

Symptom	Checking Items		Possible Fault(s)		Remarks
Set cannot ON	1	AC Cord	1	Faulty AC Cord, Loose connection	Refer to section 7.2.1 Fig.1 SMPS P.C.B..
	2	AC Inlet, P5701	2	P5701 solder crack, dry joint.	
	3	Fuse, F1	3	Fuse, F1 Open	
	4	Photocoupler	4	PC5702/PC5799 solder crack.	
		PC5702, PC5799		Dry joint, short circuit, open circuit.	
	5	Switching Regulator IC, IC5701	5	IC5701 Faulty.	
	6	Switching Regulator IC, IC5799	6	IC5799 Faulty.	
Set can ON then F61	1	Speaker Output	1a	Faulty speaker unit, Loose connection, Short.	Refer to section 7.2.3 Fig 3 D-Amp P.C.B..
			1b	Check output IC (Pin 10 & 14) which have DC Voltage at speaker output short to $\pm V_{dd}/V_{ss}$.	
	2	D-AMP circuit	2a	D-Amp IC5000, IC5200 defective.	
				Check PWM output at pin 10, 14 of D-Amp IC.	
				Check + VDD/SS supply at pin 4 & 20 of D-Amp IC.	
				Check pin 1 (OSC) & pin 23 (MODE) of D-Amp IC.	
Set can ON then F76				Check pattern crack and solderability.	Refer to section 7.2.1 Fig.1 SMPS P.C.B..
	1	Transformer T5701	1a	Short circuit between Pin 14 and Pin 15.	
			1b	Short circuit between Pin 15 and Pin 16.	
			1c	Short circuit between Pin 16 and Pin 17.	
	2	DC-DC Circuit	2a	Check cable wire connection between connector ZJ2007(At Main P.C.B) & connector CN5802 (At SMPS P.C.B)	Refer to section 7.2.2 Fig.2 Main P.C.B..
Set can ON working normally for some time then F76			2b	Voltage Regulator IC (IC2010) & Switching Regulator IC (IC2011) faulty.	
	3	Photocoupler	3	PC5720 solder crack.	Refer to section 7.2.1 Fig.1 SMPS P.C.B..
		PC5720		dry joint, short circuit, open circuit.	
	1	Rectifier Diode D5801	1a	Improper contact between D5801 to Heatsink	
		Rectifier Diode D5802		Improper contact between D5802 to Heatsink	
	2	Thermistor TH5860	1b	Set trigger temperature protection.	