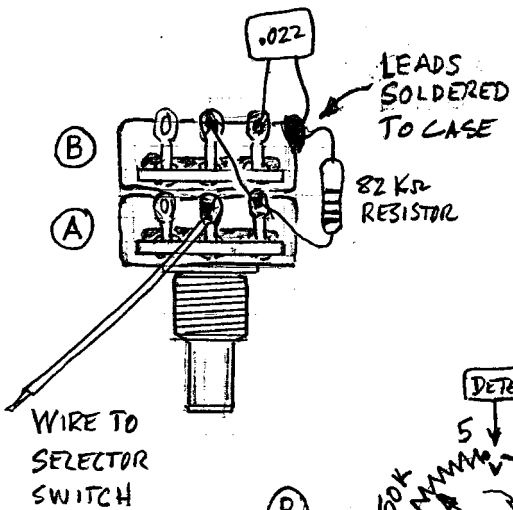
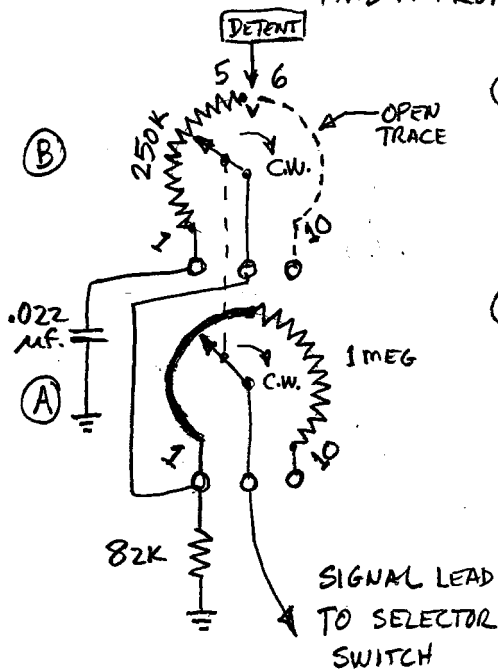


STANDARD FENDER TBX TONE CONTROL



SECTION (A) IS A SPECIAL 1 MEGOHM POT
SECTION (B) IS A SPECIAL 250K POT

STRATOCASTER CONTROL KNOB IS NUMBERED FROM "1" THRU "10". MID-ROTATION OF TBX CONTROL HAS A PRONOUNCED LOCATING DETENT AT "5.5" ON THE KNOB.



(B) THE 250 K RESISTANCE TRACE IS ACTIVE FROM "1" TO THE "5.5" DETENT. BEYOND THE DETENT, FROM "6" UP THRU "10", THE TRACE IS COMPLETELY OPEN-CIRCUITED.

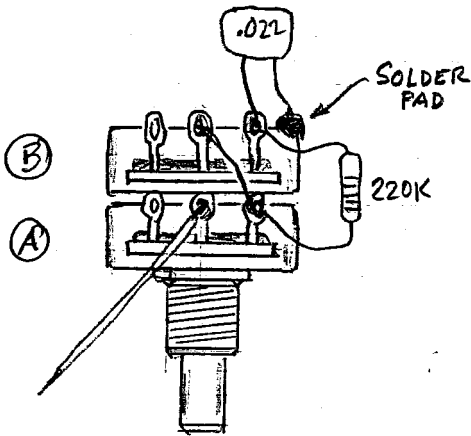
(A) THE 1 MEGOHM TRACE IS A CONTINUOUS CONNECTION, OR SHORT CIRCUIT, FROM POSITION "1" THRU POSITION "5.5". BEYOND THE DETENT THE 1 MEGOHM RESISTANCE TRACE IS ACTIVE.

NOTE: THE 82K RESISTOR IS SHUNTED ACROSS THE SIGNAL PATH TO GROUND AT ALL TIMES.

THIS CONTROL DOES NOT PROVIDE AN OPTIMUM MATCH FOR USE WITH HIGH IMPEDANCE PICKUPS AND 250K OR 500K VOLUME CONTROL CIRCUIT.

