

NAVSHIPS 0967-191-7012
PERMANENT CHANGE NO. 1

TO
TECHNICAL MANUAL
FOR
RADIO TRANSMITTING SET AN/URT-23 (V)
(NAVSHIPS 0967-191-7010)

1.0 GENERAL

1.1 The total number of pages in this change package is 49.

1.2 This change is in effect upon receipt and supersedes the basic publication and temporary change no. 1 for the pages affected for all AN/URT-23(V) equipments in the field.

1.3 The purpose of this change is to correct typographical and other errors which occurred during printing, and to incorporate equipment production changes which have occurred since publication. Make pen-and-ink corrections and insert change pages as instructed below, then insert the instruction portion of this change package in the front of the Technical Manual for future reference.

1.4 PEN-AND-INK CORRECTIONS

1.5 Paragraph 2 lists pen-and-ink corrections to be made in the basic manual. The purpose of making pen-and-ink corrections is to avoid the unnecessary handling of replacement pages that have minor changes or corrections. Mark each page according to the instructions given. All page, paragraph, line, figure and table numbers specified in the pen-and-ink corrections refer to those in the existing manual. When pen-and-ink corrections are made to a page, cross out the word "ORIGINAL" and write "CHANGE 1" on the bottom of the page.

1.6 CHANGE PAGES

1.7 Change pages are supplied as part of this change package. Remove the change pages from this package and insert each in the manual in place of the original page, then dispose of the original pages.

1.8 Supplementary parts list table 6-2A is also supplied in the form of new pages for the manual. Insert the new supplementary table at the beginning of Section 6.

2.0 PEN-AND-INK CORRECTIONS

2.1 Page x, List of Tables: Add table "1-4. Factory Changes" page "1-17".

- 2.2 Page 1-1, last line, after NAVSHIPS 0967-032-0010: Add "or NAVSHIPS 0967-200-3010,".
- 2.3 Page 1-2, paragraph 1-11: Delete sentences 4 and 5, starting with "The chassis can also be----".
- 2.4 Page 1-5, in table of step k: Add DIODE "JAN1N975B" QTY "1", change QTY for JAN1N277M from "23" to "24", change QTY for JAN1N914 from "16" to "17", and change total QTY of diodes from "78" to "81".
- 2.5 Page 1-6, paragraph 1-29: Delete "No factory changes" and in its place add "Table 1-4 provides a list of factory changes that"--.
- 2.6 Page 1-10, Table 1-1: In QTY PER CONFIGURATION Column, add ⑦ for all four configurations; in NAME Column, add "Jumper 1A1P1"; in DESIGNATION Column, add "391-4000 ⑥".
- 2.7 Page 1-16, paragraph 1-31, last line, after NAVSHIPS 0967-032-0010: Add "or NAVSHIPS 0967-200-3010,".
- 2.8 Page 2-3/2-4, figure 2-1:
- 2.8.1 In note 3, change "120 CFM" to "140 CFM" in two places.
- 2.8.2 In note 8, add at beginning ahead of Amplifier "when the PP-3916/UR is not in the stack,".
- 2.8.3 In Rear View, change vertical dimension "30.024 ± .080 REF" to "31.024 ± .090 REF".
- 2.8.4 In Rear View, delete "SEE NOTE 2" from callout PP-3916/UR optional unit.
- 2.8.5 In Side View, change SEE NOTE "9" to SEE NOTE "8".
- 2.9 Page 2-9, table 2-1, for equipment PP-3916/UR: Change "2A1P1" to "2A2P2" and change "2A1P2" to "2A2P1".
- 2.10 Page 2-9, paragraph 2-20f: Change "2A1TB1" to "2A2TB1".
- 2.11 Page 2-10, paragraph 2-21, fourth line: Change "120 CFM" to "140 CFM".
- 2.12 Page 2-13, table 2-3:
- 2.12.1 For 7th wire from top (labeled SHLD GRD R,S,U, in remarks column) change To Connector pin from "I" to "i".

