

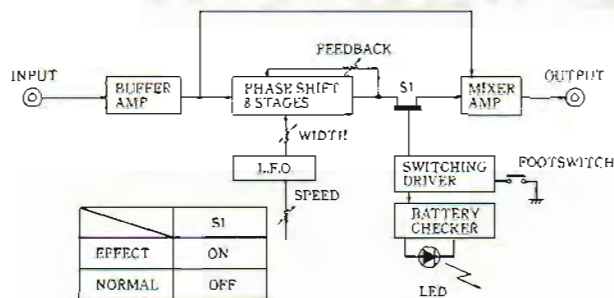
# Ibanez PT9

## Phaser

### Service Manual NO. 001



#### ★ BLOCK DIAGRAMS



#### ★ ADJUSTMENT PROCEDURES

##### FET BIAS

1. Set SPEED & WIDTH controls fully CW, FEEDBACK control fully CCW.
2. Put -20dBm (77mV) 1.4KHz sinewave into INPUT.
3. Adjust VR101 fully CCW, and check the lissajous pattern shown in Fig. A.
4. Adjust VR101 to achieve the lissajous pattern in Fig. B.

##### FEEDBACK

1. Set FEEDBACK control fully CW.
2. ADJUST VR102 to achieve the lissajous pattern shown in Fig. C.

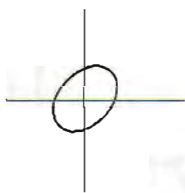


Fig. A

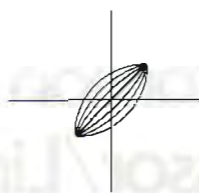


Fig. B

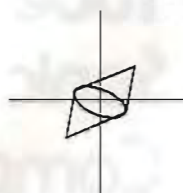
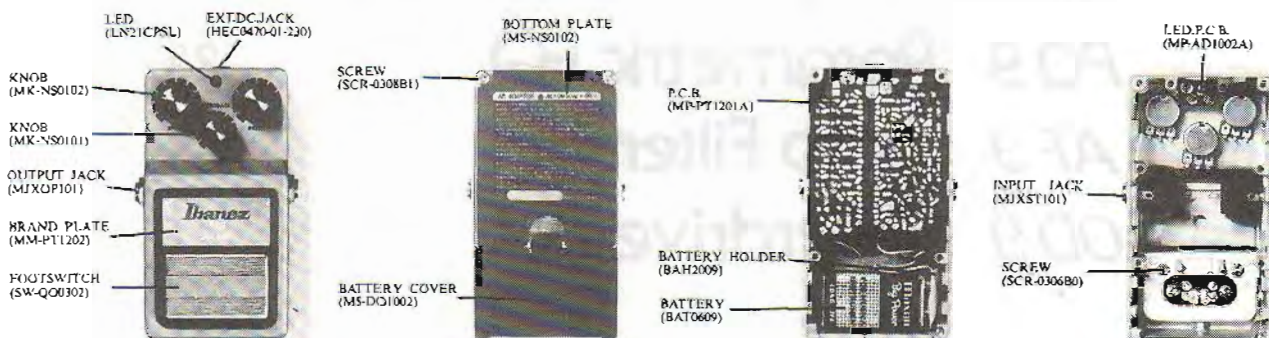


