

CL	TMC SPECIFICATION															NO. S 955			
REV: 0																			
COMPILED: REM	CHECKED: LB					APPD: DB					SHEET 2 OF 6								
TITLE: TMC MODIFICATION KIT -187 FOR RFC-1A																			
May 12, 1965																			

- A. The following KIT-187 is issued to Modify the RFC-1A "Loading" switch assembly for S-203.
- B. The modification corrects instability in output loading.
- C. Material required and furnished as a part of KIT-187.
 1. Capacitor Bracket Mounting Assembly, A-4256, and nameplate NP362-43 RFC1B.
- D. PROCEDURE:
 1. Remove the RFC from associated equipment and place on workbench. Remove Top and Bottom covers.
 2. Remove Side Plate on blower side of RFC. Remove all screws from side plate with the exception of the one holding the Cable Clamp in Place.
 3. Drop the side panel to the side with the edge of the RFC-1A protruding over the edge of the workbench. (SEE PHOTOGRAPH).
 4. Remove metal "Meter cover box." Two nuts on bottom and two screws at top.
 5. Disconnect shaft coupling on IPA Band switch S-202 and remove shaft.
 6. Unsolder lead from S-203 supporting floating barrel capacitor C-272 and discard both lead and capacitor.
 7. Remove screw from Barrel capacitor mounted on right side of S-202 mounting bracket MS-1438E-190.
 8. Unsolder and discard the short lead connecting from the Barrel capacitor (STEP #7) to S-202. Remove and discard the capacitor.
 9. Unsolder the lead connecting between S-203 and Barrel capacitor C-274. Remove both the lead and the Capacitor and discard.
 10. Remove the two front panel mounting screws holding S-203 with switch in place.
 11. Place new capacitor assembly A-4256 over and behind S-203 with switch shaft of S-203 in slotted part of new capacitor assembly, A-4256.
 12. Line up mounting holes of new capacitor assembly with S-203. Replace mounting screws and tighten in place.

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13. Solder the inside lead labled C-298 C-299 of the new assembly to the contact of S-203 which previously connected to C-274. (If necessary first remove the lead from the assembly prior to soldering to S-203.) Then replace the lead on the capacitor assembly connection C-298 C-299.
14. Solder the outside lead of the new assembly marked C-300 C-301 to the contact of S-203 which previously connected to C-272. (If necessary first remove lead from new assembly as in step #13).
15. Remove the short lead from the new assembly labled C-296 C-297 (MIDDLE TERMINAL) and connect the remaining lead of S-203 to the middle terminal, then replace the short lead, washers and nut. Tighten down nut.
16. Solder remaining end of the short lead to the top contact of S-202 (Right hand side when facing the front panel). (SEE PHOTOGRAPH PAGE-5).
17. Replace "IPA Band Switch" shaft and coupling.
18. Replace side plate, meter cover box, Top and Bottom covers.
19. Attach new nameplate to RFC-1A directly below present one. This modification changes the RFC-1A to RFC-1B.

