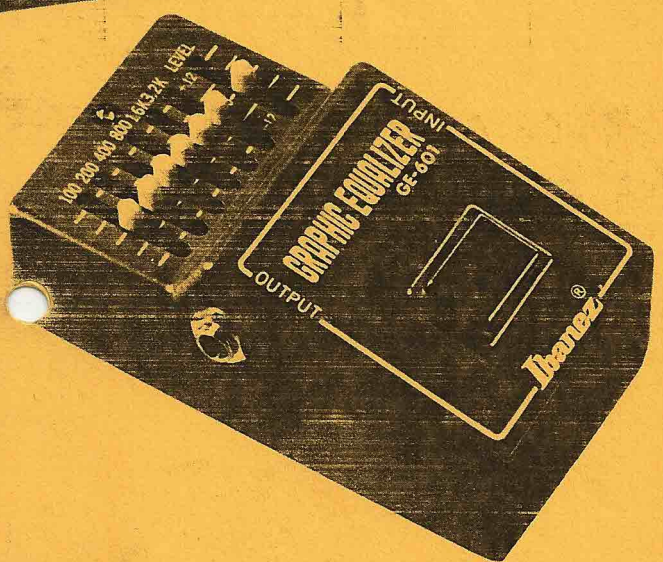
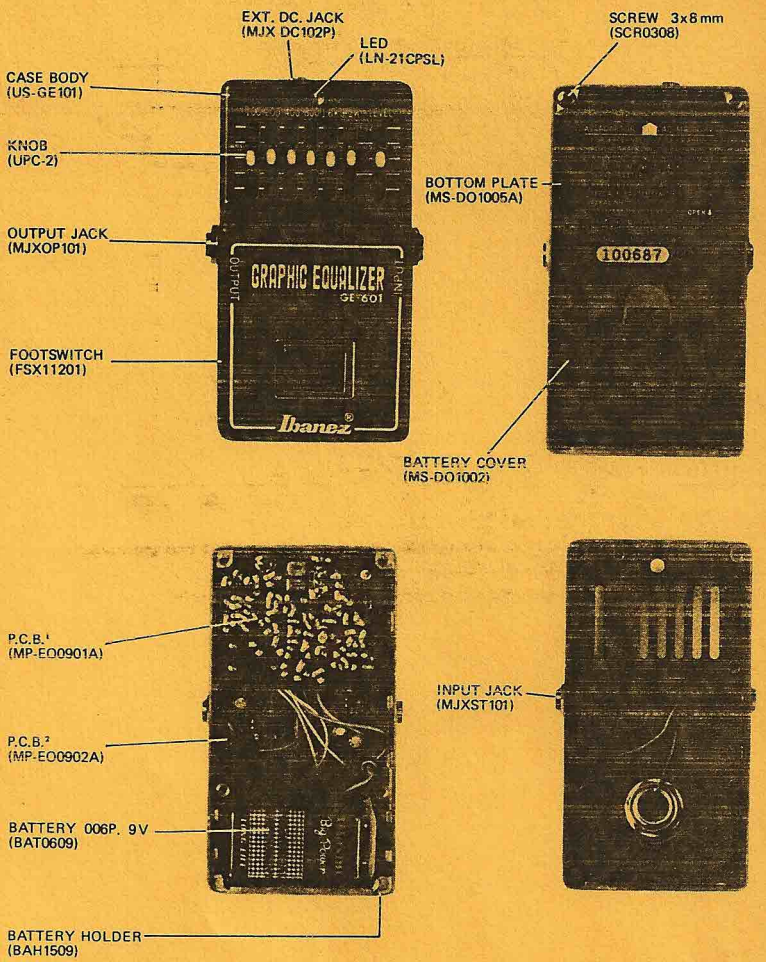
Ibanez SERVICE MANUAL