Fig. C

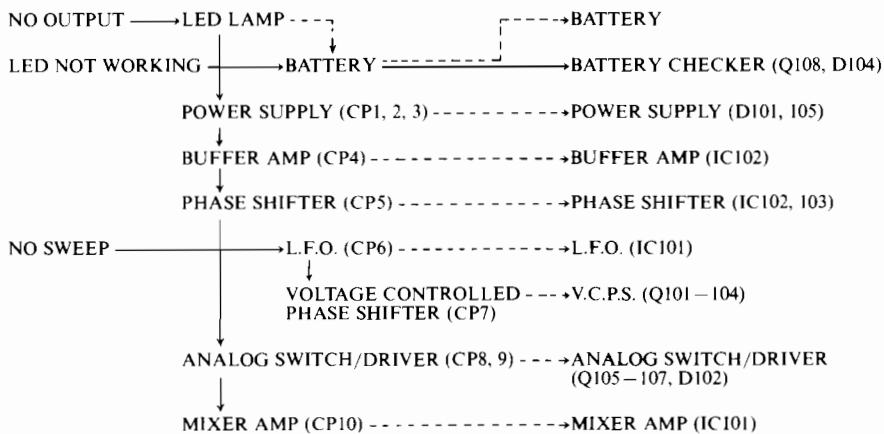
#### ★ DISPOSITION OF PARTS





★ TROUBLE SHOOTING

→ OK    - - - - -> NG



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

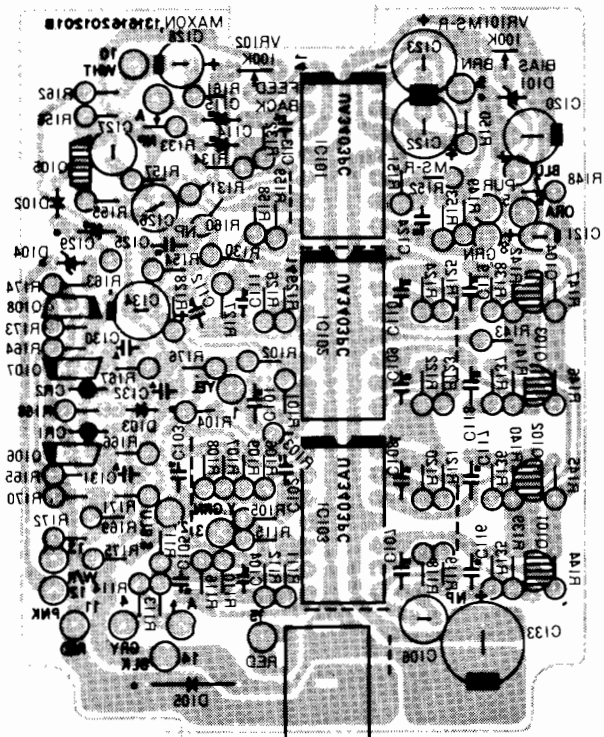
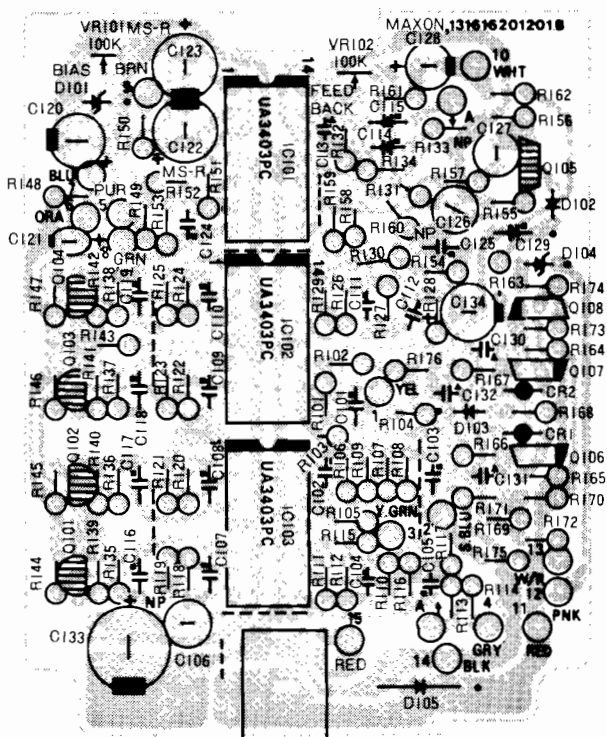
V - VOLTAGE  
S - SIGNAL

