

# SRH150DT Assembly

Instructions and Procedures

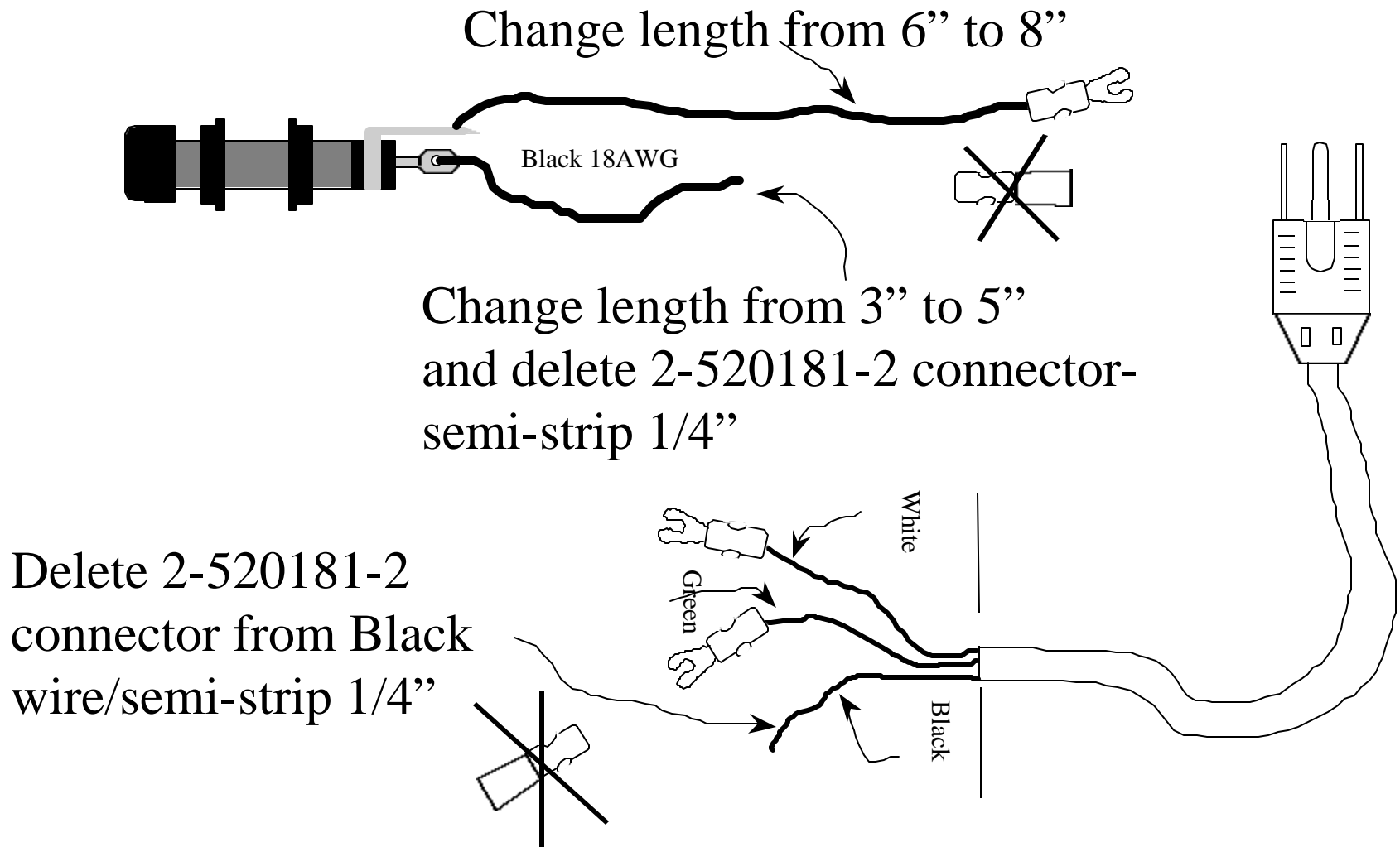
Mar 10, 1995

# UPDATES

- 3/28/95 ADDED 30000082 TO SLIDE 4 & 24

# FZ038 Changes 2-27-95

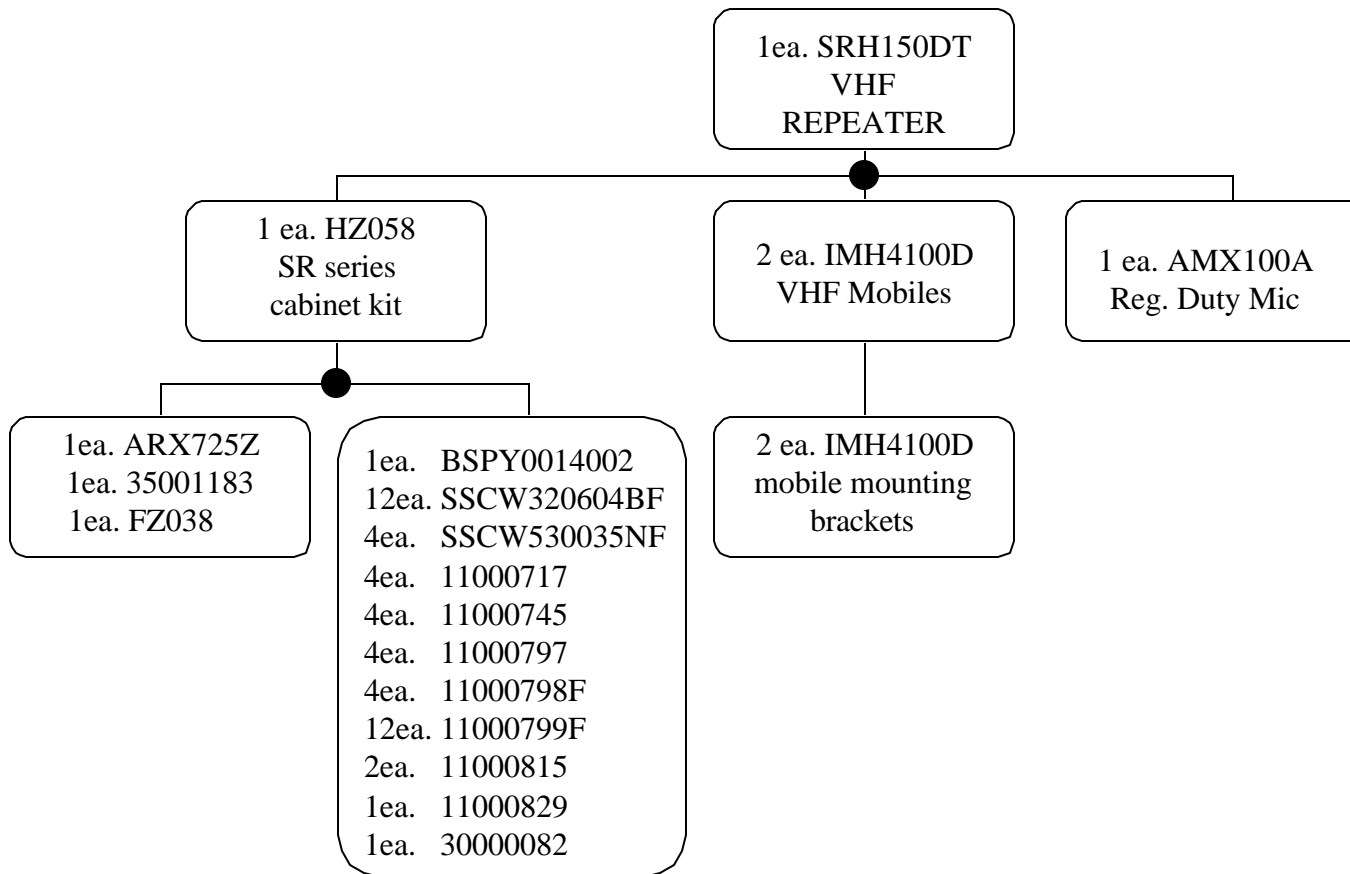
Update 9:55am



# Major Parts Required to MAKE ONE SRH150DT

- 2 - IMH4100D MOBILE RADIO'S
- 1 - HZ058 SR SERIES CABINET KIT
- 1 - ARX725Z SR SERIES CONTROL BD
- 1 - FZ038 SR SERIES POWER CORD KIT
- 1 - 35001183 SR SERIES POWER SUPPLY

