7. DTC TROUBLESHOOTING

DTC INDEX

DTC	MIL	Detected component	Probable cause	Ref. page
0 or does not communicate	MIL does not come ON/blink 	ECM	• Loose or poor contact of the connector • Faulty indicator light • Open circuit in MIL wire • Open circuit in ECM power/ground cable • Faulty ECM	2-32
0 or does not communicate	MIL stay ON 	ECM	• SCS service check connector activated • Short circuit in DLC wire • Short circuit in MIL wire • Short circuit in sensor power circuit • Faulty ECM	(P. 5-18)
0-2 0-5 0-8	ON 	ECM (Internal failure)	• Faulty ECM	(P. 5-21)
3-1	ON 	MAP sensor (voltage too low)	• Loose or poor contact of the connector • Short circuit in MAP sensor wire (PB) • Open circuit in MAP sensor wire (VCC1) • Faulty MAP sensor	(P. 5-21)
3-2	ON 	MAP sensor (voltage too high)	• Loose or poor contact of the connector • Open circuit in MAP sensor wire (PB) • Open circuit in MAP sensor wire (VCC1) • Open circuit in MAP sensor wire (SG1) • Faulty MAP sensor	(P. 5-22)
4-1	ON 	CKP sensor (no pulse)	• Loose or poor contact of the connector • Open or short circuit in CKP sensor wire (CRK) • Open circuit in CKP sensor wire (IGP2) • Open circuit in CKP sensor wire (LG1) • Faulty CKP sensor	(P. 5-24)
4-2	ON 	CKP sensor (abnormal pulse)	• Loose or poor contact of the connector • Faulty CKP sensor • CKP sensor is not installed properly	(P. 5-25)
6-1	ON 	ECT sensor 1 (voltage too low)	• Loose or poor contact of the connector • Short circuit in ECT sensor 1 wire (TE) • Faulty ECT sensor 1	(P. 5-26)

DTC	MIL	Detected component	Probable cause	Ref. page
6-2	ON 	ECT sensor 1 (voltage too high)	• Loose or poor contact of the connector • Open circuit in ECT sensor 1 wire (TE) • Open circuit in ECT sensor 1 wire (SG2) • Faulty ECT sensor 1	(P. 5-27)
7-1	ON 	TP sensor (voltage too low)	• Loose or poor contact of the connector • Open or short circuit in TP sensor wire (THL) • Open circuit in TP sensor wire (VCC2) • Faulty TP sensor	(P. 5-28)
7-2	ON 	TP sensor (voltage too high)	• Loose or poor contact of the connector • Open circuit in TP sensor wire (SG2) • Faulty TP sensor	(P. 5-29)
8-1	ON 	CMP sensor (no pulse)	• Loose or poor contact of the connector • Open or short circuit in CMP sensor wire (TDC) • Open circuit in CMP sensor wire (IGP2) • Open circuit in CMP sensor wire (LG1) • Faulty CMP sensor	(P. 5-30)
8-2	ON 	CMP sensor (abnormal pulse)	• Loose or poor contact of the connector • Faulty CMP sensor • CMP sensor is not installed properly	(P. 5-31)
10-1	ON 	IAT sensor (voltage too low)	• Loose or poor contact of the connector • Short circuit in IAT sensor wire (TA) • Faulty IAT sensor	(P. 5-32)
10-2	ON 	IAT sensor (voltage too high)	• Loose or poor contact of the connector • Open circuit in IAT sensor wire (TA) • Open circuit in IAT sensor wire (SG2) • Faulty IAT sensor	(P. 5-33)
14-1	ON 	IAC valve (abnormal current)	• Loose or poor contact of the connector • Open or short circuit in IAC valve wire (EACVP) • Open or short circuit in IAC valve wire (EACVM) • Faulty IAC valve	(P. 5-34)
21-1 (BF150AK0 only)	ON 	VTEC solenoid valve (abnormal signal)	• Loose or poor contact of the connector • Open or short circuit in VTEC solenoid valve wire (VTS) • Faulty VTEC solenoid valve	(P. 5-35)

