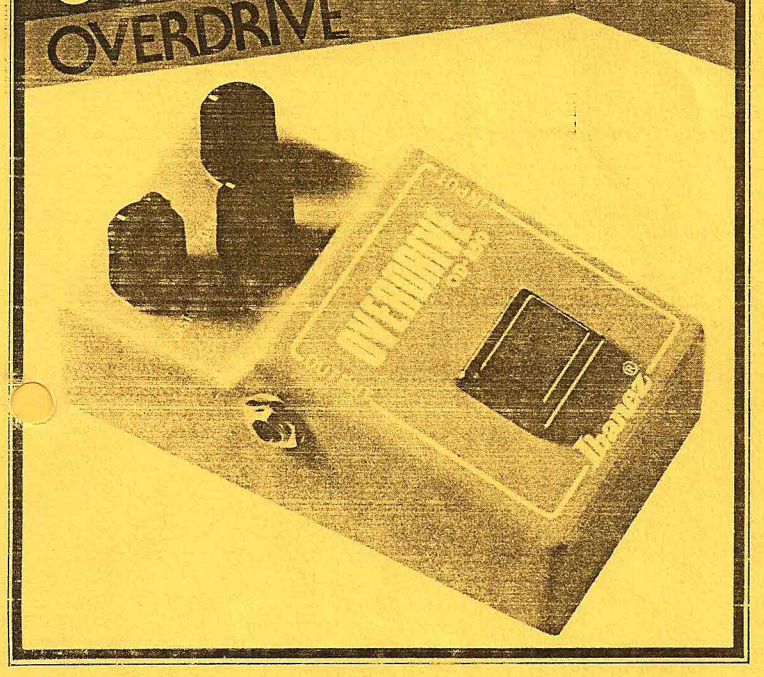
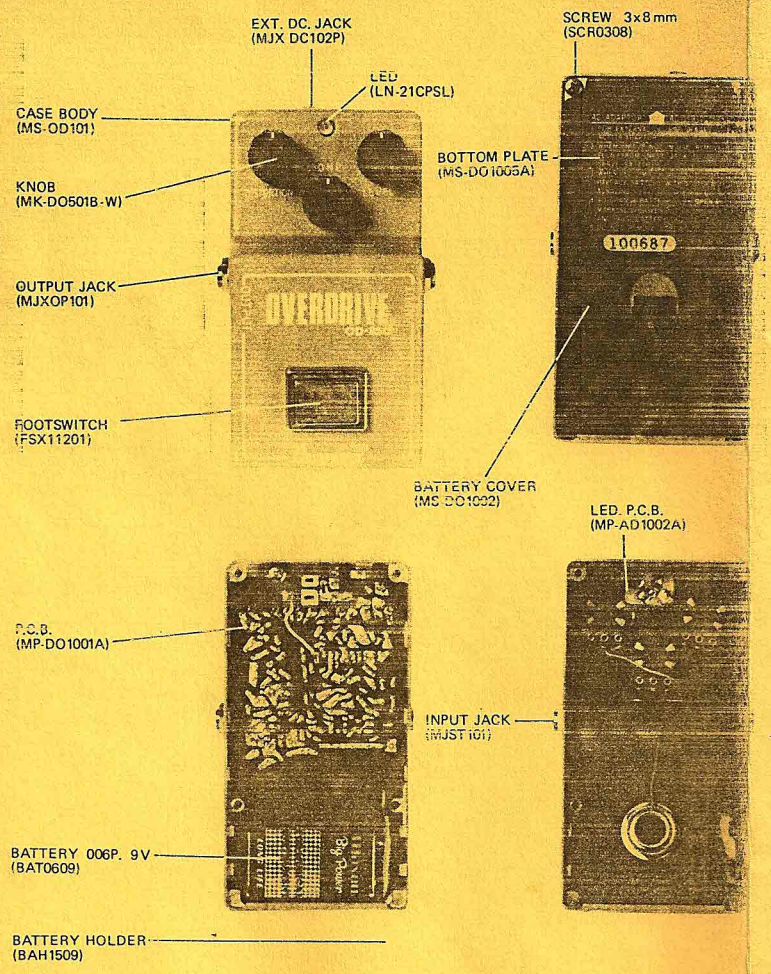
Ibanez SERVICE MANUAL