# Product Break-down

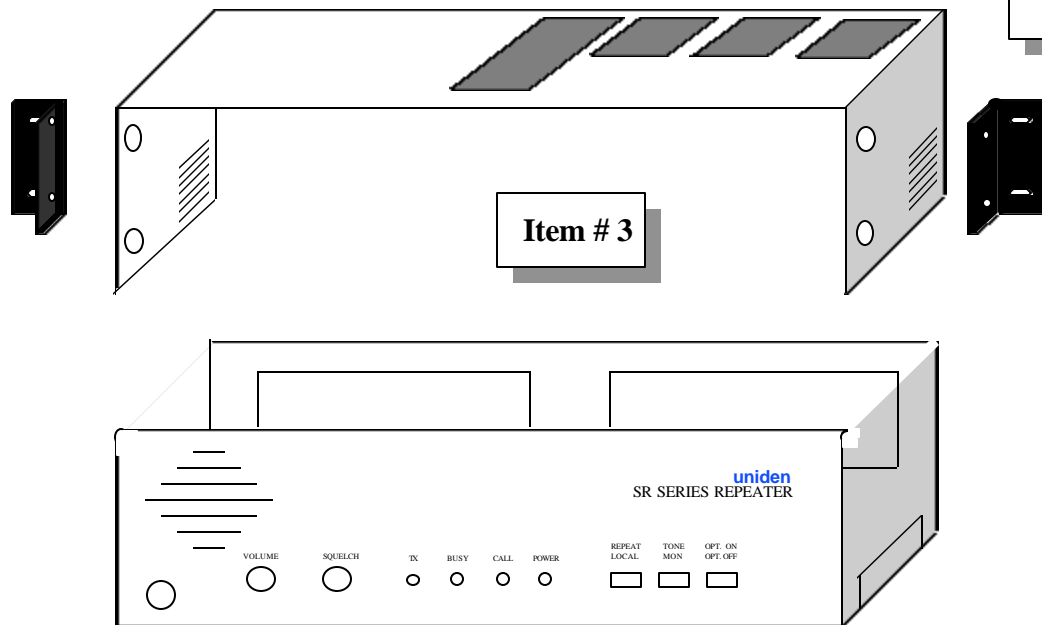


# SRH150DT B.O.M.

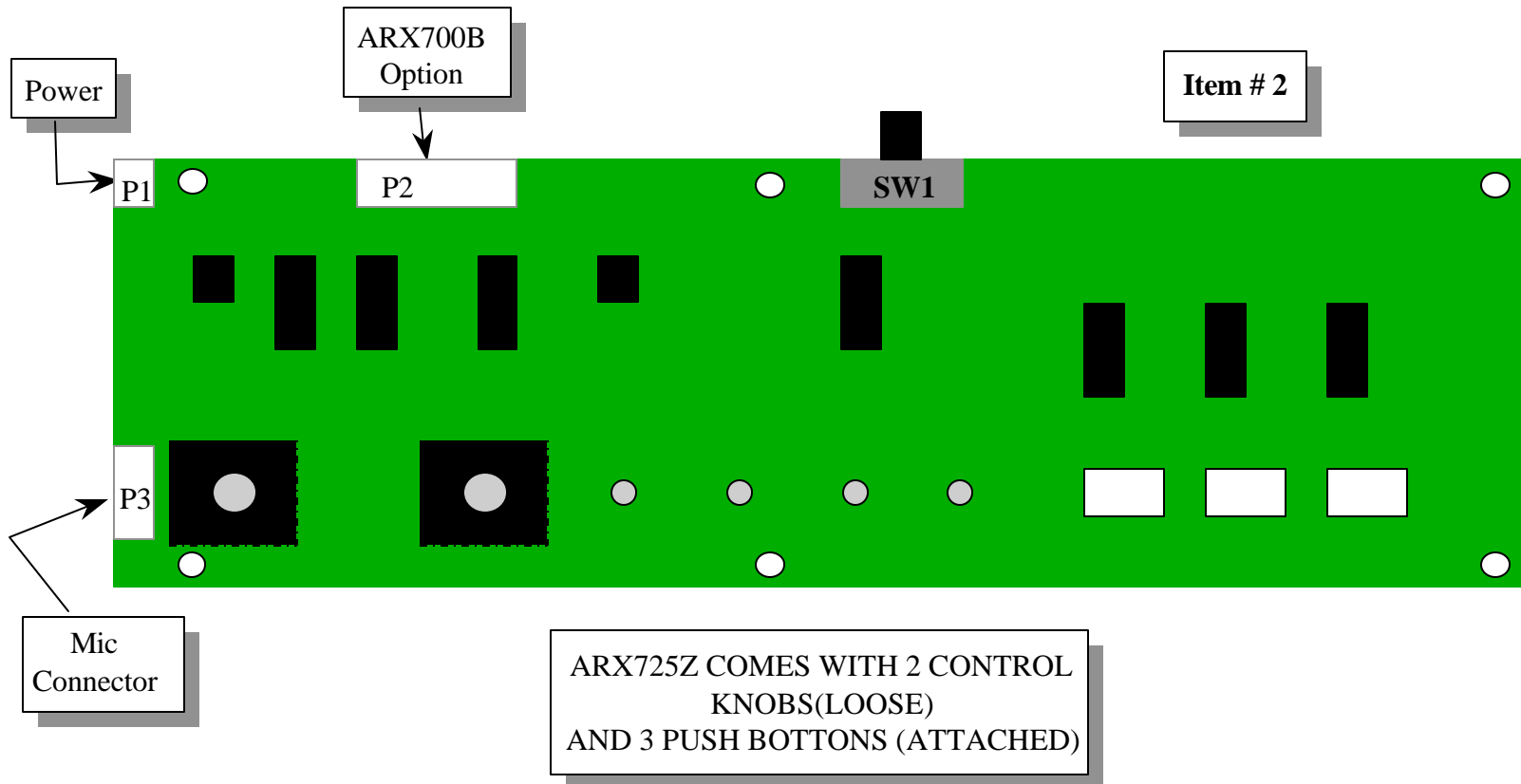
<b>Item #</b>	<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
1	IMH4100D	BASE MOBILE 150-174 MHz	2
2	ARX725Z	SR SERIES CONTROL BD	1
3	HZ058	SR SERIES CABINET KIT	1
4	FZ038	SR SERIES POWER CORD KIT	1
5	35001183	SR SERIES POWER SUPPLY	1
6	30000082	AC POWER SWITCH	1
7	11000829	GROMMET FOR SR SERIES RPTR	1
8	11000815	BLACK UNIVERSAL BUSHING	2
9	11000745	RUBBER BUMPER BLK SRH/SRU	4
10	11000797	#8-32 HEX NUT	4
11	11000798F	#8-EXT LOC WASHER	4
12	11000799F	#6-32 x 1/4 PAN HD MACH SCR	12
13	SSCW320604BF	SCREW FLT HD NO. 6-32 1/4"	12
14	SSCW530035NF	WASH: LOCK D3.5 NI (SMS815T)	2
15	BSPY0014002	SPEAKER: (SRH/SRU) 8 ohm	1
16	11001767	SCR 2-56x3/8 PHIL MCH PANHD	2
17	11001768	NUT, 2-56	2
18	11000717	#4-40 HEX NUT	4
19	AMX100A	REG. DUTY MIC (MK376)	1

