

COLUMN PICKUP CALIBRATION
SUMMARY VERSION

1. REMOVE EACH COVER FROM THE PICKUP ASSEMBLY AT REAR OF COLUMN.
2. CHECK DC VOLTAGE BETWEEN THE RED WIRE (INSIDE ROUND CONNECTOR) AND GROUND. VOLTAGE SHOULD BE BETWEEN -.1 VOLT DC AND .1 VOLT DC. ADJUST ROUND ORANGE TRIMMER POT (C10) WITH BLUE TUNING WAND IF NECESSARY. (THIS TASK IS EASIER IF YOU USE ALLIGATOR CLIPS.)
3. SET COLUMN DISTANCE APPROXIMATELY 21" AND MOUNT THE CALIBRATION ARBOR ON THE BEARING TRUNNIONS. ADJUST END STOP(S) AND MAGNETIC TACHOMETER PICKUP OR ELECTRONIC PHOTO-EYE AS APPLICABLE.
4. PRESS "ENTER 7 ENTER" TO REMOVE ALL PREVIOUS CALIBRATION.
5. SET LEFT AND RIGHT RADIUS TO 3.5", "A" AND "C" = 0, AND B = 16". NOTE: BE SURE THAT "REMOVE" LIGHT IS ON (LIT) AND THE F/C BUTTON IS OFF.
6. RUN CALIBRATION ARBOR AT APPROXIMATELY 600 RPM. PUSH THE "HOLD" BUTTON SO THAT LIGHT GOES OUT. (BUTTON BETWEEN LEFT AND RIGHT AMTS).
7. AFTER FIRST ANGLE AND AMOUNT READINGS APPEAR, LET ROTOR CONTINUE TO RUN AND ADJUST RECTANGULAR GAIN POT (R19) SO AMOUNTS READ 18.0 TO 18.6 GRAMS. AFTER ADJUSTING POT, READINGS WILL BE ERRATIC FROM STATIC ELECTRICITY FOR A FEW UPDATES. AFTER BOTH SIDES ARE ADJUSTED, CHECK VOLTAGE AND READJUST IF NECESSARY. AFTER READINGS HAVE STABILIZED, PUSH "HOLD" AND THEN PRESS "ENTER 2 ENTER". AFTER A SEVERAL SECONDS, PANEL WILL READ ANGLE 0, AND AMOUNT 40 ON BOTH SIDES.
8. PRESS "HOLD" TWO TIMES.
9. STOP ROTOR AND REMOVE FROM MACHINE. REPLACE THE TWO PICKUP COVERS.
10. MACHINE IS NOW READY TO BALANCE PARTS.