

TMC SPECIFICATION

NO. S 1108

REV:

0 A B

COMPILED: RJE

CHECKED:

APPD: *[Handwritten Signature]*

SHEET

1

OF

4

TITLE:

Typed by mp 6/7/66

NAVSHIPS 0967-218-7100

KIT- 297

MODIFICATION FOR RTTD-1 AND RTTD-2

TMC SPECIFICATION

NO. S 1108

REV: A B

COMPILED: RJE

CHECKED:

APPD: *SPM*

SHEET 2 OF

TITLE: KIT-297 MODIFICATION FOR RTTD-1 AND RTTD-2

PURPOSE:

The purpose of this kit is to improve the Techni Matic's servo control system using RTTD-1 or RTTD-2 decoder.

MATERIALS SUPPLIED:

1. Model 321 module
2. Two (2) feet of MWC-22 (7) UO Wire

PROCEDURE:

- A. At the RTTD remove R4026 and R4027 from standoffs located near J4006.
- B. Next, change AUDIO SYNC tone coax center conductor as indicated on Figure #1.

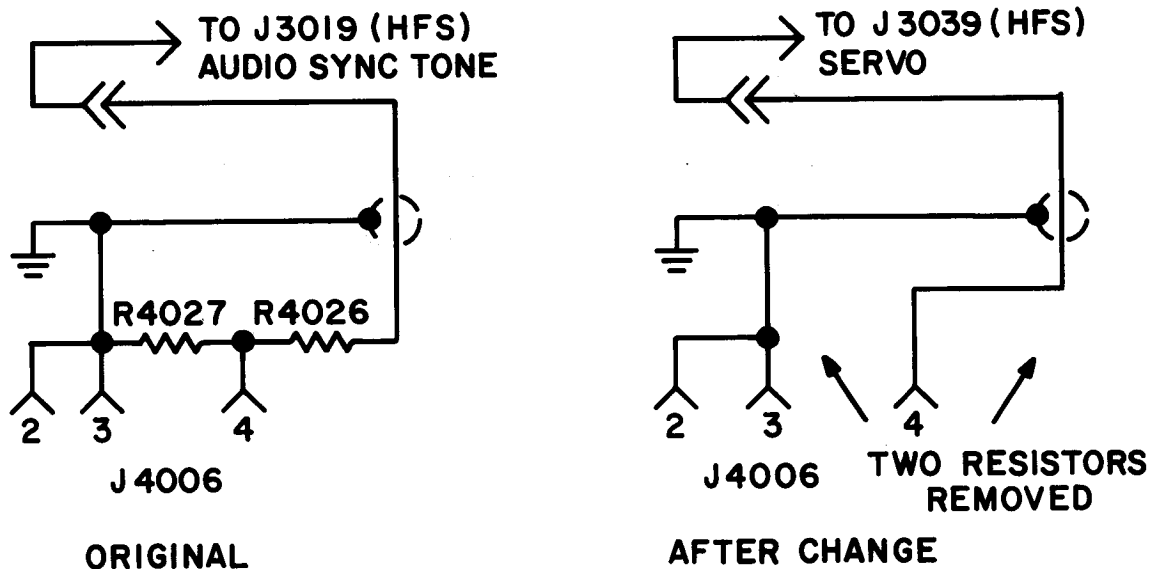


FIGURE #1

The above modifications conclude those on the RTTD main chassis.

- C. After completion of the above, remove the Servo Package (AZ-103) from the RTTD by moving the four (4) 6-32 screws holding it in place.
- D. Then, remove flat head 6-32 screws from bottom plate, thereby exposing the interior components.

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SHEET 3 OF 4

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- E. Remove capacitor(s) (nominally 33uf) from between standoff.
- F. Your attention is now invited to the interior terminal board with components as shown below in Figure #2. Remove 18K (nominal).

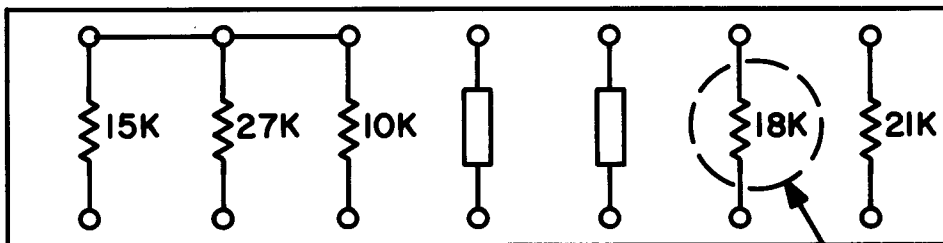
**REMOVE BY CLIPPING LEADS**

FIGURE #2

NOTE: Observe the fragility of the standoffs. When removing the components, please use extreme care.

- G. Now, remove the 18K resistor by clipping off the leads close to standoffs.
- H. On K2 relay connections, remove yellow wire pair from Pin 4 and connect yellow wire pair to standoff with grey wire pair attached. Solder a length of black insulated wire from the vacated Pin 4 to ground terminal standoff in center of box.
- I. Next, replace AZ-103 module 311 with new module 321. Fasten in place with appropriate screws. Re-install in RTTD.