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- 2.12.2 For 8th wire from bottom (labeled TTY(-) in remarks column) change To Connector pin from "j" to "t".
- 2.13 Page 2-14, table 2-4, in REMARKS column: Delete plus sign "(+)" from in front of the two entries 24V SWITCHED and 24V HOT.
- 2.14 Page 2-19/2-20, figure 2-4, Note 4, second sentence: Change "Cable W3" to "Cable W5".
- 2.15 Page 2-22, paragraph 2-34d, after R11: Add ", PWR control R13,".
- 2.16 Page 2-21, paragraph 2-32, step a: Change dash number on connector listed in sub-step (4) from "-6P" to "-5P".
- 2.17 Page 2-27, paragraph 2-35: Delete step a.
- 2.18 Page 2-27, paragraph 2-35: Change step m to read ---by performing steps "ar through bt of paragraph 2-34".
- 2.19 Page 2-30, figure 2-7, add the following reference designations: "K1" to the undesignated relay coil above relay coil K2 and "S2" to the EXCITER NO. 1 - EXCITER NO. 2 switch.
- 2.20 Page 3-1, paragraph 3-7, last sentence: Change --indicator is "tuned" on to --indicator is "turned" on.
- 2.21 Page 3-15, step 3-31e: Change "320_±30 VDC" to "290_±50 VDC".
- 2.22 Page 3-15, step 3-31f: Change "500_±50 VDC" to "500_±75 VDC".
- 2.23 Page 3-15, Caution at bottom of page: Change "(above 330 MA)" to "(above 330 MA with no RF signal)".
- 2.24 Page 3-16, paragraph 3-33, second line: Change "NA/URA-38" to "AN/URA-38".
- 2.25 Page 3-18, step 3-36e: Change "RIGHT" to "LEFT".
- 2.26 Page 3-18, steps 3-36f and 3-36i: Change "LEFT" to "RIGHT".
- 2.27 Page 3-21, paragraph 3-48, last sentence, after NAVSHIPS 0967-032-0020: Add "or NAVSHIPS 0967-200-3020".
- 2.28 Page 3-23/3-24, table 3-5, Symptom "No driver or PA plate current (system will not key)": Change in PROBABLE FAULT 1. "1A2J8" to "1A2AJ8".

- 2.29 Page 4-4, paragraph 4-22, third line from bottom after NAVSHIPS 0967-032-0010: Add "or NAVSHIPS 0967-200-3010".
- 2.30 Page 4-9, figure 4-3, in the lower left corner: Change screen supply ("300" VDC) to screen supply ("287" VDC).
- 2.31 Page 4-12, figure 4-4:
- 2.31.1 In center of illustration change screen supply ("280" to 320 VDC) to screen supply ("287" to 320 VDC).
- 2.31.2 Add note 6 "Capacitor C49 not used in units with serial numbers greater than A170".
- 2.32 Page 4-17/4-18, paragraph 4-55, third from last line: Change --"drived"-- to --"derived"--.
- 2.33 Page 4-19/4-20, figure 4-7:
- 2.33.1 On left side of illustration add "diode 1A1A3CR6" with anode connected to the junction of 1A1A3CR5 and 1A1A3R5 at top of page and cathode connected to ungrounded terminal of TUNE KEY switch 1A1S3 at bottom of page.
- 2.33.2 On right side of illustration add "Zener diode CR27" in lead from Q19 to CLASS B DRIVE TO BIAS CIRCUIT output with anode toward output and cathode toward junction of Q19 collector and CR7.
- 2.33.3 In transistor stage Q19, delete R20 and show R18 connected directly to the base (not emitter). Connect emitter to 11 VDC through diode "CR29" (cathode towards emitter, anode towards 11 VDC). Add "Note 2" after Q19 SWITCH.
- 2.33.4 Add Note "2. R20 is deleted, R18 is changed, and CR29 is added on all units except serial numbers A5 through A71 (see figure 5-23)."
- 2.33.5 On transistor Q11, reverse the direction of the emitter arrow.
- 2.33.6 Near top of illustration, place a dot on the crossover of the line from CR22 cathode to P1 pin r and the line from R44 to the junction of R16 and R17, to indicate that these two lines are connected.
- 2.34 Page 4-21, paragraph 4-60, tenth line from top of paragraph, after ----for class B operation: Add "Diode CR29 provides temperature compensation for switch Q19. Zener diode CR27 reduces the maximum voltage seen at the collector of switch Q16, limiting the collector dissipation."
- 2.35 Page 4-21, paragraph 4-60, third line from bottom of paragraph: Change ----"(forward biased) and PPC generated"---- to ----"(forward biased), the PPC voltage that is generated"----.
- 2.36 Page 4-23, paragraph 4-68, fifth line from top: Change ----PPC amplifier "1A1AQ6"---- to ----PPC amplifier "1A1A6Q3"----.
- 2.37 Page 4-24, figure 4-8:

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- 2.37.1 On RESET switch in center of diagram, change pin "2" to "3" and pin "3" to pin "2".
- 2.37.2 On bottom of illustration, the output from Q8 emitter, change 1A1J4 pin callout from "C" to "c".
- 2.37.3 On left side, add "section 4 rear" to 1A1S7.
- 2.38 Page 4-27/4-28, figure 4-9:
- 2.38.1 On output from bridge rectifier in upper left corner, change connector 1A1J5 pin callout from "k" to "h".
- 2.38.2 Add "diode CR28" with anode connected to base and cathode to emitter of transistor Q20.
- 2.38.3 On left side of illustration, for KEY INTERLOCK input, change pin callout from "P" to "E".
- 2.38.4 In center of illustration, add callout "11 VDC" to resistor R11 termination.
- 2.38.5 Add "Capacitor C7" across zener diode CR3.
- 2.38.6 Add note 2 "Capacitor C7 not used in units with serial numbers A1 through A206".
- 2.39 Page 4-29, second line from top of page, at end of sentence: Add "Diode CR28 protects switch Q20 against excessive reverse base-emitter voltage."
- 2.40 Page 4-29, paragraph 4-75, last line, after (NAVSHIPS 0967-032-0010: Add "or NAVSHIPS 0967-200-3010).".
- 2.41 Page 4-30, paragraph 4-80, third line, at the end of the second sentence for the paragraph: Add "Capacitor C3 is an RF bypass."
- 2.42 Page 4-31, figure 4-10:
- 2.42.1 Change reference designator for OVERLOAD indicator from "DS4" to "DS5".
- 2.42.2 Redraw ALARM switch S6, to show switch wiper hinged at contact 5 (instead of 4) and making contact with contact 6.
- 2.42.3 At point where wire from XC30-6 to S6 pin 4 crosses wire from J4 pin M to OVERLOAD indicator, add a "dot", to indicate a junction at this point.
- 2.43 Page 4-32, paragraph 4-80, fifth line from top of page: Change "or" to "on".
- 2.44 Page 4-33/4-34, figure 4-11:

2.44.1 In both view A and view B, show the ground connection to pin 20 of switch section S7A front extended to make contact for all positions of the switch.

2.44.2 In view B, add an "arrow head" to A4S1C front contact 7.

2.45 Page 4-39/4-40, figure 4-13:

2.45.1 The junctions of the wires from pins 32 and 33 of 1A1J3 to transformer 1A1T1 with the wires from PRIMARY POWER switch 1A1S4 to 1A1TB1-11 and 12 are reversed. At the point where these four wires cross, delete the existing dots representing junction points, and draw in new dots showing the wire from 1A1J3-33 to transformer 1A1T1 connected to the wire from 1A1S4-1 to 1A1TB1-12; and showing the wire from 1A1J3-32 to 1A1T1 connected to the wire from 1A1S4-2 to 1A1TB1-11.

2.45.2 At connector 1A1J3 pins 33 and 32, change mating plug callout from "1A1P2" to "1A1P3".

2.45.3 On right edge of illustration, change output for pins M and L from --"T-827/URT" to --"AN/URT-38", and change output for pins S and R from --"AN/URA-38" to --"T-827/URT".

2.45.4 On legend in lower left corner of illustration, change the double dotted line to read connections used when operating with Power Supply "PP-3917/UR".

2.46 Page 4-41, paragraph 4-96, third line from bottom: Change "1A2A1J6" to "1A2A1J7" and "1A2A1J7" to "1A2A1J6".

2.47 Page 4-41, paragraph 4-97, fourth line from bottom: Change "1A2A1J6" to "1A2A1J7" and "1A2A1J7" to "1A2A1J6".

2.48 Page 4-43/4-44, figure 4-14:

2.48.1 In upper left corner of illustration, change plug connected to 1A1TB2-2 from "1A1A8P1" to "1A1A8P2".

2.48.2 Change reference designator for STANDBY indicator from "1A1D52" to "1A1DS2".

2.48.3 Change reference designator for time elapsed meter from "1A1B2" to "1A1B3".

2.48.4 On P/O 1A1TB2 in center of illustration, add callout "P/O 1A1P5" for jumper between pins 10 and 7; and correct callouts for double dotted jumpers connecting to pins 7 and 8 to read "P/O 1A1A8P2".

2.48.5 Upper left corner of illustration, at junction of 1A1TB2 pin 11 and P/O 1A1P5, there should be an arrowhead on both ends of P/O 1A1P5.