CP1	CP2	CP3	CP4,5	CP6	CP7	CP8	CP9		CP10
V	V	V	S	S	S	S	V	V	S
9	4.5	4.3					EF-ON	EF-OFF	
							8	0.5	

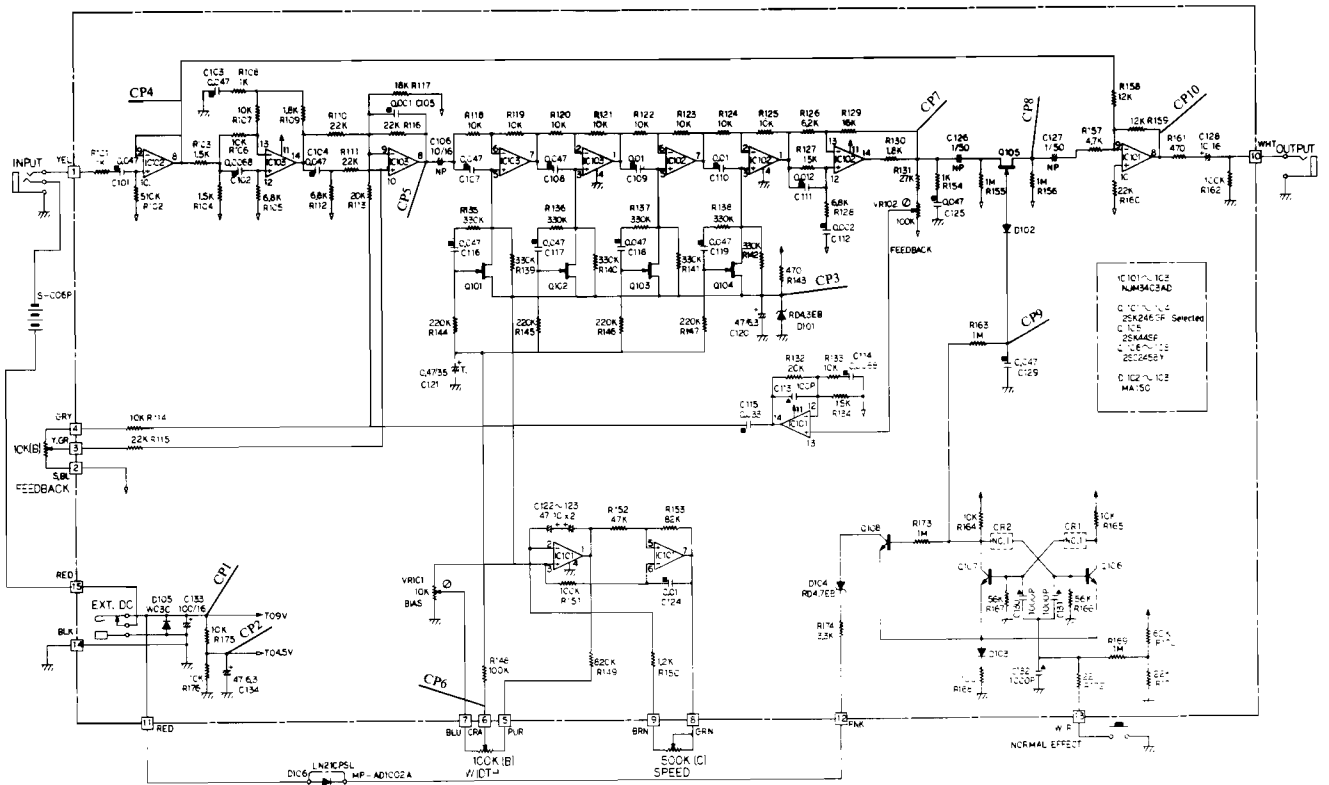
★ P.C.B.

(TOP VIEW)

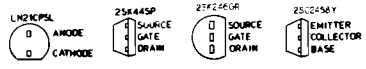
(BOTTOM VIEW)



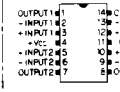
★ SCHEMATIC DIAGRAMS



BOTTOM VIEW



TOP VIEW



▲ : CERAMIC capacitor. All ceramic capacitors are above 25V rating. Unless otherwise indicated.

■ : FILM capacitor. All Film capacitors are above 50V rating

NP : NON POLAR capacitor

T : TANTALUM capacitor

And all capacitors are ELECTROLYTIC capacitors, unless otherwise marked. Resistance in Ω, K = K Ω, M = M Ω. Resistors, 1/4W or 1/8W, ±5% rating. Capacitance in pF = μ F