

2-11-70

CANNON ELECTRONICS D525-SR5 PROPORTIONAL RECEIVER

CR1 & CR5 THRU
CR9 MAY BE HALF-
SIZE DIODE F3N601
OR DHD 805

SCRAPE
INSULATION
FROM BASE
LEADS ON L1
& L2, PASS
THRU HOLES,
AND SOLDER
TO BOARD.
TWO FRONT
LEADS ON L1
ARE FOR
ATTACHMENT
ONLY.

MOUNT ALL
DIODES WITH
BANDS UP.

BARE WIRE
JUMPER
(ON TOP
OF BOARD)

BLK (FROM
BATT.) BLK
(TO SERVO
PLUGS)

8"
or 9"
LEADS

16" OR 18"
WHITE WIRE:
FEED THRU
FROM POWER
PLUG TO
SERVO PLUGS
THRU RECEIVER
CASE SLOTS -

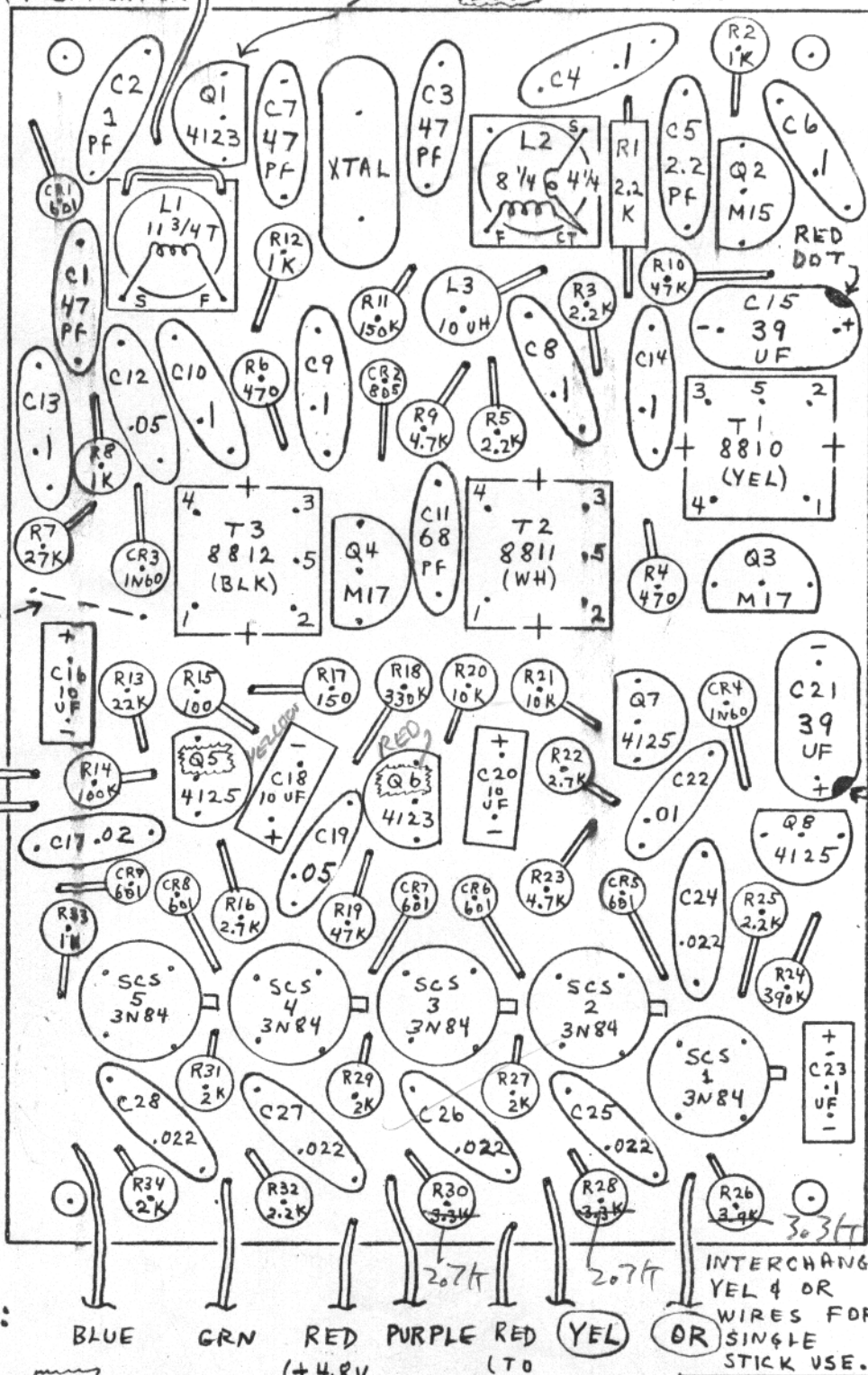
- OR - SOLDER WHITE WIRE ENDS FROM BATT AND SERVO CABLES
TOGETHER INSIDE RECEIVER. COVER JOINT WITH SHRINK TUBING.