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2.49 Page 4-47/4-48, figure 4-15:

2.49.1 Change callout for capacitor in upper left corner from "1A1B1" to "1A1C1".

2.49.2 Change callout for OPERATE indicator from "1A1D53" to "1A1DS3".

2.49.3 On left side of illustration, for 20 VDC OPERATE input, change callout for connector mating with 1A1J3 from "1AZP3" to "1A2P3".

2.49.4 On lower center of illustration in the terminal board labeled P/O 2A2TB1, change pin "21" to "19" and pin "19" to "21".

2.49.5 Add reference designator "1A1DS2" to STANDBY indicator.

2.49.6 Add note "Capacitor C49 not used in units with serial numbers greater than A170".

2.50 Page 4-51, figure 4-17: Delete wire from Q12 collector to P1-h, and draw in a connection from Q12 collector to junction of R26 and R27; Change "R26" to "R26,R36".

2.51 Page 4-51, paragraph 4-118, third line from top: Change ----"R27,CR30"---- to ----"R27,R36,CR30"----.

2.52 Page 4-52, paragraph 4-122, fifth line from top: Change --"diode CR1 to the center" to --"diode CR1 and capacitor C1, putting about +37 volts on the center"---.

2.53 Page 4-53, paragraph 4-125, line 2: Change --"6 and 7"-- to --"6 and 8"--.

2.54 Page 4-53, paragraph 4-125, line 4: Change --"6 and 8"-- to --"6 and 7"--.

2.55 Page 4-54, figure 4-19: Show the junction of R3 and R4 as connected to the ground line at the point of intersection and change two output designations from "2A2TB2-" to "2A1TB1-".

2.56 Page 4-55, paragraph 4-134, at end of paragraph add following sentence: "Resistors A1R1 and A1R2 serve as a bleeder resistor."

2.57 Page 4-55, paragraph 4-135, last line: Change "amplifying" to "minimizing" then add following sentence at end of paragraph. "Resistors A1R3 through A1R7 serve as a bleeder resistor."

2.58 Page 4-56, figure 4-20:

2.58.1 Where transformer secondaries connect to terminal board, change terminal board callouts in three places from "P/O 2A2TB2" to "P/O 2A1TB1".

2.58.2 On diode stacks CR1, CR2, and CR3, change pin "1" to "3" and "3" to "1".

2.58.3 On 500 VDC output, change fuse callout from "F1" to "F2".

2.58.4 Change 2AlTBl terminals "4,2,3" to "1,2,3".

2.59 / Page 4-60, table 4-2: Add second probable fault to symptom Can't key system from T-827/URT: "FREQUENCY MC switch 1AlS7 not at AUTO".

2.60 Page 4-61/4-62, figure 4-22:

2.60.1 In note 5, change "AN/ISM-116" to "AN/USM-116".

2.60.2 In upper left corner of illustration, shorten the line called out as "5 wire code" so that it extends from encoding switch S7-1 to decoding switch A4S1C. (Circuit from A4S1C to Gate A5CR1 is not part of 5 wire code.)

2.60.3 Label block on extreme right of illustration "ANTENNA CHANGE-OVER RELAY".

2.60.4 In VSWR BRIDGE block A3, add to APC-PPC OUTPUT callout for E2, "J5-p".

2.61 Page 4-63/4-64, figure 4-23:

2.61.1 On input line to base of switch Q17 change connector pin callout from "P/O 1AlJ5-5" to "P/O 1AlJ5-S".

2.61.2 On line from key switch just below switch Q17, change callout "A3-7" to "A3E7".

2.62 Page 4-65/4-66, figure 4-24:

2.62.1 Change note 11 to read "Equipment in operate: key up, and/or key interlock present, -0.1 VDC; key down, +4.5 VDC".

2.62.2 On extreme left side of illustration, change callout "TBl" to "T1".

2.62.3 In output from Bridge Rectifier CR14-17 labeled Stabilization Voltage to APC circuit change "4-25" to "4-23".

2.62.4 On ALARM DISABLE switch S6 eliminate the extra contact shown for contact 5, and show the line to DS1 connected to contact 5 of S6.

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2.62.5 On extreme right edge of illustration, for the callout labeled -30 VDC to T-827/URT change connector pin callout for P/O 1A2A1J7 from "N" to "V".

2.62.6 On lower right corner of illustration on the line from 28V SWITCH Q8-Q9, change connector pin callout for P/O J4 from "C" to "c".

2.62.7 On left side of illustration, in the line under 115 VAC to TB2-9, 10, change "SEE FIG. 4/25,4-26)" to "(SEE FIG. 4-25)".