THIS COMPLETES KIT-187

Sheet 4 of 6

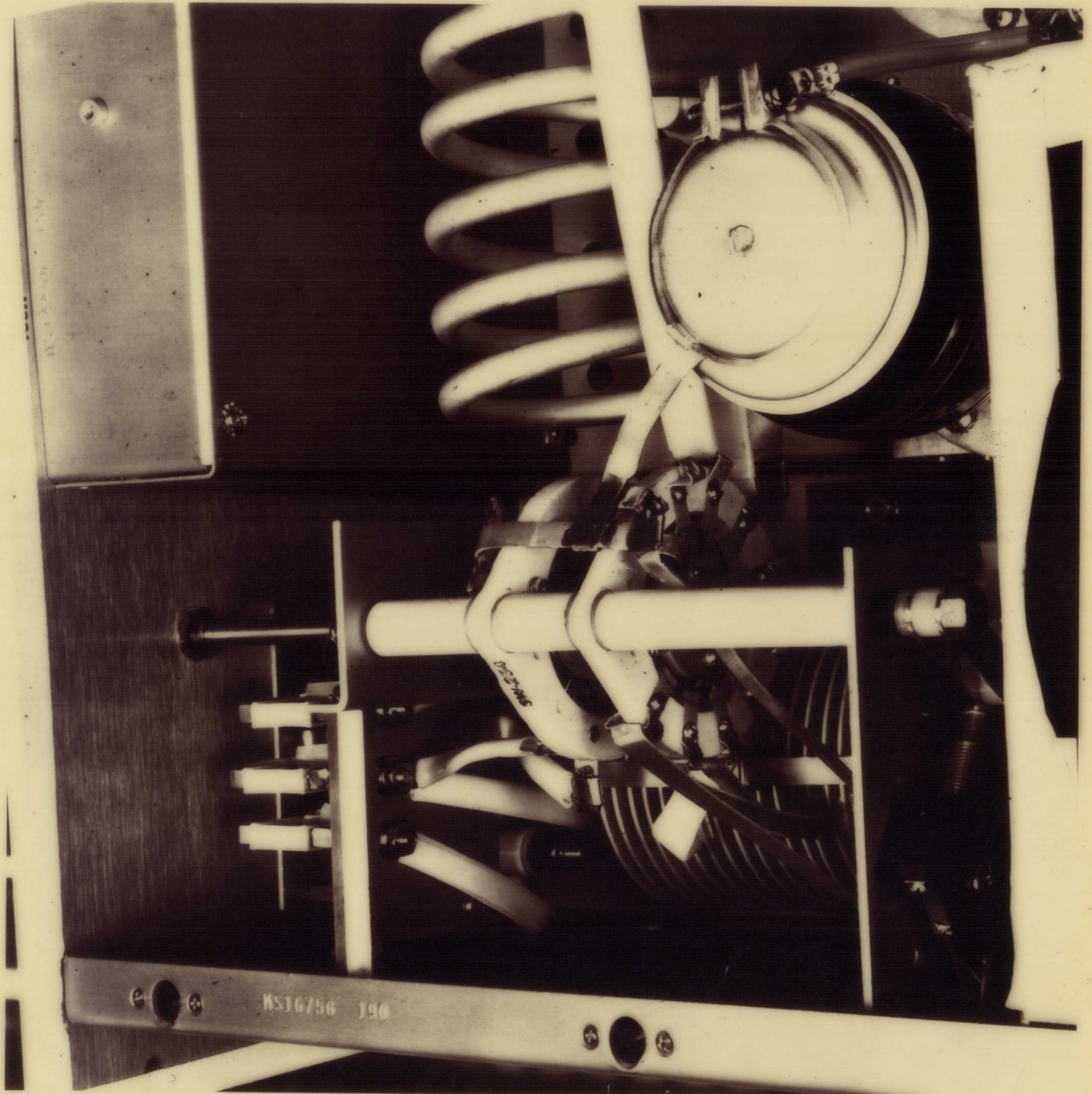
s 955



UNMODIFIED UNIT
SHOWING METER COVER
REMOVED

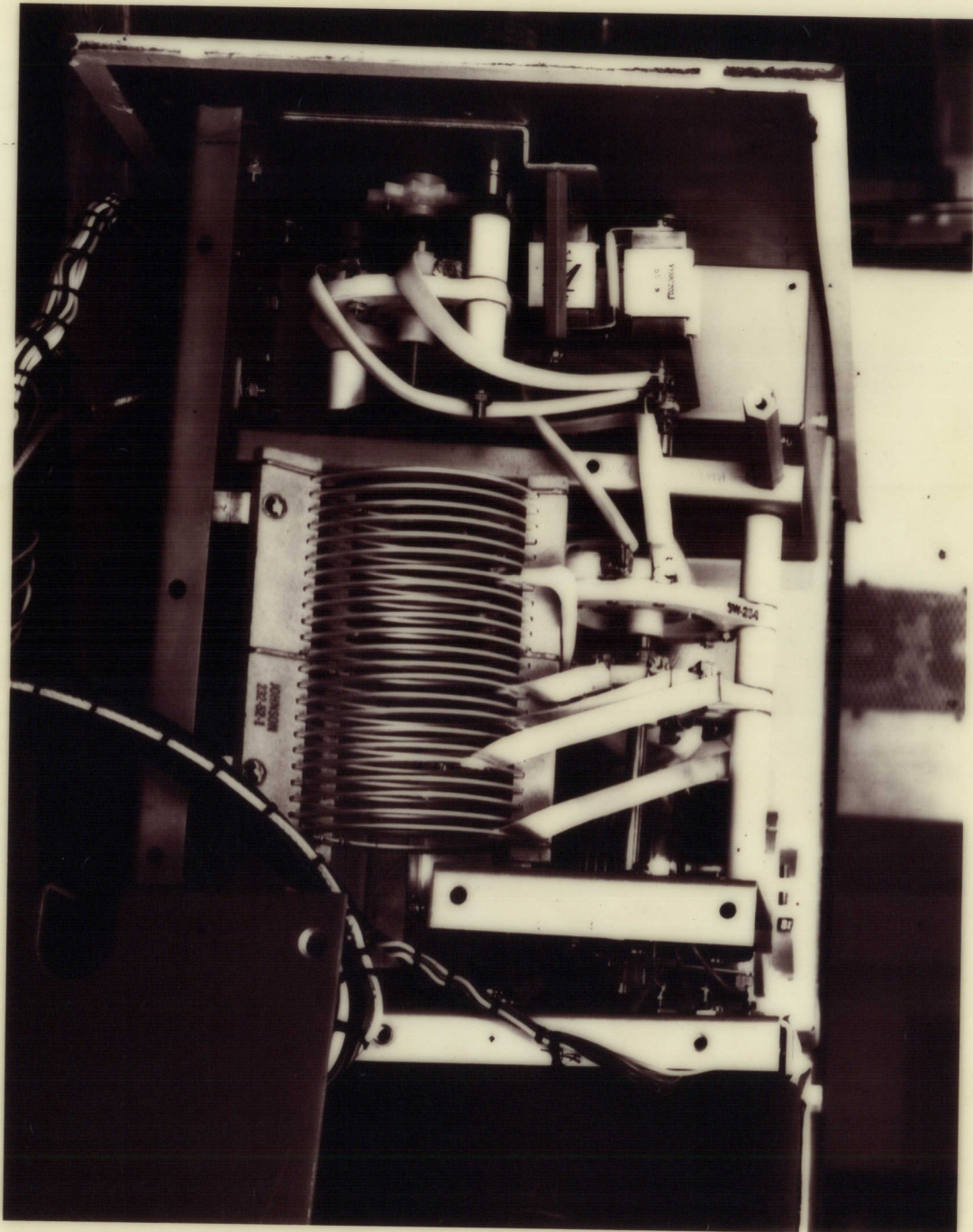
Sheet 6 of 6

S 955



COMPLETED UNIT WITH ASSEMBLY A-4256 SIDE PLATE, AND METER COVER REPLACED.

S-955



UNIT SHOWING SIDE PANEL REMOVED AND EXTENDING OVER EDGE OF WORK BENCH TO FACILITATE MOUNTING OF NEW ASSEMBLY A-4256.