SEE OTHER
SHEET FOR
6 METER
COIL
INSTALLATION

36" ANTENNA
(GRAY)

BLUE
DOT

* SHOULD OSCILLATIONS
OCCUR IN I.F. SECTION,
INCREASE VALUE OF R2
UNTIL IT STABILIZES.



6 METER
VALUES

- C1-15PF
- C3-15PF
- C5-1PF
- C7-5PF
- R2-2.2K
- L1-3 1/2-5 1/4
- L2-3 1/4 T
- 6 1/4 T

XTALS

TX RX

- 53.1 - 52.645
- 53.2 - 52.745
- 53.3 - 52.845
- 53.4 - 52.945
- 53.5 - 53.045

27 MHZ

XTALS

TX RX

- 26.995 - 26.540
- 27.045 - 26.590
- 27.095 - 26.640
- 27.145 - 26.690
- 27.195 - 26.740

RED
DOT

ONE LEAD
ON EACH
SCS GOES
THRU BOARD
AND IS CUT
OFF (NOT USED)

SAME APPLIES
TO EACH
I.F. CAN

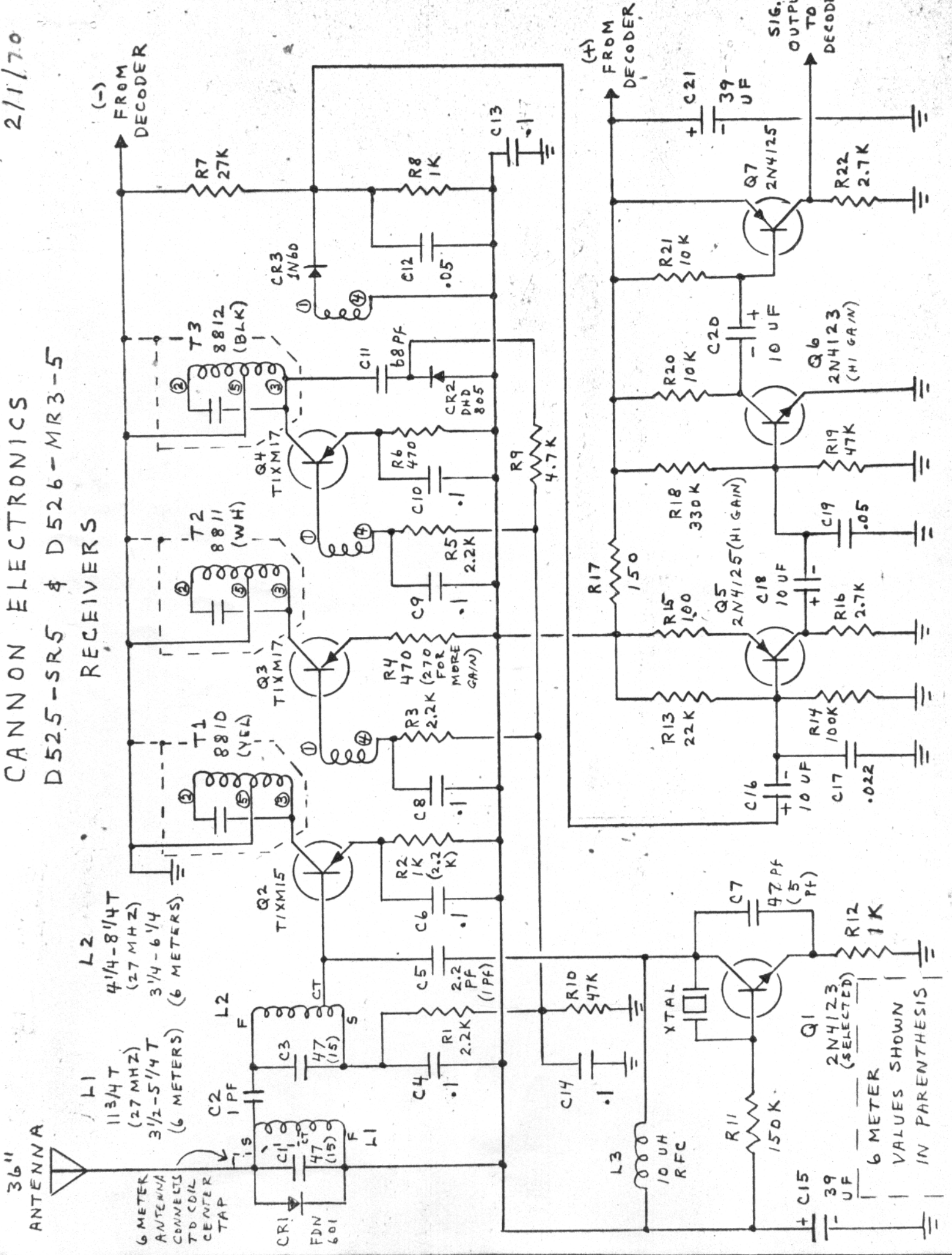
CUT TABS
OFF 3N84'S
PRIOR TO
INSTALLATION

MAKE UP SERVO AND
POWER CABLES, THEN
ATTACH WIRES TO RX

INTERCHANGE
YEL & OR
WIRES FOR
SINGLE
STICK USE.