OD850 OVERDRIVE



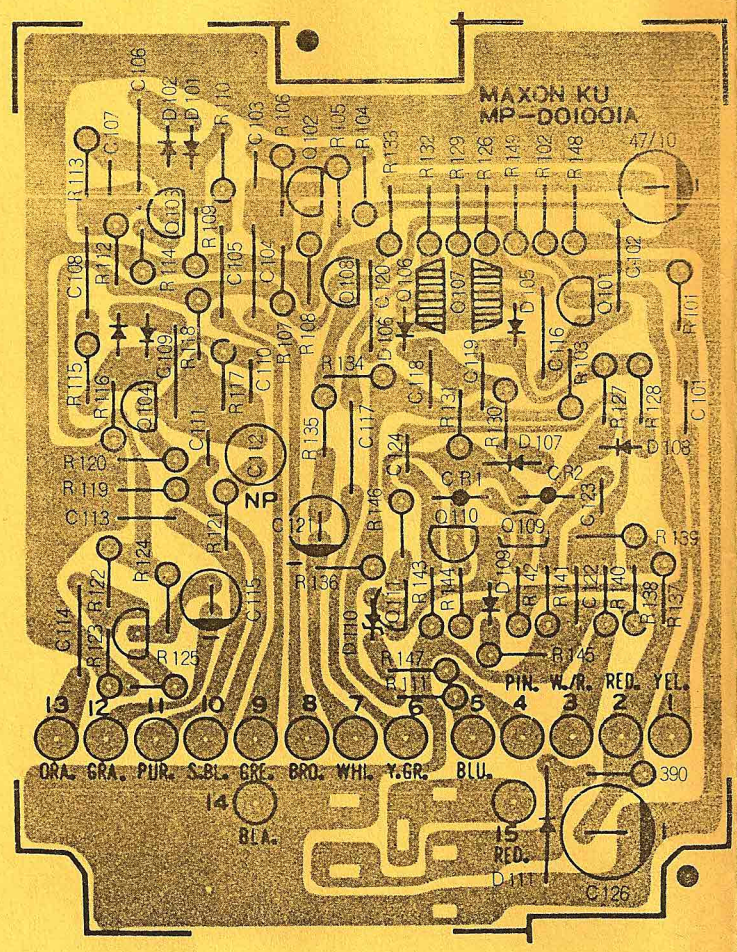
DISPOSITION OF PARTS



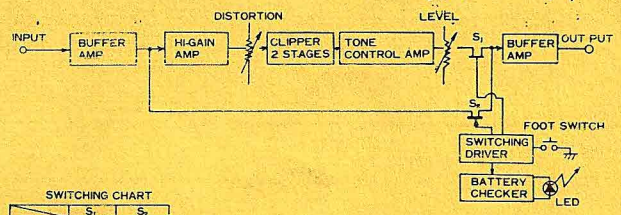
PARTS LIST.

PARTS NAME	TYPE	PARTS NO.	REF. NO.
CASE BODY		MS OD101	
BOTTOM PLATE		MS DO1005A	
BOTTOM-RUBBER		BR DO1003A	
BATTERY-COVER		MS DO1002	
BATTERY-RUBBER		BR DO1004A	
P.C.B.		MP DO1001A	
FOOT SWITCH	ELECTRIC	FSX11201	
PUT JACK	MOLD STEREO	MJXST101	
OUTPUT JACK	MOLD OPEN	MJXOP101	
KNOB		MK DO501B-W	
BATTERY	006P 9V	BAT0609	
BATTERY HOLDER	200 mm	BAH2009	
SCREW	3x8 mm	SCR0308	
LED	LN-21CPSL	LN 21CPSL	
LED. P.C.B.		MP AD1002A	
EXT. DC. JACK		MJX. DC. ' 102P	
Tr.	2SC1815BL	2SC1815BL	Q101 – 105, 108 – 111
EFT	2SK44SPC,	2SK44SPC,	Q106, 107
DIODE	RD4.7EB	RD4.7EB	D110
DIODE	WO3C	WO3C	D111
DIODE	MA150	MA150	D101 – 109
VARIABLE RESISTOR	16φ 100KB	PMXB155R104BSC	
VARIABLE RESISTOR	16φ 50KG	PMXB155R503GSC	
VARIABLE RESISTOR	16φ 50KA	PMXB155R503ASC	

P.C.B.



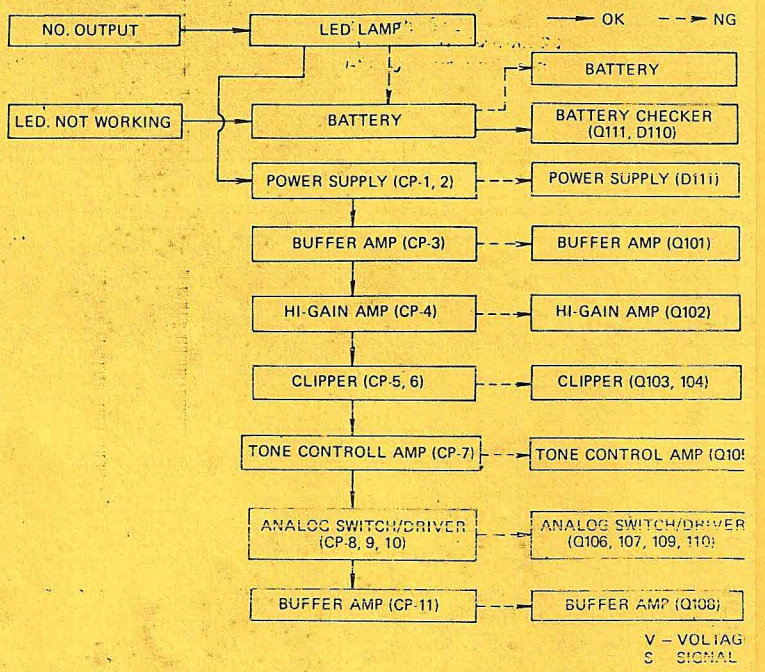
BLOCK DIAGRAMS



SWITCHING CHART

	S_1	S_2
EFFECT	ON	OFF
NORMAL	OFF	ON

TROUBLE SHOOTING



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	CP-11
V	V	S	S	S	S	S	V		V		S	S
							E-ON	NORMAL	E-ON	NORMAL		
9	4.5						0.5	5.5	5.5	0.5		