2.62.8 In callout from base of PPC amplifier Q3, change "SEE R34-23)" to "(SEE FIG. 4-23)".

2.63 Page 4-67/4-68, figure 4-25:

2.63.1 Top of diagram, left center lines for 24 VAC HOT and 24 VAC SWITCHED are reversed. Show "24 VAC HOT" line from A2J1-J connected to A2T2 pin 29 (instead of A1T1-16), and show "24 VAC SWITCHED" from A2J1-H connected to A1T1-16 (instead of A2T2 pin 29).

2.63.2 In center of illustration, for test point N, change pin number in T1 from "1" to "9".

2.63.3 In lower right section of illustration, pin callouts for 115 VAC outputs are reversed. Starting just after fuse F5, change P/O J3 pin "42" to "43" and "43" to "42". On 115 VAC to T-827/URT callout, change pin "R" to "S" and "S" to "R". On 115 VAC to C-3698/URA-38 callout, change pin "M" to "L" and "L" to "M".

2.63.4 In lower right section of illustration, change time delay relay pin callouts "5,7,6,4,1" to "5", and label opposite side of relay contacts "7,6,4,1".

2.63.5 On meter resistor board 1A1A7 input and output callouts are reversed. Change input callout "E2" to "E4" and output callout "E4" to "E2".

2.63.6 For test points R, change "Note 3" to "Notes 3,4" in two places.

2.64 Page 4-69/4-70, figure 4-26:

2.64.1 Callouts for meter resistor board input and output are reversed. Change callout "E2" to "E4" and callout "E4" to "E2".

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- 2.64.2 In lower right corner of illustration, pin callouts for 115 VAC outputs are reversed. Starting just after fuse F5, change P/O J3 pin "42" to "43" and "43" to "42". On 115 VAC to T-827/URT callout, change pin "R" to "S" and "S" to "R". On 115 VAC to C-3698/URA-38 callout, change pin "M" to "L" and "L" to "M".
- 2.65 Page 5-1, paragraph 5-2, last sentence, after NAVSHIPS 0967-032-0010: Add "or NAVSHIPS 0967-200-3010,".
- 2.66 Page 5-2, paragraph 5-6g: Change voltage tolerance from "+50" to "+60".
- 2.67 Page 5-2, paragraph 5-6h: Change voltage tolerance from "+30" to "+60".
- 2.68 Page 5-2, paragraph 5-6l, second line: Change "300" to "320".
- 2.69 Page 5-3, paragraph 5-8f: Change voltage tolerance from "+30" to "+60".
- 2.70 Page 5-4, paragraph 5-9, title: Delete the word "REFLECTED".
- 2.71 Page 5-4, paragraph 5-10, second line, and paragraph 5-12, first line: Delete the word "reflected".
- 2.72 Page 5-10: Change paragraph 5-20, step 1 (1) to read "Set AM-3924(P)/URT FREQUENCY MC switch to higher of two bands to be aligned according to table 5-1 (i.e., 2.5 to 3.0 MC or 3.5 to 4.0 MC)."
- 2.73 Page 5-11: Change paragraph 5-20, step 1 (7) to read "Set AM-3924(P)/URT FREQUENCY MC switch to lower band (i.e., 2.0 to 2.5 MC or 3.0 to 3.5 MC)."
- 2.74 Page 5-11: Change paragraph 5-20, step m (1) to read "Set AM-3924(P)/URT FREQUENCY MC switch at band to be aligned."
- 2.75 Page 5-12, paragraph 5-23, last line, after NAVSHIPS 0967-032-0010: Add "or NAVSHIPS 0967-200-3010".
- 2.76 Page 5-12, last line: Change "pockets" to "sockets".
- 2.77 Page 5-22, step 5-38s: Delete "Drill a 0.063 hole in motor shaft and" portion of step (hole is already drilled in shaft).
- 2.78 Page 5-29, paragraph 5-42t: After first sentence add "(Refer to figure 5-11 views to avoid placing pin 180° out of position.)".