2/1/70

CANNON ELECTRONICS D525-SR5 & D526-MR3-5 RECEIVERS



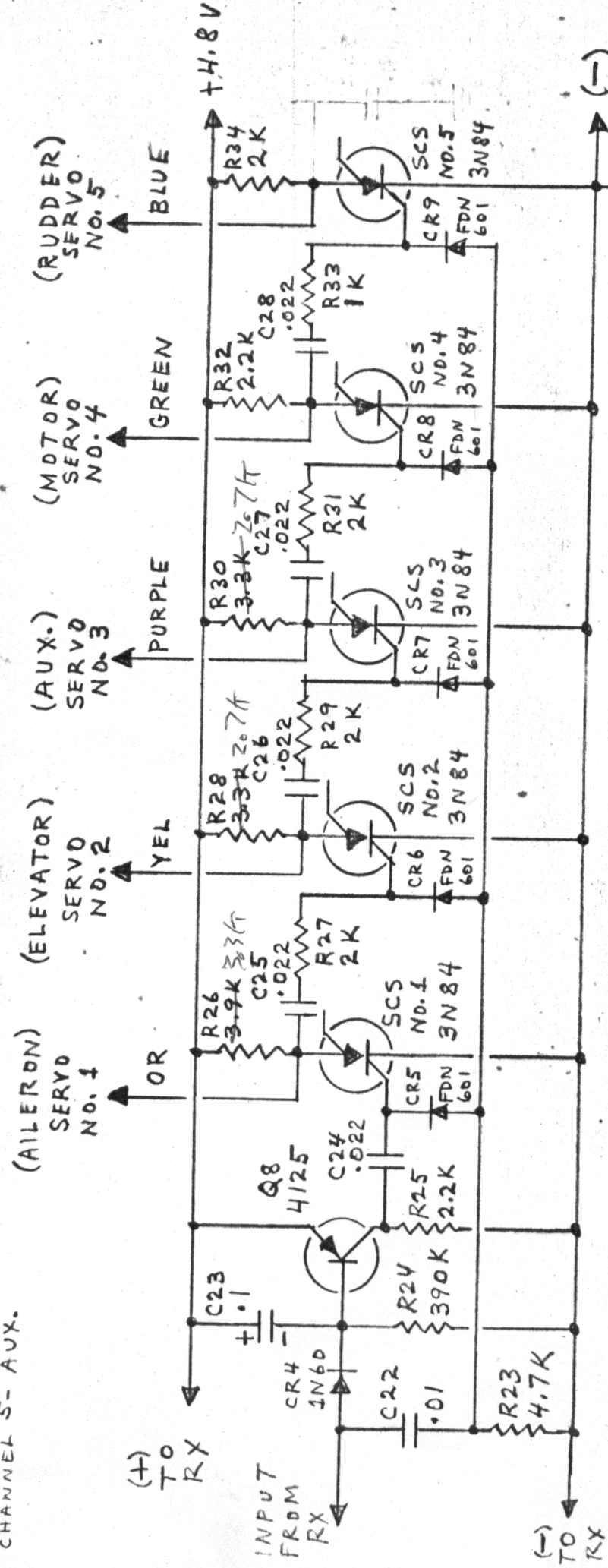
6 METER
VALUES SHOWN
IN PARENTHESIS

1/15/70

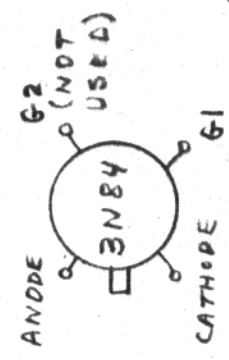
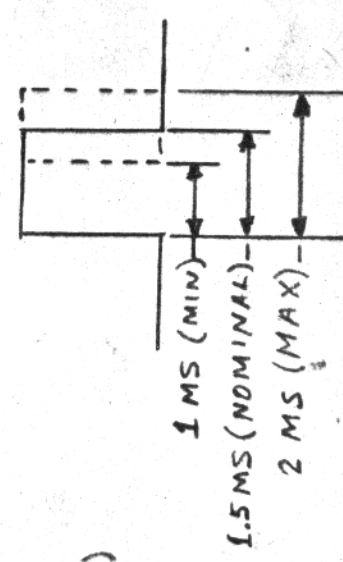
CANNON ELECTRONICS D525-SR5, & D526-MR3-5 DECODER SECTION

CRS THRU CR9 MAY
BE HALF-SIZE DIODE
FDN601, OR DHD805

- ON SINGLE STICK TX:
- CHANNEL 1 - MOTOR
- CHANNEL 2 - AILERON
- CHANNEL 3 - ELEVATOR
- CHANNEL 4 - RUDDER
- CHANNEL 5 - AUX.



ALL CHANNEL OUTPUTS



THIS PORTION
OMITTED ON
3 CHANNEL

R30 IS 2 K
ON 3 CHANNEL

NOTE

.02 OR .022
CAPACITORS MAY
BE FURNISHED

1/15/70

MAIN PLUG & CABLE ASSY FOR 525-SRS & 526-MRS RECEIVERS

1. SOLDER WIRES TO PLUG BLOCK.
2. INSTALL SHRINK TUBING AT BLOCK.
3. SOLDER WIRES TO AILERON PLUG.

4. INSTALL SHRINK TUBING.

5. TWIST WIRES.

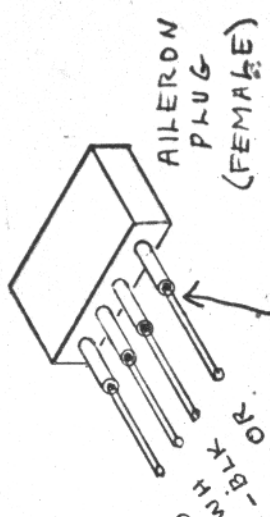
6. INSTALL 3/16" SHRINK TUBING AT 6" POSITION.

