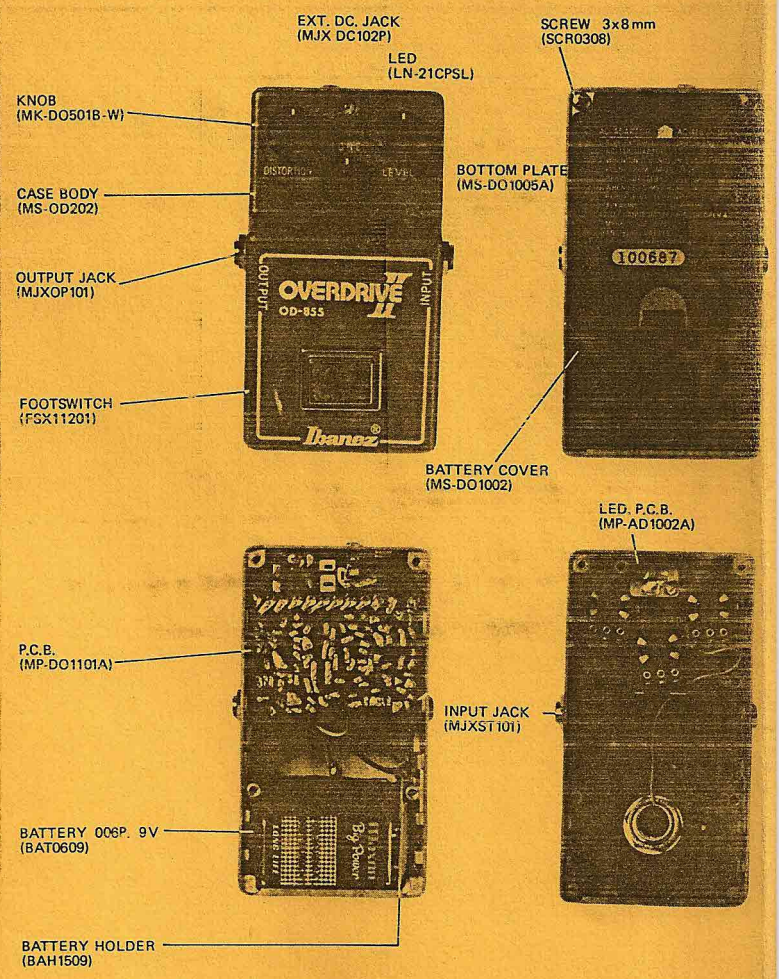
Ibanez SERVICE MANUAL

OD855 OVERDRIVE II

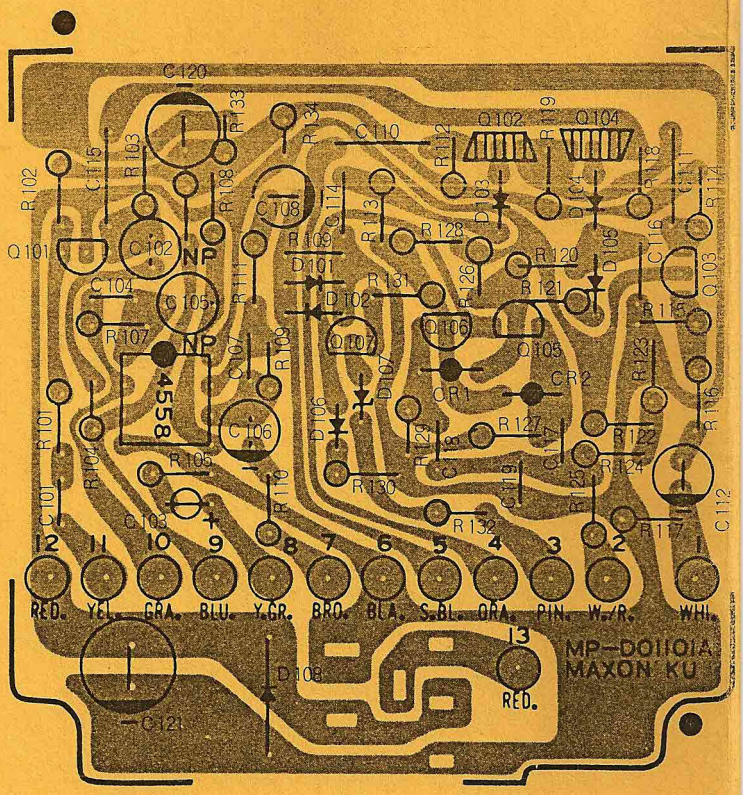
DISPOSITION OF PARTS



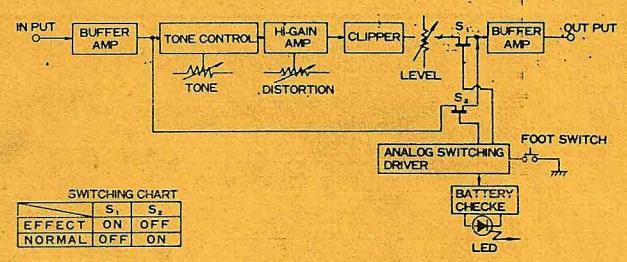
PARTS LIST

PARTS NAME	TYPE	PARTS NO.	REF. NO.
CASE BODY		MS OD202	
BOTTOM-PLATE		MS DO1005A	
BOTTOM-RUBBER		BR DO1003A	
BATTERY-COVER		MS DO1002	
BATTERY-RUBBER		BR DO1004A	
P.C.B.		MP DO1101A	
FOOT SWITCH	ELECTRIC	FSX11201	
INPUT JACK	MOLD STEREO	MJXST101	
OUTPUT JACK	MOLD OPEN	MJXOP101	
KNOB		MK-DO501B-W	
BATTERY	006P 9V	BAT0609	
BATTERY HOLDER	200mm	BAH2009	
SCREW	3x8mm	SCR0308	
LED	LN21CPSL	LN21CPSL	
LED. B.C.B.		MP-AD1002A	
EXT. DC. JACK		MJXDC102P	
IC	RC4558	RC4558	IC101
Tr.	2SC1815BL	2SC1815BL	Q101, 103, 105 – 107
FET	2SK44SPC$_2$	2SK44SPC$_2$	Q102, 104