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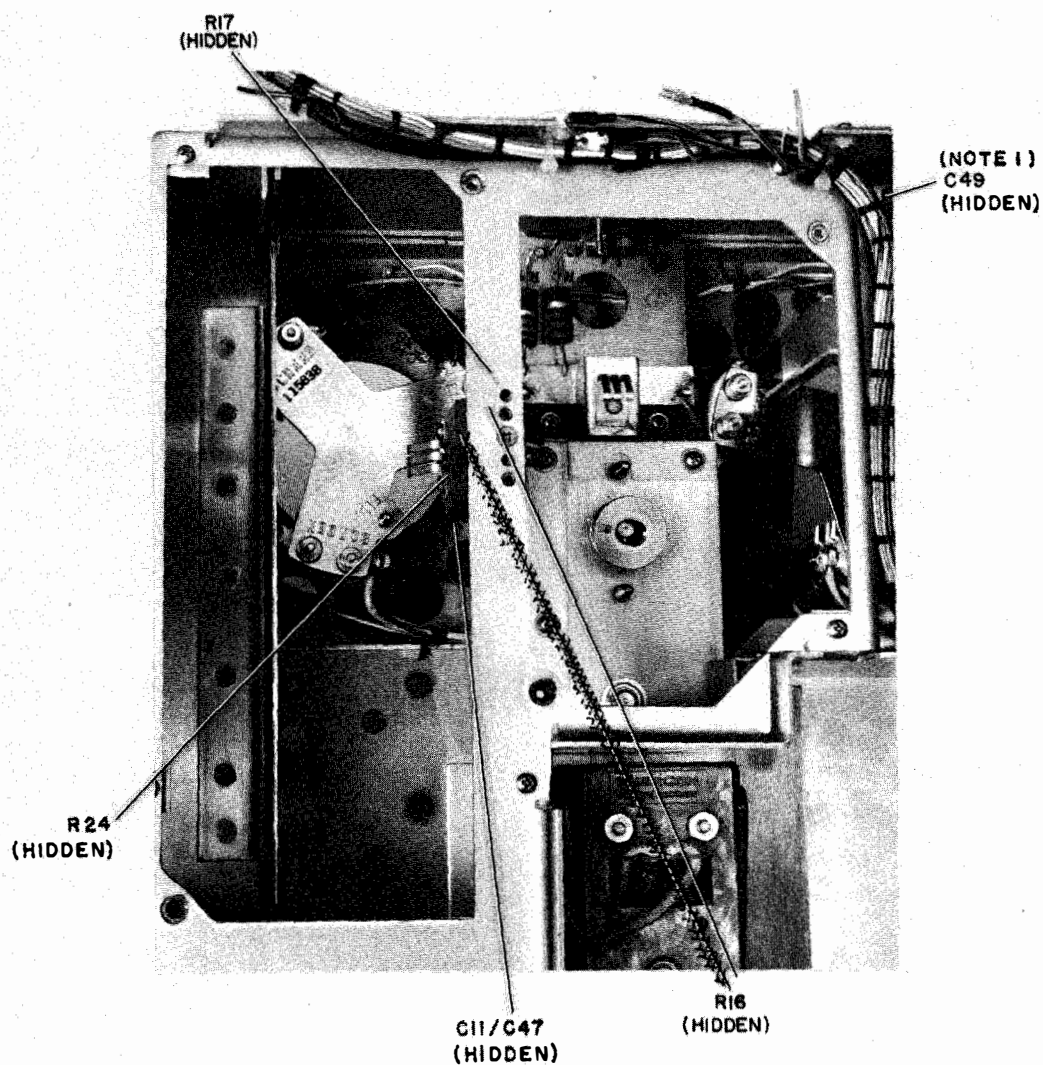
2.79 Page 5-29, paragraph 5-42v: Change drill size from "50" to "52".

2.80 Page 5-33, table 5-2:

2.80.1 For OPERATE voltage on terminal 8, change "-83" to "-98".

2.80.2 For KEYED, NO SIGNAL voltage on terminal 8, change "-2.7" to "-7.6".

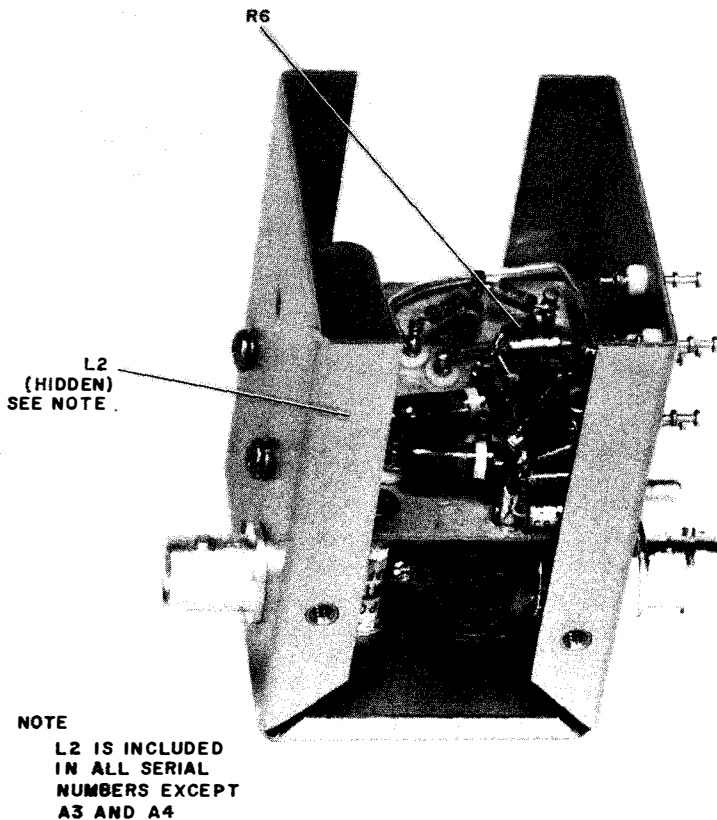
2.81 Page 5-42, figure 5-9: Add callouts as shown on following illustration.



