

HF
12-28-65
0

DATE December 13, 1965

NUMBER C-295

COPIES TO:

- | | |
|-----------------------|------------------|
| R. Orwin | J. Pettineo |
| C. Mathews | R. Burger |
| H. Pearson | G. Watkins |
| S. Farbotko | C. Frangos |
| T. Dambrauskas (12) ✓ | D. Meyers |
| J. LaRue | J. Justman |
| E. Corcoran | W. Burandt (2) |
| N. Terada (2) | E. Kolodziej (2) |
| D. Farris | |

Name of Department

-----COMMUNICATIONS-----

CATEGORY (Indicate One)

- () TEMPORARY USE OF OTHER THAN SPECIFIED PART OR MATERIAL
- () TEMPORARY DEVIATION FROM PRINT SBEC
- (XXXXX) FORMAL CHANGE REQUEST TO FOLLOW
- () OTHER (Describe)

B/M NO. AFFECTED 001-004983

MODEL(S) AFFECTED P-2000

PART NUMBER(S) AFFECTED 033-001262 & 406-065312-008

SERVICE MANUAL AFFECTED _____

DESCRIPTION:

Shipping Board #078-001786 must be stamped, using stamp #033-001262, on bottom side of board after board is assembled to unit.

REASON: Stamp indicates proper screws to use when assembling feet to unit, therefore eliminating damage to the unit by use of the wrong screws.

REQUESTED BY J. Pettineo AUTHORIZED R. Orwin
 ENGINEERING J. Pettineo

NOTE:

INTER-OFFICE MEMO



DATE April 28, 1966
TO J. Justmann
ATTENTION A. Dambrauskas, B. Golbus, R. Orwin
SUBJECT Serial Number for SR-2000

SERV-DEPT. APR 29 1966

The first six digits of the serial number for Model SR-2000, M.O. 6621, are to be 452000.

R. Burger
R. Burger
Quality Control

RB/rm

cc: Servis Dept. Personnel (11 copies)



12 copies - memo
1-3-66
INTER-OFFICE MEMO

DATE December 30, 1965
TO J. Justmann
ATTENTION A. Dambrauskas, B. Golbus, R. Orwin
SUBJECT P-2000 Serial Number

SERV-DEPT. JAN 3 1966

The first six digits of the serial number for Model P-2000,
M.O. 6623, are to be 752000.

D. Dayton

D. Dayton
Quality Control

RM

SERV-DEPT. JUN 24 1966

ENGINEERING INSTRUCTIONS -- FIFTH AVENUE

DATE June 22, 1966

NUMBER C-331

COPIES TO:

- R. Orwin
- C. Mathews
- H. Pearson
- G. Luper
- T. Dambrauskas (12) ✓
- J. LaRue
- E. Corcoran
- N. Terada (2)
- D. Farris

- M. Perclach
- J. Pettineo
- R. Burger
- G. Watkins
- D. Meyers
- J. Justman
- W. Burandt (2)
- W. Birchman

Name of Department

-----COMMUNICATIONS-----

CATEGORY (Indicate One)

- () TEMPORARY USE OF OTHER THAN SPECIFIED PART OR MATERIAL
- () TEMPORARY DEVIATION FROM PRINT SPEC
- (X) FORMAL CHANGE REQUEST TO FOLLOW
- () OTHER (Describe)

B/M NO. AFFECTED 001-004960

MODEL (s) AFFECTED SR-2000

PART NUMBER (s) AFFECTED SEE ATTACHED SHEET

SERVICE MANUAL AFFECTED 094-904120

DESCRIPTION:

SEE ATTACHED SHEET

REASON: DESIGN REQUIREMENTS

REQUESTED BY R. STANFORD

AUTHORIZED

ENGINEERING

R. STANFORD

[Handwritten Signature]

NOTE:

DESCRIPTION:

1. Delete C189, .001 Disc. (147-001671).
2. Delete C214, .01 Disc. (047-100354).
3. Change C126, from 5 mmf npo (491-001050-022) to 15 mmf npo (491-005150-022).
4. Change C137, from .02 Disc. (047-100242) to .1 200V Mylar (046-001294-004).
5. Change C198, from .02 Disc. (047-100242) to .01 Disc. (047-100354).
6. Change R141, from 220K $\frac{1}{2}$ W 10% RES. (451-252224) to 100K $\frac{1}{2}$ W 10% RES. (451-252104).
7. Add a 1 MEG. $\frac{1}{2}$ W 10% RES. (451-252105) from junction of C10 and CR1 to ground on ANT. Coil. Assy.
8. Add a 1N 456 Diode (019-002964). Connect cathode to ground and anode to cathode of CR15.
9. Add a 68R (451-252683) between low end of R150 (Vox Sens. Control) and ground.
10. Remove ground connection at C66 and connect to junction of C70, R48 and Lug 3 at T3.
11. Delete C201 .01 Disc. (047-100354) and connect C200, .01 Disc. (047-100354) from the junction of R143 and R144 to pin 8 of V7.
12. Connect R135 (68K) to +150 V line instead of -90V line.
13. On 83A rear, (function SW) disconnect Lug 3 from ground and connect to Lug 4.

R. STAN (OK)

DATE: July 29, 1966

NUMBER: C-339

COPIES TO:

- | | |
|---------------------|----------------|
| R. Orwin | M. Perciach |
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| T. Dambrauskas (12) | D. Meyers |
| J. LaRue | J. Justman |
| E. Corcoran | W. Burandt (2) |
| N. Terada (2) | W. Birchman |
| D. Farris | |

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COMMUNICATIONS

CATEGORY (Indicate One)

- () TEMPORARY USE OF OTHER THAN SPECIFIED PART OR MATERIAL
- () TEMPORARY DEVIATION FROM PRINT SPEC
- (XXXXX) FORMAL CHANGE REQUEST TO FOLLOW
- () OTHER (Describe)

B/M NO. AFFECTED 001-004960

MODEL AFFECTED SR-2000

PART NUMBER(S) AFFECTED SEE ATTACHED SHEET

SERVICE MANUAL AFFECTED 094-904120

DESCRIPTION:
SEE ATTACHED SHEET

REASON:
DESIGN REQUIREMENT

REQUESTED BY R. Stanford

AUTHORIZED

ENGINEERING R. Stanford

NOTE:

1. Change 15m Ant coil.
051-003350 to 050-003282
(Change coil on coil assemblies not installed in main chassis only.)
Old coil (050-003350) may be reworked to make new coil (050-003282).
Remove 3 (three) turns from secondary.
2. Resistor R40 (680K 10% 1/2W) may be changed in value as required to accommodate "S9" S meter reading for 15 to 100 microvolt input.
3. In performance specification 093-002154
Item III-D-1 Change -60DB to read -50DB.
Item III-D-2 Change -50DB to read -40DB.
Item III-D-3 Change -50DB to read -40DB.
Item III-E-2 Change 2MV to read 1MV.
Item III-L-2 Change 250MW to read 50MW and 8DB to read 10DB.
Item III-M-1 Change clockwise to read counter-clockwise.
Item III-M-2 Change counter-clockwise to read full clockwise.
4. On final tank coil (050-002328) install two plastic wedges (073-006952). See 050-002328 "issue C" drawing. Rework only coils not installed in main chassis.

SERV-DET. JAN 5 1967

ENGINEERING INSTRUCTION - 16TH STREET

DATE January 4, 1967

NUMBER C-380

COPIES TO:

G. Larson	J. Pettineo
H. Pearson	R. Burger
G. Luper	G. Watkins
T. Dambrauskas (12)C	D. Meyers
J. LaRue	J. Justman
E. Corcoran	W. Burandt (2)
N. Terada (2)	B. Teutsch
D. Farris	R. Leverence
J. Pellegrino, Sr.	

-----Name of Department-----
Communications

CATEGORY (Indicate One)

- () TEMPORARY USE OF OTHER THAN SPECIFIED PART OR MATERIAL
() TEMPORARY DEVIATION FROM PRINT SPEC
(XXX) FORMAL CHANGE REQUEST TO FOLLOW
() OTHER (Describe)

B/M NO. AFFECTED 001-004960

MODEL AFFECTED SR-2000

PART NUMBER(S) AFFECTED See Instructions

SERVICE MANUAL AFFECTED 094-904120

DESCRIPTION:

See Attached Sheet

REASON: To improve 6MC I.F. feed thru. To turn off 100KC marker in transmit. To prevent contact arcing on 40M Band.