7. CUT WIRE ENDS TO LENGTHS SPECIFIED.

8. SOLDER WIRE ENDS TO RECEIVER BOARD

OR
SOLDER LONG LEAD INSIDE EACH PIN. SOLDER 5" RED, WH & BLK WIRES ON OUTSIDE OF THESE THREE PINS

9" WIRES



NOTE PLUG KEYING (WIDE SPACE)

14" LEAD

- RED - + 4.8V
- BLK - - 4.8V
- WH - BATT C.T.
- OTHER LEADS - SIGNAL INPUTS

TWIST WIRES

5" WIRES

OR
RED WH BLK

OR
RED WH BLK

OR
RED WH BLK

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RED WH BLK

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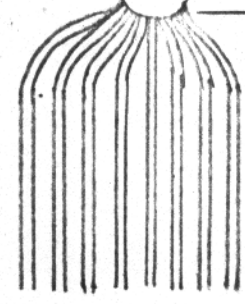
OR
RED WH BLK

OR
RED WH BLK

OR
RED WH BLK

- RED
- WH
- BLK
- YEL
- PURP.
- GRN
- BLU
- OR

CUT 1/4" LG BEFORE UNTWISTING



3/16" X 1/4" LG SHRINK TUBING

CUT TO LENGTH SPECIFIED

6 1/4"

AFTER TWIST

TWIST WIRES

OR

OR

OR

OR

OR

OR

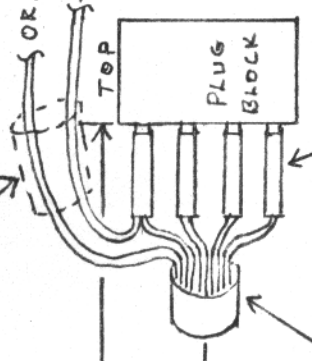
OR

OR

OR

OR

INSTALL 3/32" X 1/4" SHRINK TUBING OVER 4 WIRES



3/32" X 1/2" LG SHRINK TUBING (7)

SHRINK TUBING OVER ALL WIRES

OR. LEAD TO AILERON PLUG

LEADS TO AILERON PLUG

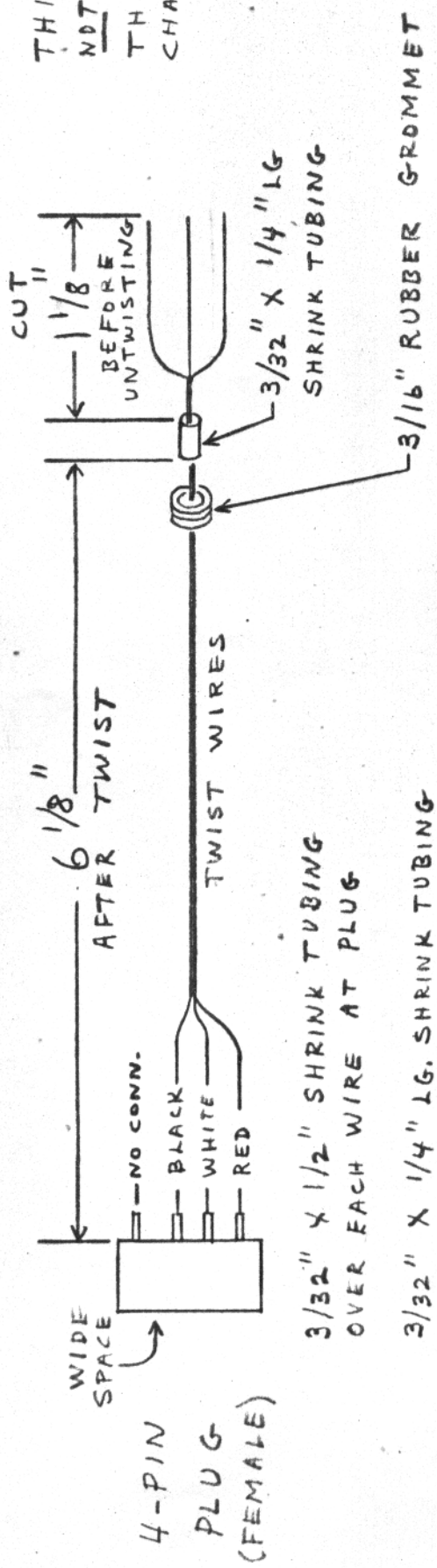
INSTALL 4 PIECES 3/32" X 1/2" AND 1 3/32" X 1/4" SHRINK TUBING AT AILERON PLUG.