Add:

"NOTE 1: Not used in units with serial numbers greater than A170."

2.82 Page 5-49, figure 5-12: Add callouts as shown on following illustration.



REF DESIG PREFIX 1A1A3

2.83 Page 5-59/5-60, figure 5-22, on bottom of illustration:
Change transformer callout from "1A1A8TA" to "1A1A8T2".

2.84 Page 5-65/5-66, figure 5-24: Change capacitor values and
add new capacitor C69 as follows:

2.84.1 Change C28 from "1000" to "820 NOTE 6".

2.84.2 CHANGE C29 from "360" to "330".

2.84.3 Change C38 from "100" to "75 NOTE 7".

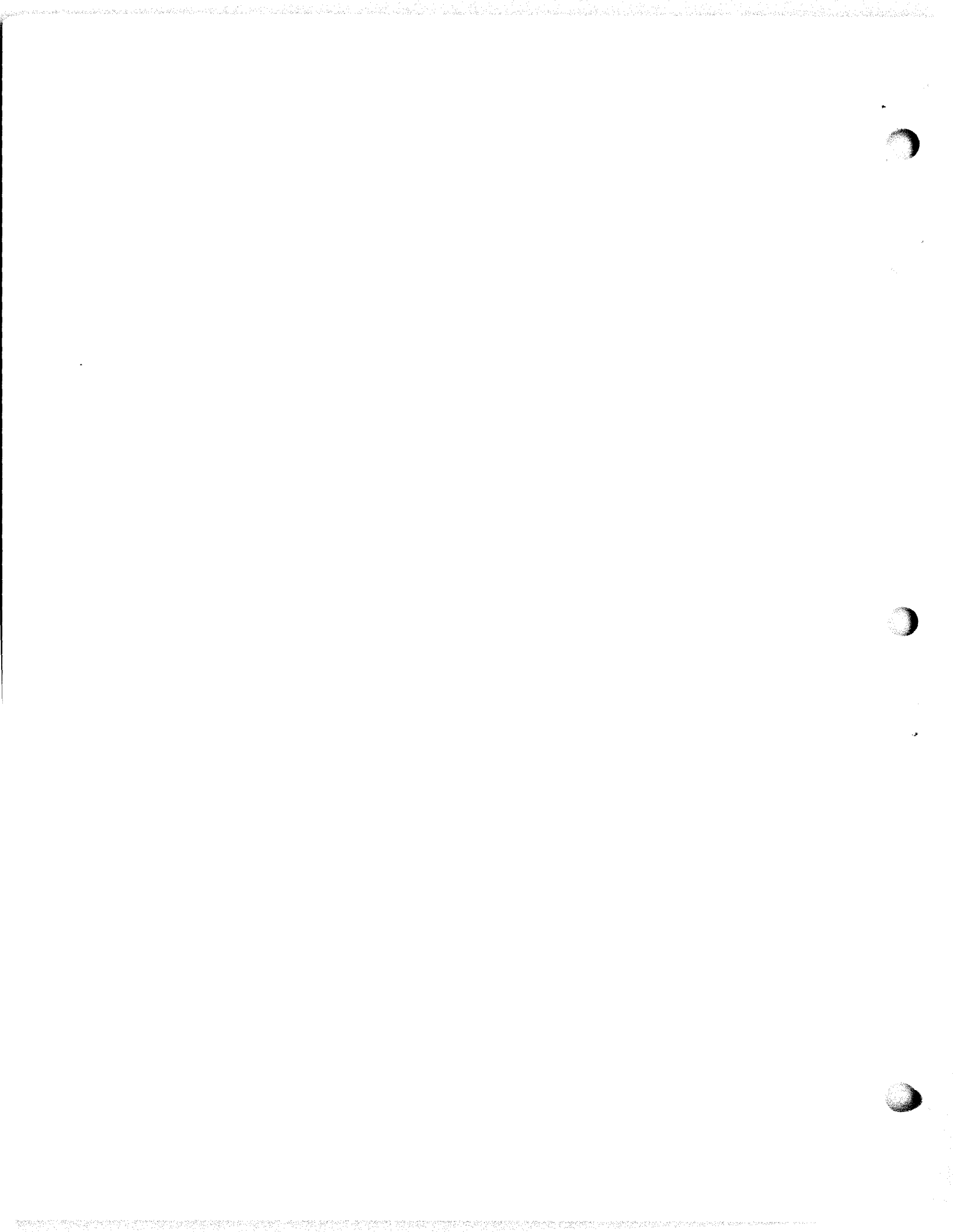
2.84.4 Change C39 and C40 from "100" to "150 NOTE 7".