REQUESTED BY R. Stanke AUTHORIZED J. Miller

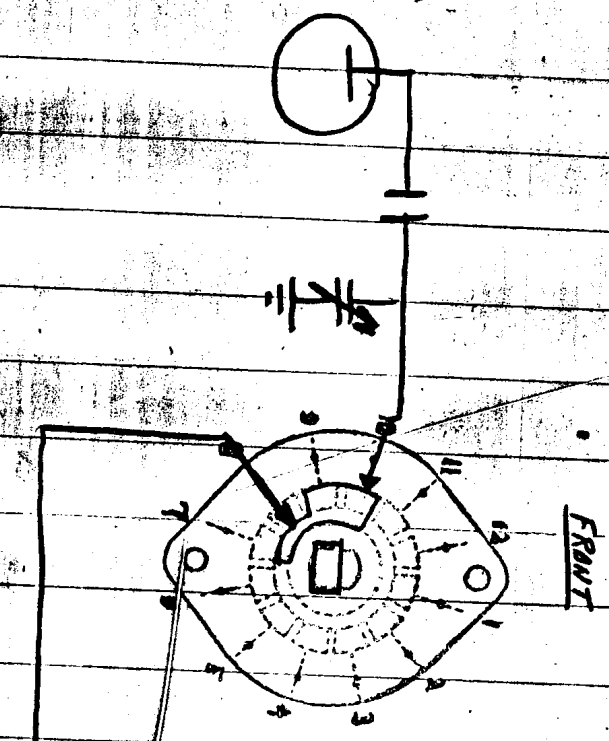
ENGINEERING R. Stanke

NOTE:

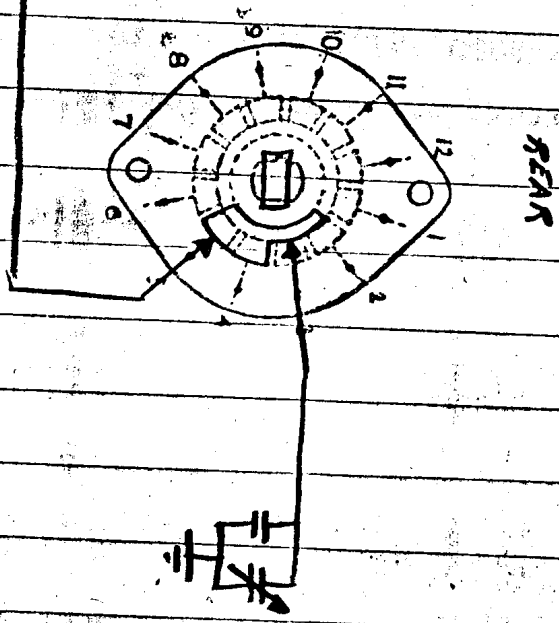
1-4-67

INSTRUCTIONS

1. Disconnect coax lead (Rcvr ant lead) from band switch wafer "B". Connect a 1½" long green lead to the Band switch lug in place of the coax. Mount trap coil (050-003467) on spade bolt of the antenna coil can next to 100KC crystal socket (Y1). Do not remove spade bolt Nvt. The trap coil has a threaded mounting bushing. Rotate the trap coil until mounted firmly, too much pressure may crack the coil form. Connect 1800 MMF Dur-Mica capacitor (493-310182-124) across coil lugs. Attach 1½" long green lead to coil lug with color dot (Start of winding). Attach coax lead (Rcvr ant lead) to other lug, Finish of winding).
 2. Change R8 from 2200 ohm ½ W. (451-252222) to 4700 ohm ½W (451-252472) located between band switch wafer "F" and shield plate, (Ground).
 3. Disconnect lug #8 of VII from ground. Add a .02 +80 -20% 500V Disc (047-100242) between lug #8 of VII and ground. Connect a white/red wire from lug #8 to terminal #3 of vox relay (K2).
 4. On band switch wafer "J" connect lugs #2 and #3 together with a #14 GA. bare tinned wire jumper.
- Walter*



Shown in 80M position



SERV-DEPT. MAR 21 1967

ENGINEERING INSTRUCTIONS

DATE March 17, 1967

NUMBER C-393 ✓

COPIES TO:

G. Larson
G. Luper
T. Dambrauskas (12) ✓
E. Corcoran
J. Pellegrino

D. Farris
J. Pettineo
D. Meyers
J. Justman (12)
R. Burger (3)

Name Of Department

Communications-----

CATEGORY (Indicate One)

- () TEMPORARY USE OF OTHER THAN SPECIFIED PART OR MATERIAL
- () TEMPORARY DEVIATION FROM PRINT SPEC
- (XXX) FORMAL CHANGE REQUEST TO FOLLOW
- () OTHER (Describe)

