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**NAVSEA 0967-LP-063-2060**

FORMERLY 0285-020-5000, NAVSHIPS 981194

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**NAVSEA 0967-LP-063-2060**

FIELD CHANGE BULLETIN

**ELIMINATING SPURIOUS RADIATION**

**FOR OFFICIAL USE ONLY**

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0967-063-2060  
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ELECTRONIC FIELD CHANGE BULLETIN  
BUREAU OF SHIPS, DEPARTMENT OF THE NAVY  
WASHINGTON 25, D. C.

: 1-R-390/URR  
: 1-R-390A/URR  
:  
:

## FIELD CHANGE NUMBER

**Field Change 1-R-390/URR, 1-R-390A/URR,  
Eliminating Spurious Radiation, Type II,  
Class A, 1/2-Manhours Required**

This field change applies to all R-390/URR and R-390A/URR Radio Receivers.

The purpose of this field change is to eliminate continuous radiation at 340 mc. as a result of parasitic oscillations, by connecting the suppressor grid to the cathode of the local audio tube V603.

No previous field changes need be accomplished. Equipment nomenclature is not affected.

This field change can be identified by the presence of a soldered jumper lead connected between pins 2 and 7 of tube socket XV603.

Material required: 1 inch of wire, electrical, bare solid, No. 22, SD tinned copper; FSN 6145-160-4775, to be drawn from stock.

## PROCEDURE:

Reference should be made to the technical manuals for Radio Receiver Sets R-390/URR, DA-TM11-856, figure 8, and R-390A/URR, DA-TM11-856A, figure 8.

1. *Radio Receiver R-390/URR*

- a. Remove the eight screws and lockwashers holding the bottom dust cover to the chassis and remove the cover.
- b. Remove the screw, nut, lockwasher, and cable clamp holding the cable harness at the upper edge of the compartment divider (fig. 8).
- c. Loosen the three captive screws holding the a-f subchassis to the main chassis.
- d. Remove the two cable plugs from jacks J619 and J620.
- e. Carefully remove the a-f subchassis to permit access to tube socket XV603.
- f. Unsolder and remove the jumper lead connected between pin 2 and ground of tube socket XV603.
- g. Connect and solder a suitable length of No. 22 AWG solid wire between pins 2 and 7 of tube socket XV603.
- h. Replace the a-f subchassis to the main chassis and fasten the three captive screws.
- i. Reinsert the two cable plugs in jacks J619 and J620.

j. Replace the bottom dust cover using the original hardware.

k. Check the over-all performance of the equipment.

2. *Radio Receiver R-390A/URR*

a. Remove the eight screws, lockwashers, and flat washers holding the bottom dust cover to the chassis and remove the cover.

b. Remove the two cable plugs from jacks J619 and J620.

c. Loosen the four captive screws holding the a-f subchassis to the main chassis and remove the subchassis.

d. Unsolder and remove the jumper lead connected between pins 2 and 4 of tube socket XV603.

e. Connect and solder a suitable length of No. 22 AWG solid wire between pins 2 and 7 of tube socket XV603.

f. Replace the a-f subchassis to the main chassis and fasten the four captive screws.

g. Reinsert the two cable plugs in jacks J619 and J620.

h. Replace the bottom dust cover using the original hardware.

i. Check the over-all performance of the equipment.

## ROUTINE INSTRUCTIONS:

Correct the technical manuals DA-TM11-856 and DA-TM11-856A in accordance with the instructions immediately following this article.

Holders of equipment accompanied by technical manuals shall not make these corrections until the field change has been accomplished.

Maintenance support activities shall make these corrections immediately.

Personnel making this field change shall record the completion of the change on the Electronics Equipment History Card-NAVSHIPS 536-and the completion data on the Field Change Record Card-NAVSHIPS 537.

## Technical Manual Correction

Figure 43, "Local audio channel, schematic diagram," and figure 106, page 188, "Radio Receiver R-390A/URR, schematic diagram": cross out ground symbol of wire connected to pin 2 of local a-f output V603 and indicate jumper lead from pin 2 to pin 7.