2.84.5 Change C44 from "150" to "180".

2.84.6 Change C48 from "110" to "150".

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- 2.85.7 Change C50 and C51 from "100" to "110".
- 2.84.8 Change C52 from "100" to "150".
- 2.84.9 Change C57 from "300" to "220".
- 2.84.10 Change C68 from "220" to "200".
- 2.84.11 Delete C41.
- 2.84.12 Add C69, 220 PF, in parallel with C57.
- 2.84.13 Add Note "6. Value shown for C28 is for all units except serial numbers A3 through A145 in which it is 1000 PF."
- 2.84.14 Add Note "7. Values shown for C38 and C39 is for all units except serial numbers A5,A6,A8,A9,A10,A13 in which they are 100 PF."
- 2.85 Page 5-69/5-70, figure 5-26: Change "T1" in callouts for pins 32 and 33 of connector P3 and pins D and E of J1 to "T2".
- 2.86 Page 5-71/5-72, figure 5-27, in enclosed area labeled A1: Change the value of resistors R1 and R3 from "10" to "56".
- 2.87 Page 5-73/5-74, figure 5-28: Change "T1" in callouts for pins D and E of connector 2A2J1 to "T2".
- 2.88 Page 6-3, table 6-1: For unit no. 1 change page number called out from "6-4" to "6-3".
- 2.89 Page 6-9, table 6-2: For 1A1P1, delete note 5.



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2.14 Page S1-3, table 6-2A, Supplementary Parts List (supplied as part of Permanent Change No. 1) at bottom of page, change cross reference listing for 1A1A6C7 from "1A3C3" to "1A1A3C3".

2.15 Page 6-2, paragraph 6-13, add the following notes:

"Notes 7 through 14 listed on Supplementary Parts List page S1-4".
(supplied as part of Permanent Change No. 1)

"NOTE 15. Use corrected listing for replacement part. See table 1-4."

2.16 Page 6-5, table 6-2, Maintenance Parts List (Cont): at bottom of page, change part number for 1A1F1 from "F60-6A" to "F60C500V6AS".

2.17 Page 6-6, table 6-2, Maintenance Parts List (Cont): at top of page, change part number for 1A1F4 from "F02A-1A" to "F02A250V1AS", part number for 1A1F5 from "F02A-3A" to "F02A250V3AS", and part number for 1A1F7 from "F02A-1.5A" to "F02A250V1-1/2AS".

2.18 Page 6-25, table 6-2, Maintenance Parts List (Cont): in middle of page, for item 1A1A6Q17, change listing in NAME AND DESCRIPTION column from "SAME AS 1A1A5Q6" to read "TRANSISTOR: MIL type 2N2906A". Then opposite 1A1A6Q17, enter "15" in NOTES column.

2.19 Page 6-30, table 6-2, Maintenance Parts List (Cont): under listing for Power Supply PP-3917/UR, change part number for 1A1A8CR1 from "D22-5002-000" to "8948-4015". Then opposite 1A1A8CR1 in NOTES column, enter "15".

NOTE

Part numbers for 1A1A8CR2, 2A1CR2 and
2A1CR3, listed as "SAME AS 1A1A8CR1"
also change to 8948-4015.

2.20 Page 6-32, table 6-2, Maintenance Parts List (Cont): in middle of page, change part number for 2A1F1 from "F02B-5A" to "F03A250V-8AS". Then opposite 2A1F1 in NOTES column, enter "15".