DTC	MIL	Detected component	Probable cause	Ref. page
22-1	ON 	EOP sensor (voltage too low)	• Loose or poor contact of the connector • Short circuit in EOP sensor wire (POIL) • Open circuit in EOP sensor wire (VCC2) • Faulty EOP sensor	(P. 5-36)
22-2	ON 	EOP sensor (voltage too high)	• Loose or poor contact of the connector • Open circuit in EOP sensor wire (POIL) • Open circuit in EOP sensor wire (VCC2) • Open circuit in EOP sensor wire (SG2) • Faulty EOP sensor	(P. 5-37)
23-1	ON 	Knock sensor (abnormal detection)	• Loose or poor contact of the connector • Open or short circuit in knock sensor wire (KS) • Faulty knock sensor	(P. 5-38)
41-3	ON 	A/F sensor heater (abnormal high current or low current)	• Loose or poor contact of the connector • Open or short circuit in A/F sensor heater wire (LAFR) • Open circuit in A/F sensor heater wire (AFHT+) • Open or short circuit in A/F sensor heater wire (AFHT) • Faulty A/F sensor heater • Faulty A/F sensor heater relay	(P. 5-40)
41-4	ON 	A/F sensor heater (abnormal current)	• Loose or poor contact of the connector • Short circuit in A/F sensor heater wire (AFHT) and A/F sensor wire (AFC) • Short circuit in A/F sensor heater wire (AFHT) and A/F sensor wire (AFV) • Short circuit in A/F sensor heater wire (AFHT+) and A/F sensor wire (AFC) • Short circuit in A/F sensor heater wire (AFHT+) and A/F sensor wire (AFV) • Open or short circuit in A/F sensor heater wire (LAFR) • Open circuit in A/F sensor heater wire (AFHT+) • Open or short circuit in A/F sensor heater wire (AFHT) • Faulty A/F sensor heater • Faulty A/F sensor heater relay	(P. 5-42)
48-5	ON 	A/F sensor (open circuit in A/F sensor wire (AFV/AFC))	• Loose or poor contact of the connector • Open circuit in A/F sensor wire (AFV) • Open circuit in A/F sensor wire (AFC)	(P. 5-44)

DTC	MIL	Detected component	Probable cause	Ref. page
48-6	ON 	A/F sensor (short circuit in A/F sensor wire (AFV))	• Loose or poor contact of the connector • Short circuit in A/F sensor wire (AFV)	(P. 5-45)
48-7	ON 	A/F sensor (short circuit in A/F sensor wire (AFC))	• Loose or poor contact of the connector • Short circuit in A/F sensor wire (AFC)	(P. 5-46)
140-1	ON 	ECT sensor 2 (voltage too low)	• Loose or poor contact of the connector • Short circuit in ECT sensor 2 wire (TOH1) • Faulty ECT sensor 2	(P. 5-47)
140-2	ON 	ECT sensor 2 (voltage too high)	• Loose or poor contact of the connector • Open circuit in ECT sensor 2 wire (TOH1) • Open circuit in ECT sensor 2 wire (SG2) • Faulty ECT sensor 2	(P. 5-48)
141-1	ON 	ECT sensor 3 (voltage too low)	• Loose or poor contact of the connector • Short circuit in ECT sensor 3 wire (TOH2) • Faulty ECT sensor 3	(P. 5-49)
141-2	ON 	ECT sensor 3 (voltage too high)	• Loose or poor contact of the connector • Open circuit in ECT sensor 3 wire (TOH2) • Open circuit in ECT sensor 3 wire (SG2) • Faulty ECT sensor 3	(P. 5-50)
143-1	ON 	ECT sensor 4 (voltage too low)	• Loose or poor contact of the connector • Short circuit in ECT sensor 4 wire (TOH3) • Faulty ECT sensor 4	(P. 5-51)
143-2	ON 	ECT sensor 4 (voltage too high)	• Loose or poor contact of the connector • Open circuit in ECT sensor 4 wire (TOH3) • Open circuit in ECT sensor 4 wire (SG2) • Faulty ECT sensor 4	(P. 5-52)