GE601

GRAPHIC EQUALIZER



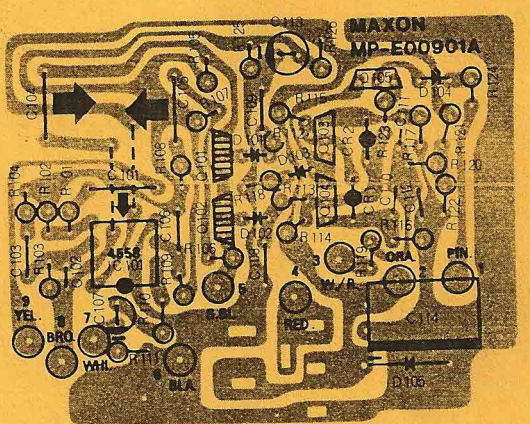
DISPOSITION OF PARTS

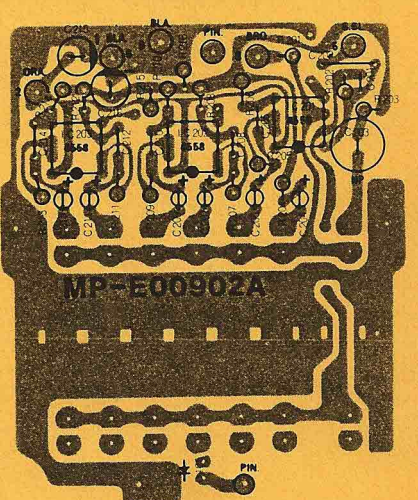


PARTS LIST

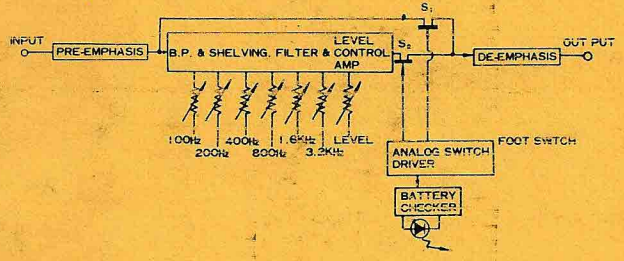
PARTS NAME	TYPE	PARTS NO.	REF. NO.
CASE BODY		MS GE101	
BOTTOM-PLATE		MS DO1005A	
BOTTOM-RUBBER		BR DO1003A	
BATTERY-COVER		MS DO1002	
BATTERY-RUBBER		BR DO1004A	
P.C.B. 1		MP E00901A	
P.C.B. 2		MP E00902A	
FOOT SWITCH	ELECTRIC	FSX11201	
INPUT JACK	MOLD STEREO	MJXST101	
OUTPUT JACK	MOLD OPEN	MJOP101	
KNOB		UPC-2	
BATTERY	006P 9V	BAT0609	
BATTERY HOLDER	200mm	BAH2009	
SCREW	3x8mm	SCR0308	
P.C.B. 1	(MP-E00901A)		
IC	MC1458	MC1458	IC101
Tr.	2SC536SPE	2SC536SPE	Q103 – 105
FET	2SK44SPC$_2$	2SK44SPC$_2$	Q101, 102
DIODE	RD5.1EB	RD5.1EB	D104
DIODE	WO3C	WO3C	D105
DIODE	MA150	MA150	D101 – 103
P.C.B. 2	(MP-E00902A)		
IC	MC1458	MC1458	IC201 – 203
VARIABLE RESISTOR	SLIDE20KG	PMXS20P203GC	
LED	LN21CPSL	LN21CPSL	
EXT. DC. JACK		MJXDC102P	

P.C.B.





