

SR-160 to SR-500 MOD

The SR-160 is the predecessor of the SR-500. They took the SR-160 made a few ckt changes to improve the overall performance and used different final tubes. Then they replaced the PS-150-120 power supply with the PS-500-120, PS-500-DC, P-500-DC or the P-500-AC.

The factory change used the 8236 carbon block plate tube. However the 6DQ5 is a direct replacement for the rare and expensive 8236. If you use the 6DQ5 you will absolutely need to use a fan for cooling. I use a 12 volt computer muffin fan powered by a 12v wall wart simply placed on the top of the case over the final tubes. The fan should draw hot air out *not blowing cold air in*. If at all possible go with the 8236, it is indestructible and will last forever. But you need a MATCHED PAIR.

PART CHANGES required for proper operation.

REF DESIGNATOR	STOCK SR-160	MODIFIED SR-160
C11 *	47uuf	22uuf
C12 *	8.2uuf	6.8uuf
R53	47K	6.8K
C65	47uuf	150uuf
R92	180K	220K
C100	1000uuf	750uuf
C104	470uuf	220uuf
C107	1000uuf	750uuf
R96 **	56K	delete
C119	680uuf	620uuf
C120	430uuf	250uuf
C121	510uuf	300uuf

*** These changes did not have anything to do with the PA mod. They were Factory directed changes to improve the receiver operation.**

**** Resistor R96 was removed for proper bias for either the 8236 or 6DQ5 final upgrade.**

MAKING THE CHANGE FROM THE 12DQ6A TO THE 6DQ5 OR THE 8236 WILL REQUIRE REWIRING THE CATHODE, SCREEN AND THE FILAMENTS.

Best Regards, Walt WD0GOF.