E/M No. AFFECTED 001-004950

MODEL (S) AFFECTED SR-2000

PART NUMBER (S) AFFECTED See Instructions

SERVICE MANUAL AFFECTED 094-904120

DESCRIPTION:

See Attached Sheet

REASON:

To Reduce Regeneration

REQUESTED BY R. Cap. [Signature]
ENGINEERING [Signature]

AUTHORIZED [Signature]

NOTE

3-17-61

Engineering Instruction C-393
Page 2

1. Mount solder lug 011-000051 under P.A. tuning capacitor lower front frame screw. Mount solder lug 001-000009 with Sems screw 412-045312-006, Ext. lock washer 426-002543 and Kep nut 002-002188 in vacant hole in P.A. assembly bottom plate. Solder lug ends together.
2. Solder 2 1/2" long copper strap between driver and RF shields. Use 076-000371-004.
3. Change R8 on RF coil assembly from 4.7 K to 2.7 K, 451-252272.
4. Add #22 bare wire jumper between lug #4 and lug #9 on each 8122 socket.
5. Re-route #14 bare lead at bottom of tank coil to relay as per sample.
6. Add two ground clips, 075-000959 with two 426-002343 lock washers and two rivets to cabinet bottom cover located per sample.
7. Change 470 mmf. at output of the balanced modulator to 330 mmf. Dur-Mica.

R. Stanford
R. Stanford

[Handwritten signature]

ENGINEERING INSTRUCTIONS

DATE June 27, 1967

NUMBER C-405

COPIES TO

G. Larson	D. Farris
G. Luper	J. Pettineo
T. Dambrauskas (12)✓	D. Meyers
E. Corcoran	J. Justman (12)
J. Pellegrino	R. Burger

Name of Department

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CATEGORY (Indicate One)

- () TEMPORARY USE OF OTHER THAN SPECIFIED PART OR MATERIAL
- () TEMPORARY DEVIATION FROM PRINT SPEC
- (XXXXX) FORMAL CHANGE REQUEST TO FOLLOW
- () OTHER (Describe)

B/M NO. AFFECTED 001-004983

MODEL (S) AFFECTED P-2000

PART NUMBER(S) AFFECTED _____

SERVICE MANUAL AFFECTED 094-904120-B

DESCRIPTION:

Add .01 20% 500 V Disc Capacitor, (047-000354) across plate current meter terminals.

REASON:

To prevent meter damage due to RF voltage

REQUESTED BY

R. Stan Lard

AUTHORIZED

[Signature]

ENGINEERING

R. Stan Lard

NOTE:

1. ORIGINATOR NAME: _____ 2. EXT. NO.: _____ 3. ORGANIZATION NUMBER: _____ 4. DIVISION: _____ 5. DATE: _____ 6. EI REFERENCE: _____ 7. EP/MO NUMBER: _____ 8. ECP/CN NO.: _____

9. RECOMMENDED MATERIAL DISPOSITION: NO EFFECT USE AS IS REWORK OTHER _____ 10. MODEL NUMBER: SR-2000 11. ORDER/CONTRACT NO.: N/A 12. CHARGE COST TO: _____ 13. PAGES: 2 OF 2

14. NEW SAMPLE APPROVAL REQUIRED: YES NO 15. INTERCHANGEABILITY MAINTAINED: YES NO 16. RECOMMENDED EFFECTIVITY: AT ONCE

17. DOCUMENTS AFFECTED

18. PART NUMBER OF B/M TO BE REVISED	DELETE	ADD	ITEM LINE NUMBER	PAGE NO.	B/M REFERENCE NO.			OWG. SIZE	PART NUMBER			DESCRIPTION	REF. REPAIR.	TOOLING	P.I. CODE		QUANTITY	UNIT/MEAS.	PUR. CODE		
					SERIES CODE	ASSY CODE	ITEM		PRE-FIX	BODY	SUP-FIX				1ST	2ND				PER ITEM	TOTAL