3/32" X 1/2" LG SHRINK TUBING (7)

SHRINK TUBING OVER ALL WIRES

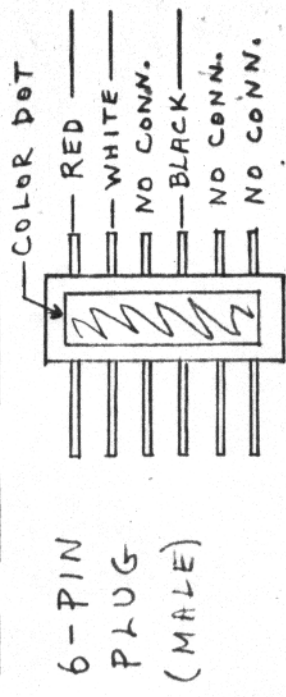
2/11/70

RX POWER PLUG AND CABLE ASSEMBLY



THIS CABLE IS NOT USED ON THE THREE CHANNEL RX.

WIRES 9" TO START



THIS CABLE IS USED ON THE THREE CHANNEL RX. WHEN 6-PIN PLUGS ARE USED.

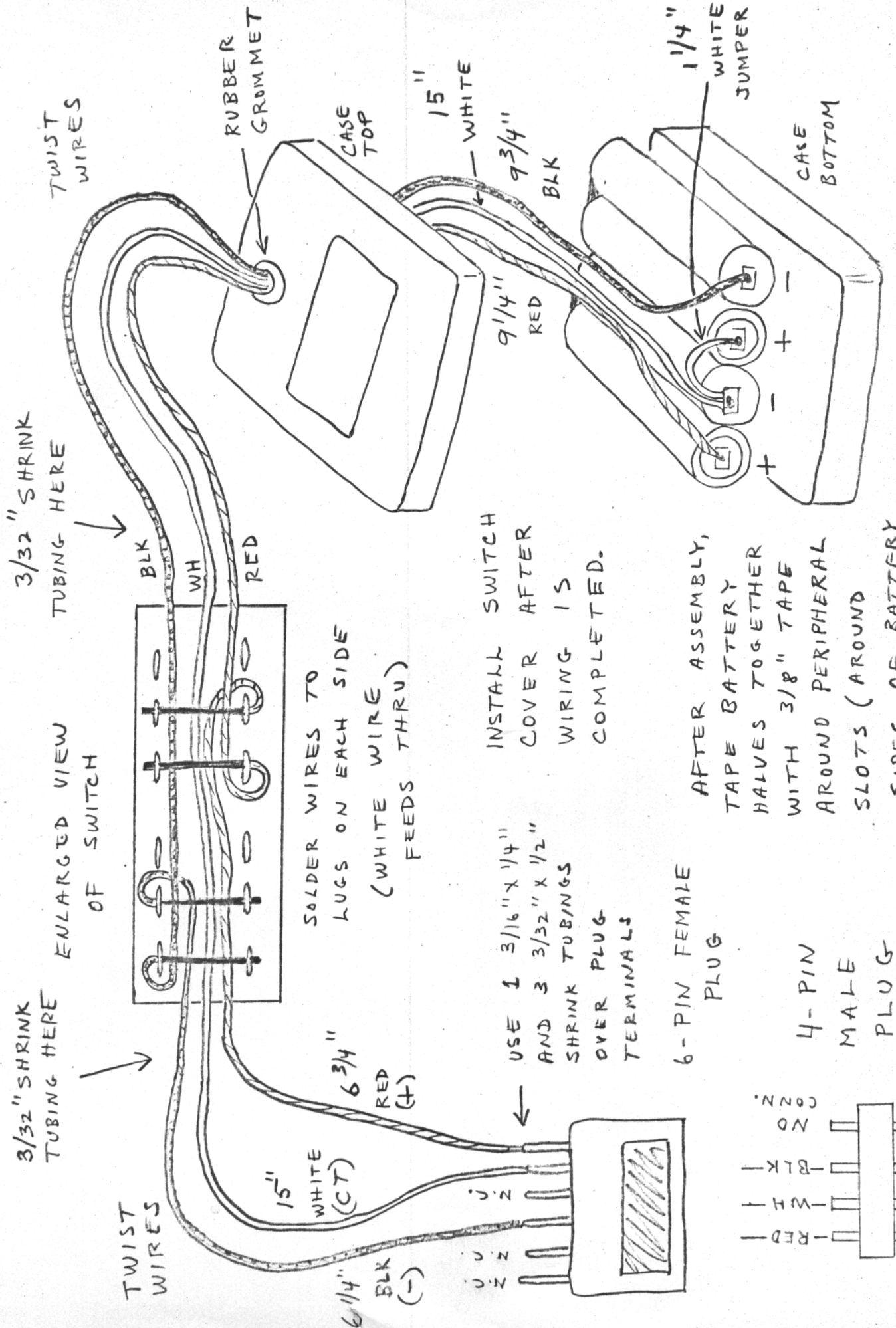
REST OF CABLE SAME AS ABOVE

ALTERNATE CABLE

1. SOLDER WIRES TO PLUG.
2. INSTALL 4 SHRINK TUBINGS AT PLUG END.
3. TWIST WIRES.
4. INSTALL SINGLE SHRINK TUBING AT POSITION SHOWN.
5. SLIDE ON GROMMET.
6. CUT WIRES TO LENGTHS SHOWN.
7. CONNECT WIRES TO RECEIVER P.C. BOARD