# HZ058 SR SERIES CABINET

The HZ058 comes in 4 pcs.  
Top & Bottom cover  
and 2 Rack Mount brackets

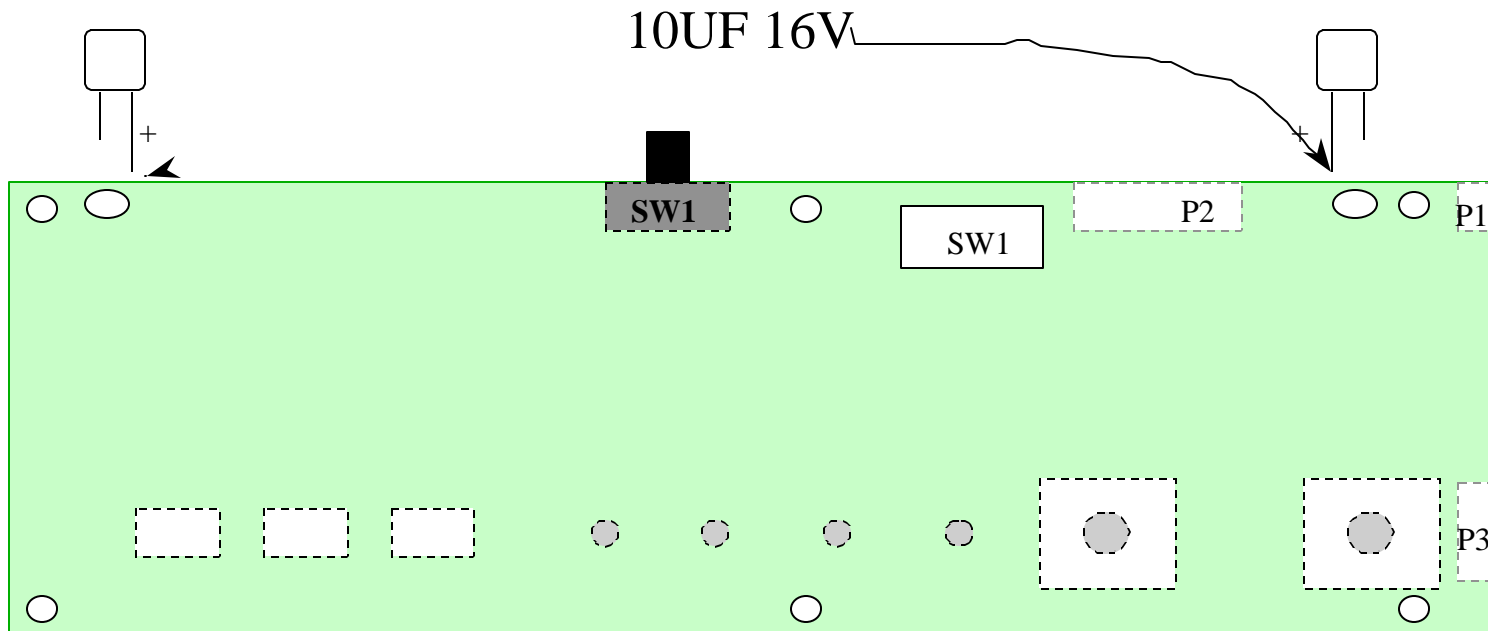


# ARX725Z Control Board





