AFMSRX CALIBRATION
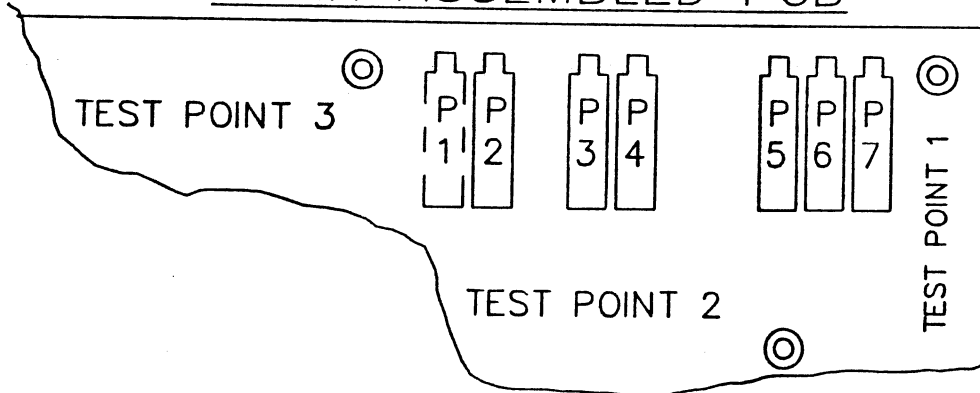
IF ERRATIC OPERATION OCCURS WHEN UNIT IS INITIALLY POWERED, ADJUST P5 UNTIL SYSTEM IS STABLE.

1. SET SPEED—ADJUST—POT (P8 ON FRONT PANEL) TO 0000 ; ADJUST P3 FOR 0.000 V AT TP3 (U4 OUTPUT).
2. ADJUST P2 TO CAUSE MOTOR TO COME TO DEAD STOP ; ADJUST P7 FOR 0.000 V AT YELLOW OUTPUT JACK ON FRONT PANEL.
3. SET THE MOTOR SPEED TO 3600 RPM BY ADJUSTING THE SPEED—ADJUST—POT (P8) FOR ONE IMAGE OF THE MOTOR SHAFT WHEN A LINE—TRIGGERED STROBE IS FOCUSED ONTO THE SHAFT ; ADJUST P6 FOR 3.60 V AT YELLOW OUTPUT JACK.
4. SET SPEED—ADJUST—POT (P8) TO 0200 ; ADJUST P2 FOR 0.200 V AT YELLOW OUTPUT JACK.
5. SET SPEED—ADJUST—POT (P8) TO 3600 ; ADJUST P4 FOR 1.44 V AT TP1.
6. ADJUST P5 FOR 3600 RPM OF MOTOR SHAFT AS INDICATED BY STROBE.
7. SET SPEED—ADJUST—POT (P8) TO 0100 ; ADJUST P2 FOR 100 RPM OF MOTOR SHAFT.
8. SET SPEED—ADJUST—POT (P8) TO 0000 ; APPLY 3.60 V TO THE GREEN INPUT JACK ON THE FRONT PANEL AND ADJUST P5 FOR ONE IMAGE OF THE MOTOR SHAFT AS INDICATED BY THE STROBE.
9. SET SPEED—ADJUST—POT (P8) TO 3600 ; ADJUST P4 FOR ONE IMAGE OF THE MOTOR SHAFT AS INDICATED BY THE STROBE.
10. REPEAT STEPS 7, 8, & 9.

MSRX ASSEMBLED PCB

TEST POINT 3

P1 P2 P3 P4 P5 P6 P7

TEST POINT 1

TEST POINT 2

C# 01MRW1X

| 1 | 5-17-88 | ECO # 175 | TJM |

PINE Instrument Company
Grove City, PA 16127

DWN. T.J.M.	TITLE MSRX CALIBRATION INSTRCTIONS			
CKD. C.E.B.				
ENG. C.E.B.	DWG. SIZE	DRAWING NO.	SHEET	REV.
DATE 4-28-88	A	EBCB3217X		1