DIODE	IN60	IN60	D101, 102
DIODE	RD5. IEB	RD5. IEB	D107
DIODE	WO3C	WO3	D108
DIODE	MA150	MA150	D103 – 106
VARIABLE RESISTOR	16ϕ 10KB	PMXB155R103BSC	
VARIABLE RESISTOR	16ϕ 20KG	PMXB155R203GSC	
VARIABLE RESISTOR	16ϕ 50KC	PMXB155R503CSC	

P.C.B.



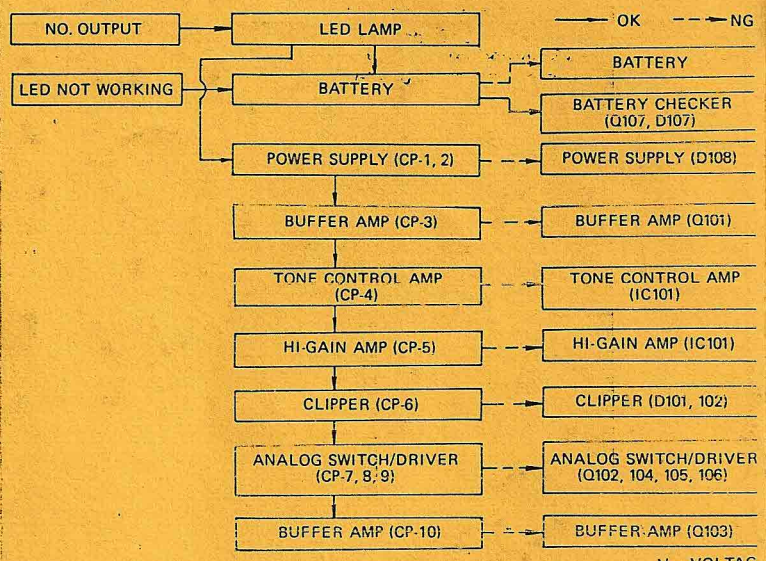
BLOCK DIAGRAMS



SWITCHING CHART

	S_1	S_2
EFFECT	ON	OFF
NORMAL	OFF	ON

TROUBLE SHOOTING



V – VOLTAG
S – SIGNAL

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		CP-9	CP-10
V	V	S	S	S	S	V		V		S	S
9	4.5					E-ON 5.5	E-OFF 0.5	E-ON 0.5	E-OFF 5.5		

ADJUSTMENT PROCEDURES

WAVE FORM OF OUTPUT

1. Put 100mV 1KHz sinewave into INPUT.
2. Set DISTORTION controls, TONE controls and LEVEL controls fully CW.
3. Make sure wave form as shown in Fig. A.