8. ON D525-SRS RX, SOLDER WHITE WIRE ENDS FROM BATTERY AND SERVO CABLES TOGETHER INSIDE RECEIVER. COVER JOINT WITH SHRINK TUBING (3/32").

9/24/69

BATTERY, SWITCH & PLUG ASSY (D525-P500)



3/32" SHRINK TUBING HERE

3/32" SHRINK TUBING HERE

ENLARGED VIEW OF SWITCH

SOLDER WIRES TO LUGS ON EACH SIDE (WHITE WIRE FEEDS THRU)

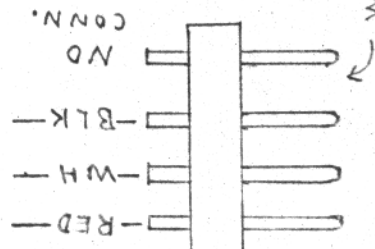
INSTALL SWITCH COVER AFTER WIRING IS COMPLETED.

AFTER ASSEMBLY, TAPE BATTERY HALVES TOGETHER WITH 3/8" TAPE AROUND PERIPHERAL SLOTS (AROUND SIDES OF BATTERY CASE).

USE 1 3/16" X 1/4" AND 3 3/32" X 1/2" SHRINK TUBINGS OVER PLUG TERMINALS

6-PIN FEMALE PLUG

4-PIN MALE PLUG (ALTERNATE)



WIDE SPACE