

2FX DIGITAL MULTI-EFFECTS CALIBRATION AND BENCH TEST PROCEDURE

1. POWER SUPPLY

- (A) CHECK SUPPLY VOLTAGES AT THE FOLLOWING TEST POINTS:

TP-2: GROUND

TP-19: +5V

TP-18: +15V

TP-17: -15V

ALL SUPPLIES MUST BE WITHIN +/- 4%

2. LEDS

- (A) TURN ON POWER. UNIT SHOULD POWER UP IN BYPASS MODE (L-2 ON)
(B) CHECK CLIP LED. TURN POWER ON AND OFF AND WATCH FOR
MOMENTARY ILLUMINATION OF L-3.

EFFECT SWITCHING

- (C) SWITCH TO FLANGE MODE, L-3 SHOULD BE ON, SWITCH OUT
OF BYPASS, SWITCH TO CHORUS MODE, L-3 SHOULD BE OFF AND
L-4 SHOULD BE ON. CHORUS AND FLANGE SHARE THE SAME
CIRCUITRY AND AT NO TIME SHOULD THESE EFFECTS BE
ON TOGETHER. ONLY THE DELAY CAN BE USED SIMULTANEOUSLY
WITH EITHER CHORUS OR FLANGE.), SWITCH TO DELAY MODE,
L-4 AND L-5 WILL BE ON, ENGAGE REPEAT HOLD (R.H. CAN
ONLY BE SELECTED WHEN IN DELAY MODE), SWITCH OUT OF
CHORUS (L-4 WILL BE OFF), SWITCH OUT OF DELAY (R.H.
WILL ALSO BE OUT). WHEN ALL EFFECTS ARE OFF, UNIT
AUTOMATICALLY DEFAULTS TO BYPASS MODE.
(D) DIGITAL DELAY RATE LED SHOULD BLINK SYNCHRONOUS
WITH THE DELAY SETTING.

3. CLOCK FREQUENCY FLANGER/CHORUS

- (A) SELECT FLANGE MODE, SET ALL FLANGE CONTROLS CCW,
PROBE TP-11 WITH FREQ. COUNTER AND ADJUST T-1 FOR
1.638 MHz.
(B) TURN MANUAL CW AND ADJUST T-2 FOR 230 KHz.
DELAY
(C) USING MAXIMUM DELAY SETTING, MULTIPLIER CW AND
ALL OTHER SETTINGS CCW, PROBE TP-5 WITH FREQ.
COUNTER (NO TP-5 ON UNITS BELOW SER.#310550,
USE R. SIDE OF R-250), AND ADJUST T-9 FOR 225
KHz.
(D) WITH MULTIPLIER CCW ADJUST T-10 FOR 900 KHz.

