DATE 5/2/61 SH. 1 OF 2 COMPILED BY M. Gellman	TMC SPECIFICATION NO. S 557	REV. B
APPROVED	TITLE: Conversion of MSR-6/MSR-6A to MSR-6B.	JOB

1. Remove cover to relay K2.
2. Looking from the front of unit at the top right hand side of relay K2, move blue shielded lead from term. 1 to terminal 2, assuming top terminal is 1, second terminal #2, and third terminal #3.
3. Remove black jumper between terminal 2 and terminal 5.
4. Place shielded cable through grommet near lower sideband light
5. Place 5" piece spaghetti over shielded cable.
6. Push back shield and pull wires through shield, exposing about 2".
7. Connect red wire to terminal 3 of K2.
8. Connect blue wire to terminal 2.
   Connect white wire to terminal 1.
9. Connect shield and black wire to ground lug on K2.
10. Reinstall cover on K2.
11. Crimp lug around spaghetti and cables. On one side of the manual/crystal switch, place a ground lug on the protruding screw with a 6-32 nut.
12. Run shielded wire under ground lug near S5.
13. Place 3" length of spaghetti on exposed end of cable. Strip wire near end of spaghetti.
14. Solder shield lead to ground lug on V4.
15. Solder black lead to terminal nearest chassis of R45 on TB4.
16. Connect red lead to terminal R43.
17. Connect 22,000 ohm (R27) between R43 and R51.
18. Connect 68K(R14) and .01 (C22), to terminal R51 and terminal near chassis of C46.
19. Connect white lead to terminal C43.
20. Remove jumper on TB4 terminal R45 and terminal R43 toward chassis.
21. Remove jumper on TB4 terminal R43 and terminal C42 toward chassis.
22. Remove jumper on TB4 terminal R51 and terminal R50 toward chassis.

DATE 5/2/61 SH. 2 OF 2 COMPILED BY M. Gellman	TMC SPECIFICATION NO. S557	REV. B
	TITLE: Conversion of MSR-6/MSR-6A to MSR-6B.	JOB
APPROVED		

23. Remove white lead from terminal 12 of E1 and cut near shield.

24. Remove blue lead from terminal C51 on TB5 and connect to terminal 12 of E1. Reverse meter leads on AFC indicator. (Remove 12K from Pin 2 of V5 and replace with 100K(R29)).

    This modification should be done, if it has not been done in the field.

25. Remove yellow lead from pin 3 of V5 - connect to pin 2 of V5.

26. Disconnect (red) pin 3 of Z4 from pin 2 of V5.

27. Connect (R29) 100K resistor from pin 2 of V5 to ground lug.

28. Remove leads from pin 3 of V5 to pin 2 of Z4, 270 ohm (R28) from pin 3 of V5 to ground.

29. Connect pin 3 of Z4 to pin 1 of V5.

30. Remove .01 from pin 1 of V5.

31. Disconnect lead from pin 1 of Z4 and pin 1 of V4.

32. Connect (C21) 1000 uufd from pin 1 of V4 to pin 1 of V5.

33. Connect .1 ufd (C41) between R42 and R31 ground.

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S-557

MODEL S-557 PROJECT NO _____

DATE	REV.	PAGE	EMN#	DESCRIPTION	CHK.	APP.
5-12-61	A	2	4906	On "Step 24", added: (Remove 12K from pin 2 of V5		
		"	"	and Replace with 100K(R29).		
5-12-61	A	1	4906	On Step 17, chg. R27 from 68,000 to 22,000.		
8/17/61	B	1	5441	A. On Step 2, chg. "remove" to "move." chg. "output		
		"	"	on" to "terminal 1 to"		
		"	"	B. On step 3, chg. terminal "3" to "5"		
		"	"	C. On step 7, chg. "white" to "red", Chg. terminal		
		"	"	"1" to "3"		
		"	"	D. On step 8, chg. "red" to "blue" chg. "3" to "2"		
		"	"	add "connect white wire to terminal 1"		
		"	"	E. On step 9, chg. "ground" to "connect"		
		"	"	F. On step 18, chg. "(C21)" to "(C22)"		
	B	2	5441	A. On step 25, chg. "pin 1 of T7" to "pin 3 of V5"		
		"	"	B On step 28, insert "to pin 2 of Z4" after "V5".		
		"	"	Delete comma after "connect" insert "of V5" after		
		"	"	" pin 3".		