THE EXISTING TBX WIRING CAN BE EASILY MODIFIED TO PROVIDE A MUCH MORE VERSATILE CONTROL THAT COMBINES THE FEATURES OF A STANDARD 250K TONE CONTROL AND A NO-LOAD TONE CONTROL. THE MODIFIED TBX ALLOWS A GRADUAL LOAD REDUCTION, WHEREAS THE DELTA-TONE STYLE CONTROL OPEN-CIRCUITS ABRUPTLY AT THE "10" END OF CONTROL ROTATION.

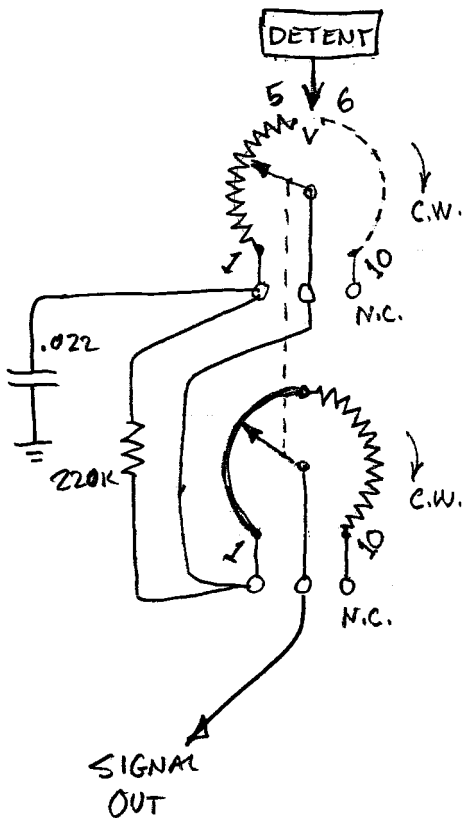
MODIFIED TBX TONE CONTROL



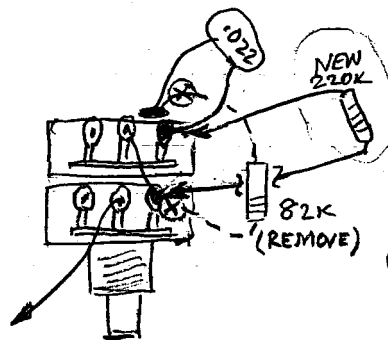
THIS MODIFIED CONTROL IS IDEAL FOR USE WITH REGULAR HIGH IMPEDANCE PASSIVE PICKUPS FOUND IN STRATOCASTER AND TELECASTER.

IT PROVIDES NORMAL 250K TONE CONTROL ACTION FROM THE "5.5" DETENT POSITION DOWN TO "1" FOR FULL TREBLE CUT. ABOVE "5.5", RESISTANCE FROM THE 1 MEGOHM POT IS PROGRESSIVELY ADDED ON TOP OF THE 250K. BY ADDING MORE RESISTANCE, THE CONTROL PRESENTS LESS LOADING THAN A STANDARD TONE CONTROL. AT "10", THE TOTAL RESISTANCE IS 1,220K OHMS, ESSENTIALLY PROVIDING THE EFFECT OF A NO-LOAD CONTROL. SONIC EFFECT IS MORE "AIR" AND TREBLE, SIMILAR TO A WIDE OPEN PICKUP WITH NO TONE CONTROL CONNECTED.

THE 220K RESISTOR PROVIDES CONTINUITY ACROSS THE TEMPORARY "OPEN" AT THE DETENT POSITION.



TO MODIFY AN EXISTING "82K" TBX CONTROL :



- ① CLIP OFF EXISTING 82K RESISTOR AT THE CASE GROUND PAD AND AT THE END POT LUG. LEAVE THE DIAGONAL JUMPER, WHICH IS ACTUALLY THE END OF THE RESISTOR LEAD, IN PLACE.
- ② ADD A 220K RESISTOR ACROSS THE TWO OUTER LUGS OF EACH POT.