19. DRAWING NUMBER: D020-000-4134-Rev B
 20. ISSUE: C
 21. NEXT ASSEMBLY PART NUMBER: N/A
 22. ISSUE: N/A

23. DESCRIPTION OF CHANGE: IN NOTE 6 DELETE WITH 250 OHMS (20W) IN SERIES WITH WINDING

24. REASON FOR CHANGE: RESISTOR VALUE WILL BE SELECTED FOR PROPER STARTING IN PRODUCTION

25. ECP CLASSIFICATION: _____ 26. ANA BULLETIN NO. 445: _____

27. RELIABILITY REQMT.: CLASS 1 2A 2B APPLIES: YES NO 28. MAINTAINABILITY REQMT.: YES NO

29. REL/MAINT. REVIEW: YES NO

30. APPROVAL

ORIGINATOR REVIEW/DATE: _____	APPROVED EFFECTIVITY: 9-23-69
PROJECT ENG. DATE: _____	PROGRAM MGR. DATE: _____
UNIT SUPVR. DATE: _____	SECTION MGR. DATE: _____
DEPARTMENT MGR. DATE: _____	DIVISION MGR. DATE: _____

11 SEP 69

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ENGINEERING CHANGE PROPOSAL/CHANGE NOTICE



1. ORIGINATOR'S NAME: GORLEWSKI
 2. EXT. NO.: 294
 3. ORGANIZATION NUMBER: 3200
 4. DIVISION: MIL
 5. DATE: 11 SEP 69
 6. EI REFERENCE: N/A
 7. EP/MO NUMBER: 5600-8346
 8. ECP/CN NO.: 5287 01C
 9. RECOMMENDED MATERIAL DISPOSITION: SR-2000
 10. MODEL NUMBER: N/A
 11. ORDER/CONTRACT NO.: N/A
 12. CHARGE COST TO: _____
 13. PAGES: 3 OF 3

14. NEW SAMPLE APPROVAL: YES NO
 15. INTERCHANGEABILITY MAINTAINED: YES NO
 16. RECOMMENDED EFFECTIVITY: AT ONCE

7. DOCUMENTS AFFECTED

PUR. CODE	UNIT/MEAS.	QUANTITY	P.L. CODE	PART NUMBER		DESCRIPTION	P.L. CODE	UNIT/MEAS.
				PRE-FIX	BODY			
				047	002503 008	150-008800		
						CAPACITOR, FXD, CER 82 PF, 5% N80		
				S	491 025820 042	71590 EDDT 62 L 820 J		
						CAPACITOR 82 MMF 5% N80		

19. DRAWING NUMBER: N/A
 20. ISSUE: N/A
 21. NEXT ASSEMBLY PART NUMBER: N/A
 22. ISSUE: N/A

23. DESCRIPTION OF CHANGE: N/A

24. REASON FOR CHANGE: FURNITURE CONSTRUCTION NO LONGER AVAILABLE IN THESE VALUES

25. REASON FOR CHANGE: FURNITURE CONSTRUCTION NO LONGER AVAILABLE IN THESE VALUES

26. COMPLETED DATA MANAGEMENT: YES NO
 27. TECHNICAL SPECIFICATION: YES NO
 28. RELIABILITY RECORD: YES NO
 29. RELEVANT ITEMS: YES NO

30. APPROVAL: APPROVED EFFECTIVITY: 10-7-69

ORIGINATOR REVIEW/DATE: _____
 UNIT SUPERV. DATE: _____
 PROGRAM MGR. DATE: _____
 SECTION MGR. DATE: 9-12-69
 DEPARTMENT MGR. DATE: _____

DIVISION MGR. DATE: _____

ERRATA
FOR
INSTRUCTION MANUAL
COMMUNICATIONS TRANSCEIVER
MODEL SR-2000

Change Notice - The following pages are affected: Pages 42, 44, Figure 22 (Schematic Diagram) and reverse side of Figure 22.

1. Bracket, Meter Mounting - Change part no. from 067-013055 to 067-015202.
2. M302 - Change part no. from 082-000685 to 082-000880.
3. M301 - Change part no. from 082-000684 to 082-000881.
4. R321 - Change value from 8200 ohm to 12,000 ohm and part no. from 451-252822 to 451-252123.
5. C121 - Change part no. from 491-025470-031 to 047-002503-007.
6. C123, 124 - Change part no. from 491-005390-051 to 047-002503-005.
7. C126 - Change part no. from 491-005150-022 to 491-005050-022.
8. C128 - Change part no. from 491-025820-042 to 047-002503-008.
9. R6, 29, ⁷⁷~~77~~, 115 - Change value from 33 k ohm to 22 k ohm and part no. from 451-252333 to 451-252223.
10. CR13 - Change Varicap, type V100 to diode, type 1N3182 and part no. 048-000464 to 019-003316.
11. R61 - Change (schematic symbol) to **R61.
- At end of resistor listing, add: **Factory selected part; subject to change.