ECM
70	P1738	AT – 2nd clutch pressure switch	Wiring, range position switch, 2nd clutch pressure switch, ECM
70	P1739	AT – 3rd clutch pressure switch	Wiring, range position switch, 3rd clutch pressure switch, ECM
70	P1740	AT- 4th clutch pressure switch	Wiring, range position switch, 4th clutch pressure switch, ECM

70	P1750	AT- hydraulic system mechanical malfunction	Wiring, shift solenoids, ECM, transmission mechanical fault
70	P1751	AT- hydraulic system mechanical malfunction	Wiring, shift solenoids, ECM, transmission mechanical fault
70	P1753	AT- lock-up clutch not engaging/ disengaging	Wiring, lock-up control solenoid A, TCM
70	P1768	Shift solenoid (SS) A	Wiring, shift solenoid, ECM
70	P1773	Shift solenoid (SS) 8	Wiring, shift solenoid, ECM
70	P1778	Shift solenoid (SS) C	Wiring, shift solenoid, ECM
71	–	Cylinder No.1 – misfire	Wiring, injector, ignition system, mechanical fault
72	–	Cylinder No.2 – misfire	Wiring, injector, ignition system, mechanical fault
73	–	Cylinder No.3 – misfire	Wiring, injector, ignition system, mechanical fault
74	–	Cylinder No.4 – misfire	Wiring, injector, ignition system, mechanical fault
75	–	Cylinder No.5 – misfire	Wiring, injector, ignition system, mechanical fault
76	–	Cylinder No.6 – misfire	Wiring, injector, ignition system, mechanical fault
–	P1300	Random misfire	Fuel/ignition system, MAP sensor, IAC valve
–	P1399	Random misfire	Fuel/ignition system, MAP sensor, IAC valve
80	–	Exhaust gas recirculation (EGR) solenoid – insufficient flow	EGR solenoid, hose/pipe leak or blockage

86	–	Engine coolant temperature (ECT) sensor – range/performance problem	ECT sensor, cooling system
87	P1486	Thermostat – range/performance problem	Engine coolant blower motor, cooling system
90	P1456	Evaporative emission (EVAP) canister purge system (fuel tank system) – leak detected	Hose, fuel tank/pressure sensor, fuel filler cap, EVAP valve/bypass solenoid, EVAP two way valve, EVAP canister/vent valve
90	P1457	Evaporative emission (EVAP) canister purge system (canister system) – leak detected	Hose, fuel tank/pressure sensor, EVAP valve/bypass solenoid, EVAP two way valve, EVAP canister/vent valve
91	–	Fuel tank pressure sensor-circuit voltage low/high	Wiring, pressure sensor, ECM
–	P1607	Engine control module (ECM) – internal circuit failure	ECM