

DATE 8/27/58

SH. 1 OF 1

COMPILED BY

N.C.

TMC SPECIFICATION NO. S-390

TITLE: Oscillator Assembly Modifications

JOB

APPROVED

PMO - VOX - RTF

1. Use No. 12 bus wire throughout as indicated in model provided.
2. Replace present chassis with cast aluminum chassis. Machine as indicated per CS 123.
3. Capacitors C-305 and C-306 are to be soldered directly to ferrules as per model provided.
4. Feed thru insulators and/or capacitors are to be used as per model provided. Specifically feed thru capacitors (.001) are to be used on the following leads:
  - a. Blue-white (C-322)
  - b. Brown (C-323)
  - c. Red (C-321)
5. Coil L-301 is to be secured to chassis apron with bracket as per model provided.
6. L-301 tuning slug assembly to be 1/4-28 shaft with threaded 3/8" bushing as per model provided.
7. Reorient C-303 and reroute bus as per model provided.
8. 100 Kc oscillator assembly, i.e. C-309, C-312, C-311, and V301 to be relocated to top of chassis and enclosed in can. V301 to be changed from Filley type KV3 to CR-42/U. Coaxial cables (subminax 50 ohm, Teflon insulated) are to be used between new 100 Kc oscillator assembly and V302B. See model provided for details.
9. Replace coil spring on arm of C-301 with spring of increased tension as per model provided.
10. Add right angle bracket between C-301 and chassis as per model provided.
11. Increase spring tension of split gear on shaft of C-301 and rotate sections of split gear to eliminate back lash.