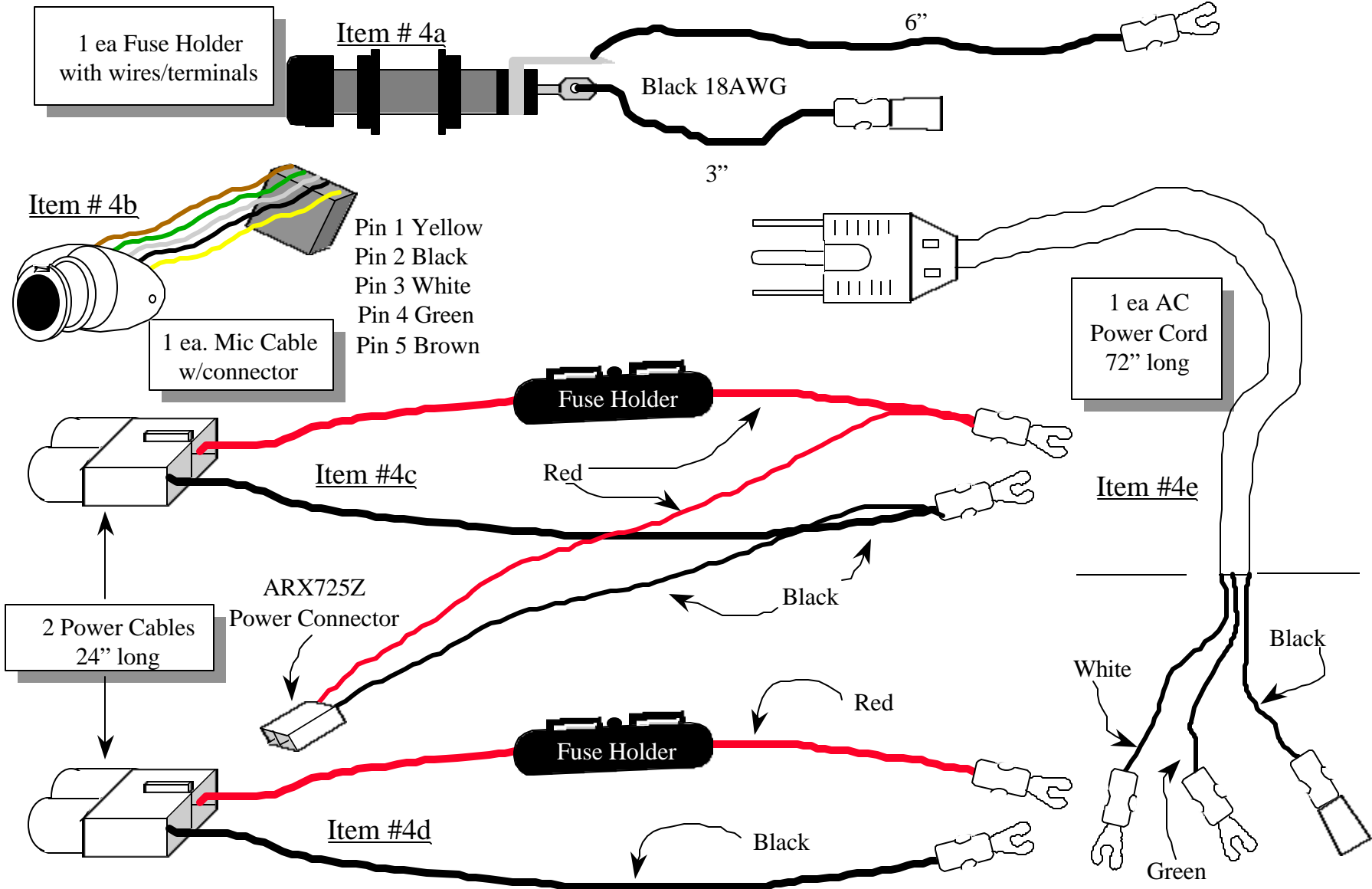
# ARX725Z Control Board



SOLDER SIDE VIEW

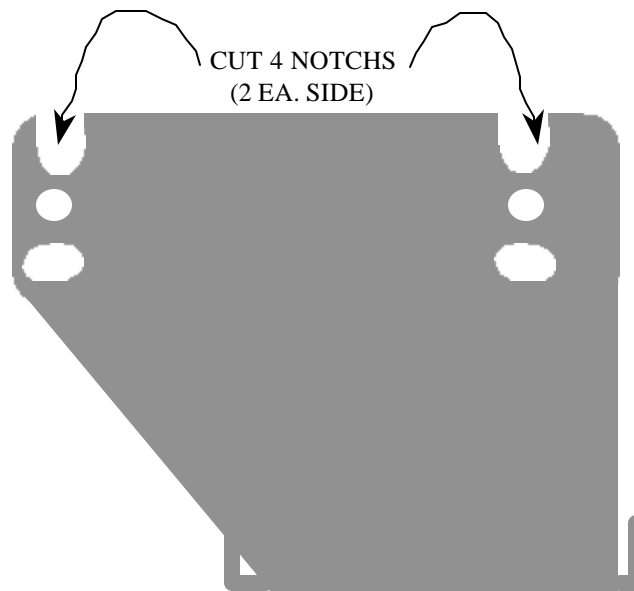
MODIFICATION 2-23-  
95

# FZ038 POWER CORD KIT

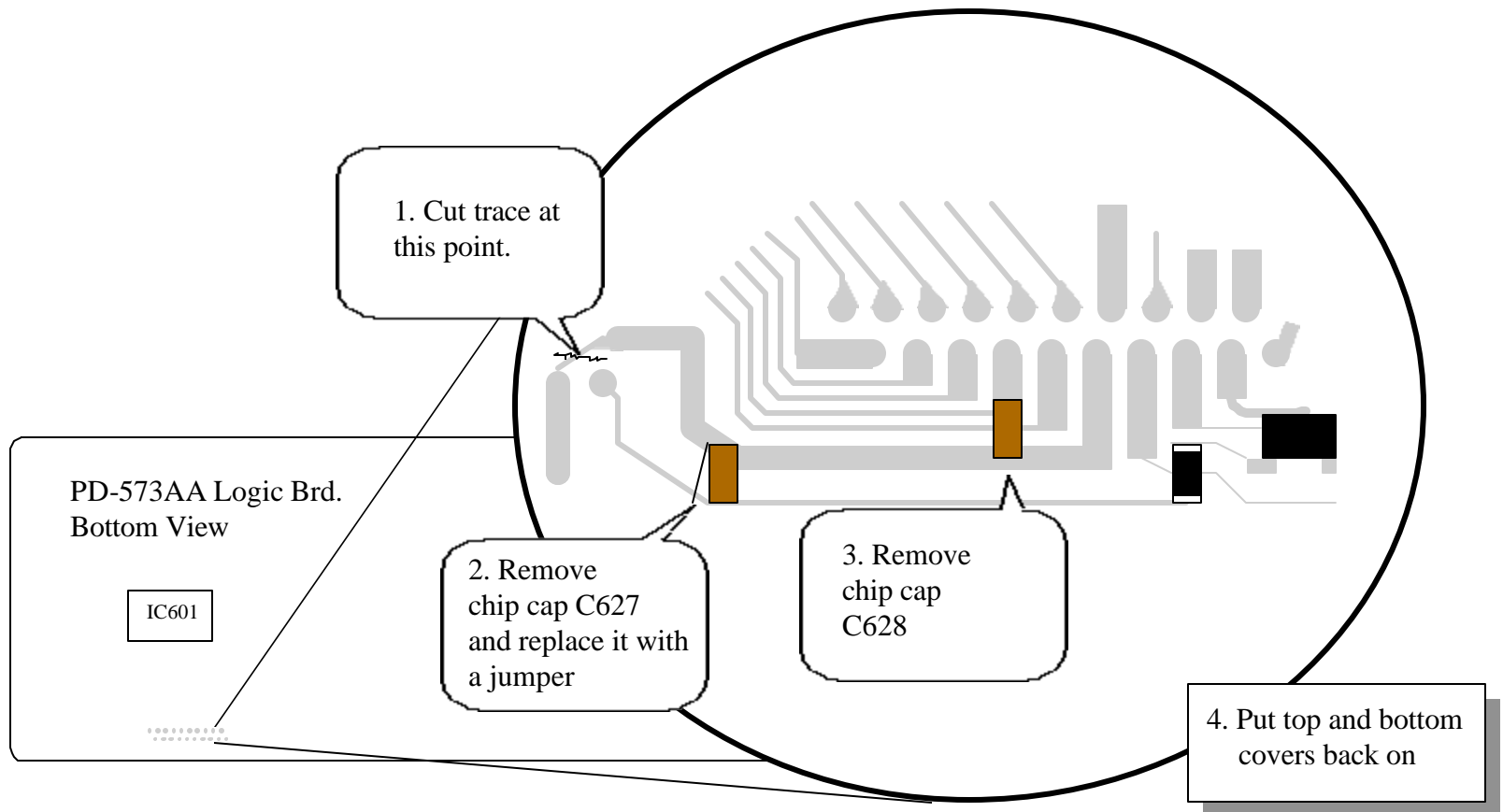


# PRIOR TO ASSEMBLY

- UNPACK ALL IMH4100D's AND REMOVE THE MOUNTING BRACKETS (MINIMUM 200pcs.)
- SEND THESE BRACKETS TO GOLDEN MANUFACTURING IN GARLAND FOR REWORK