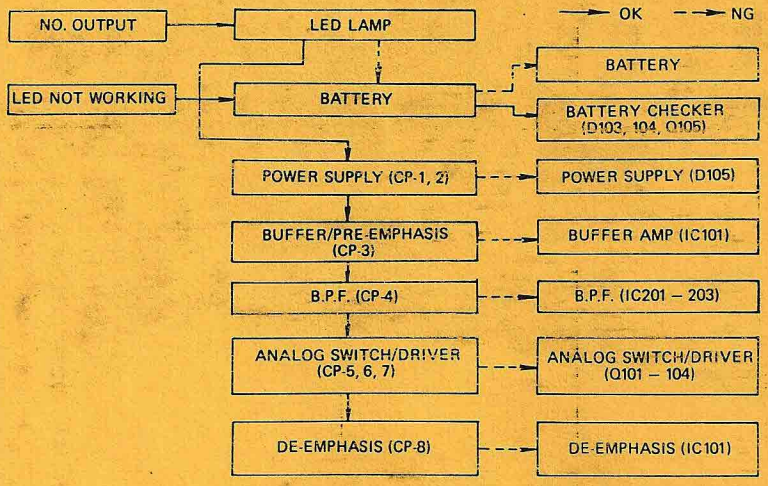
BLOCK DIAGRAMS



SWITCHING CHART

	S_1	S_2
EFFECT	ON	OFF
NORMAL	OFF	ON

TROUBLE SHOOTING



V – VOLTAGE
S – SIGNAL

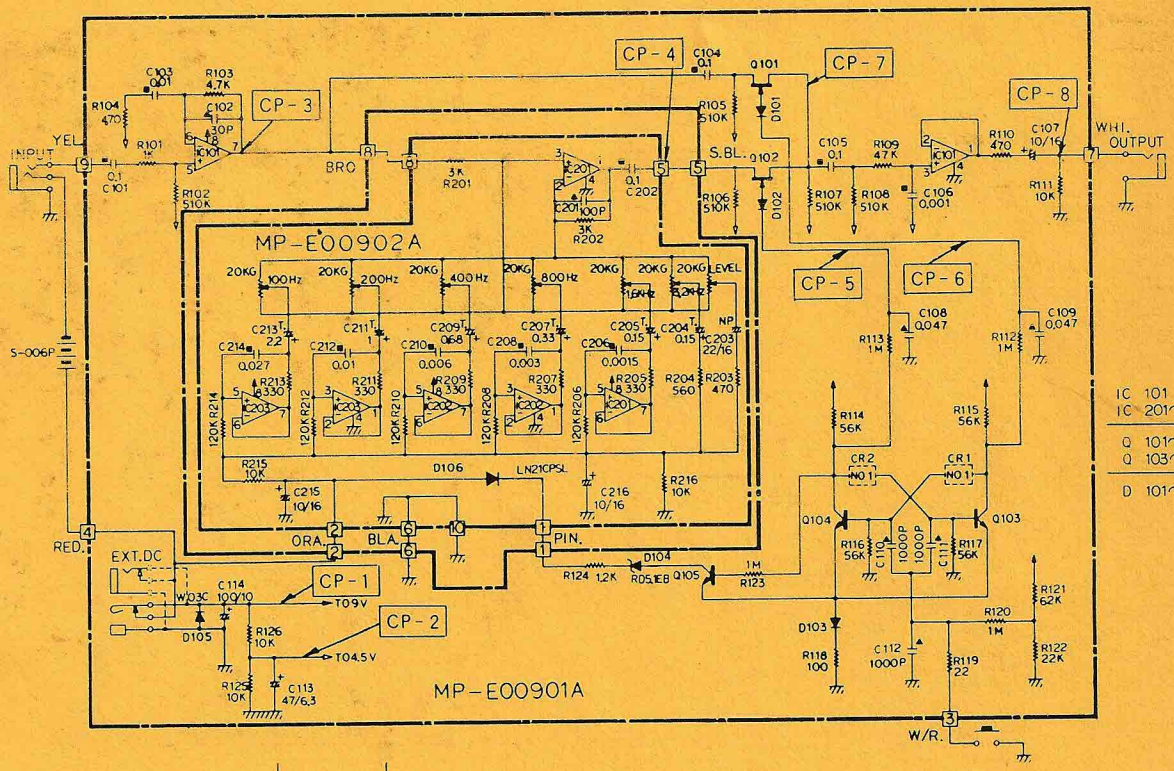
ADJUSTMENT PROCEDURES

1. Put 100mV sinewave into INPUT.
2. Check for 12dB boost or cut in each band and level of the frequency controls.
3. Check for 12dB boost or cut over all of the level controls.

REMARK: SIGNAL OF CP IS THE WAVE INPUTTING A SINE WAVE SIGNAL TO INPUT.

CP-1	CP-2	CP-3	CP-4	CP-5		CP-6		CP-7	CP-8
V	V	S	S	V		V		S	S
				EFFECT	NORMAL	EFFECT	NORMAL		
9	4.5			5.5	0.5	0.5	5.5		

SCHEMATIC DIAGRAMS



IC 101 : RC4558
IC 201~203: MC1458

Q 101~102:2SK44SP
Q 103~105:2SC536SP

D 101~103:MA150

BOTTOM VIEW

LN21CPSL: ANODE, CATHODE

2SC536SP: EMITTER, COLLECTOR, BASE

2SK44SP: SOURCE, GATE, DRAIN

TOP VIEW

RC4558: 1 Vcc, 2, 3, 4 Vee, 5, 6, 7, 8

NOTE
▲: CERAMIC capacitor. All ceramic capacitors are above 25V rating.
■: MYLAR capacitor. All mylor capacitors are above 50V rating.
NP: NON POLAR capacitor.
T: TANTALUM capacitor.

And all capacitors are ELECTOLYTIC capacitors, unless otherwise marked.
Unless otherwise indicated:
Resistance in Ω, K = KΩ, M = MΩ
Resistors, 1/4W or 1/8W, ±5% rating
Capacistance in pF μ = μF