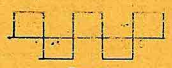


Fig. A

4. Set DISTORTION controls fully CCW.
5. Make sure wave form as shown in Fig. B.

Fig. B

6. Set DISTORTION controls fully CW and TONE controls fully CCW.
7. Make sure wave form as shown in Fig. C.

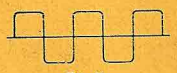


Fig. C

8. Set DISTORTION controls fully CCW.
9. Make sure wave form as shown in Fig. D.

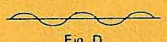
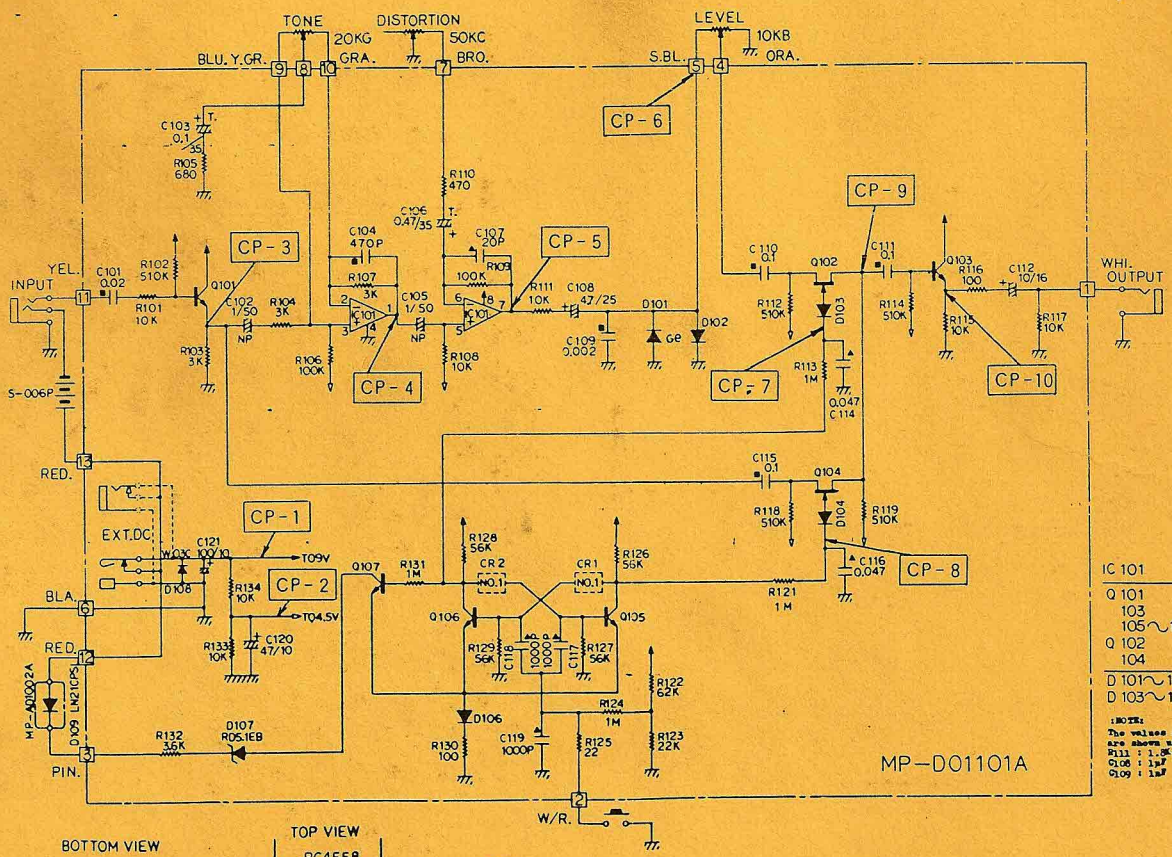


Fig. D

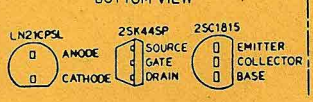
SCHEMATIC DIAGRAMS



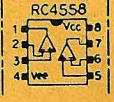
IC 101	:RC4558
Q 101, 103, 105~107	:2SC1815BL
Q 102, 104	:2SK44SP
D 101~102	:1N60
D 103~106	:MA150

:NOTE:
The values of CD655 are shown under.
R111 : 1.5Kohms
C108 : 1μF
C109 : 1μF

BOTTOM VIEW



TOP VIEW



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, 1/8W, ±5% rating
Capacitance in pF μ = μF