ADJUSTMENT PROCEDURES

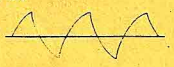
WAVE FORM OF OUTPUT

1. Put 7.8mV (–40dBm) 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 TONE controls fully CCW.
5. Make sure wave form as shown in Fig. B.

Fig. B



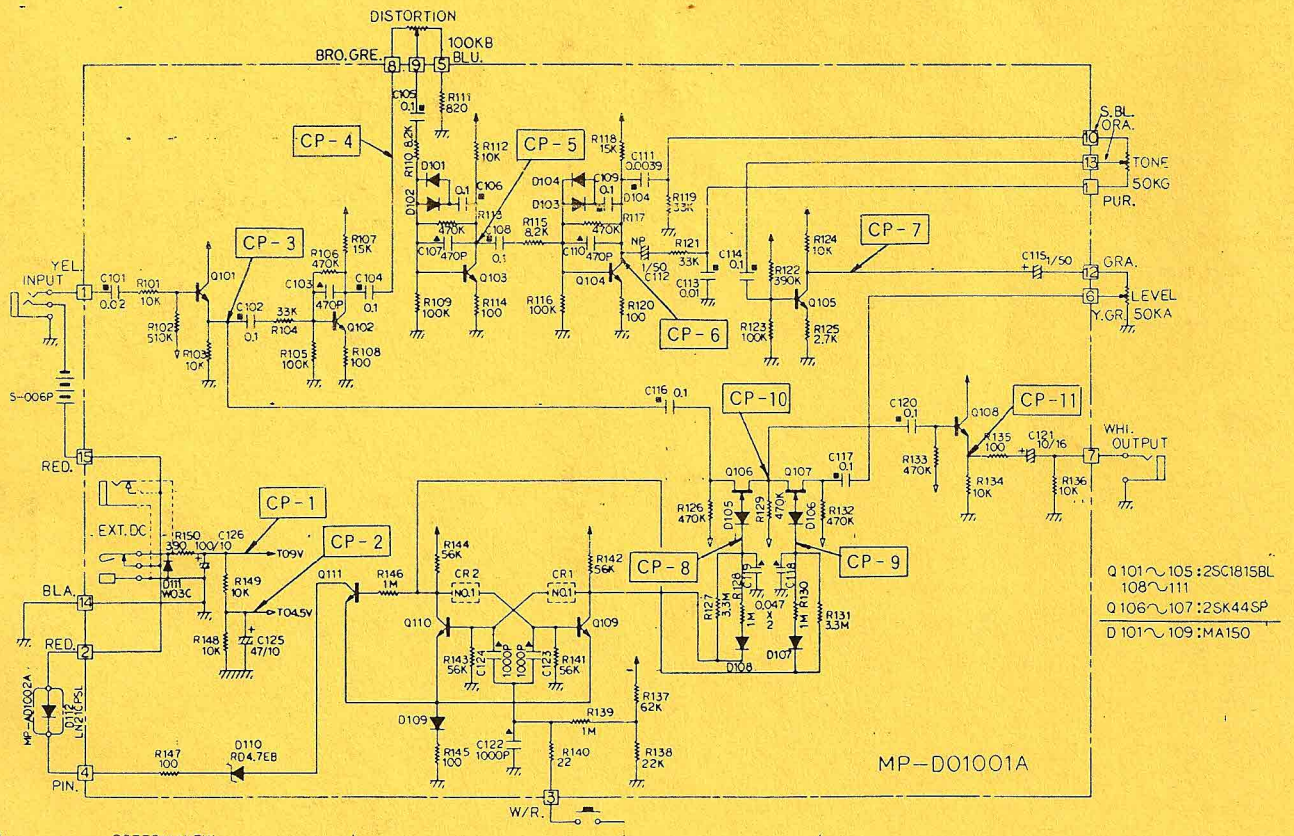
6. Set DISTORTION controls fully CCW and TONE controls fully CW.
7. Make sure wave form as shown in Fig. C.

Fig. C

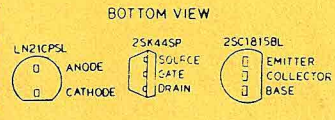
8. Set TONE controls fully CCW.
9. Make sure wave form as shown in Fig. D.

Fig. D

SCHEMATIC DIAGRAMS



BOTTOM VIEW



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

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