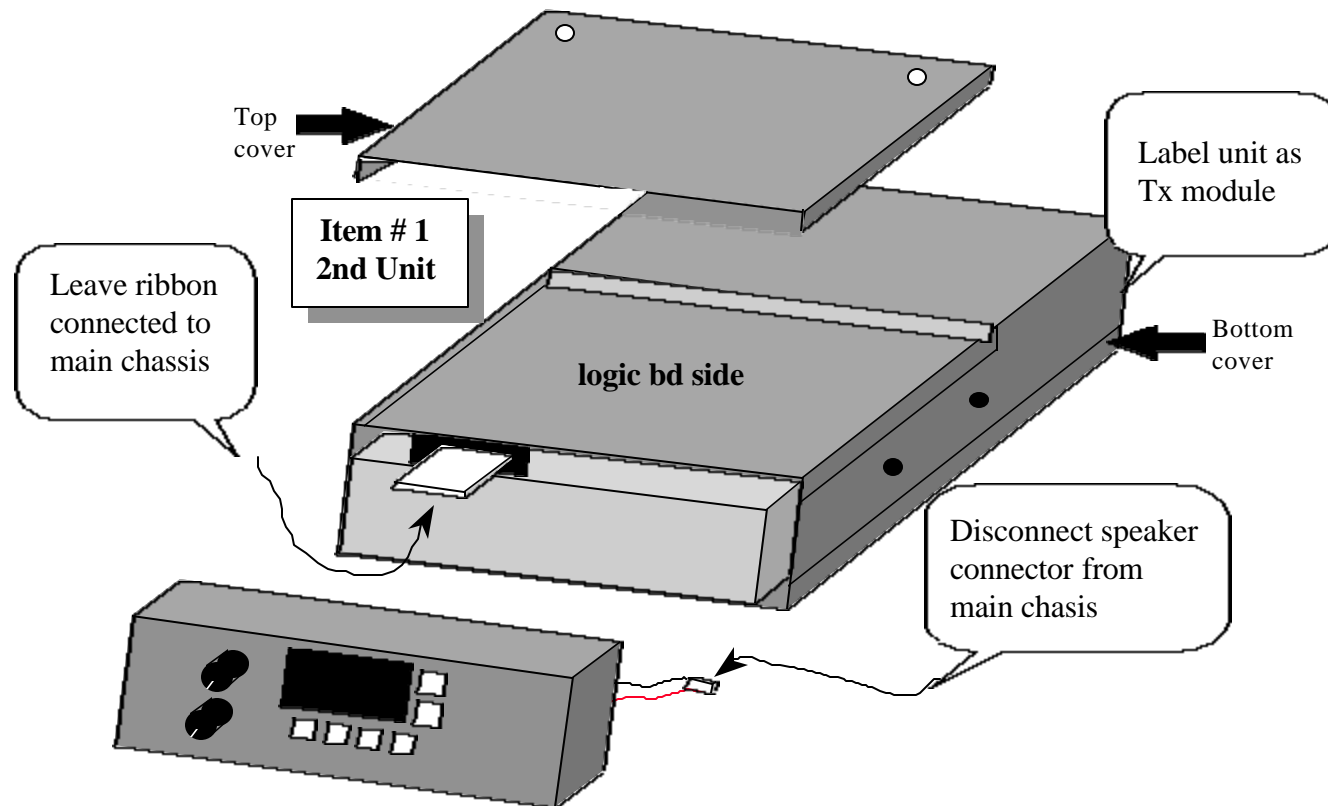
# MODIFY THE RECEIVE UNIT IMH4100 LOGIC BOARD



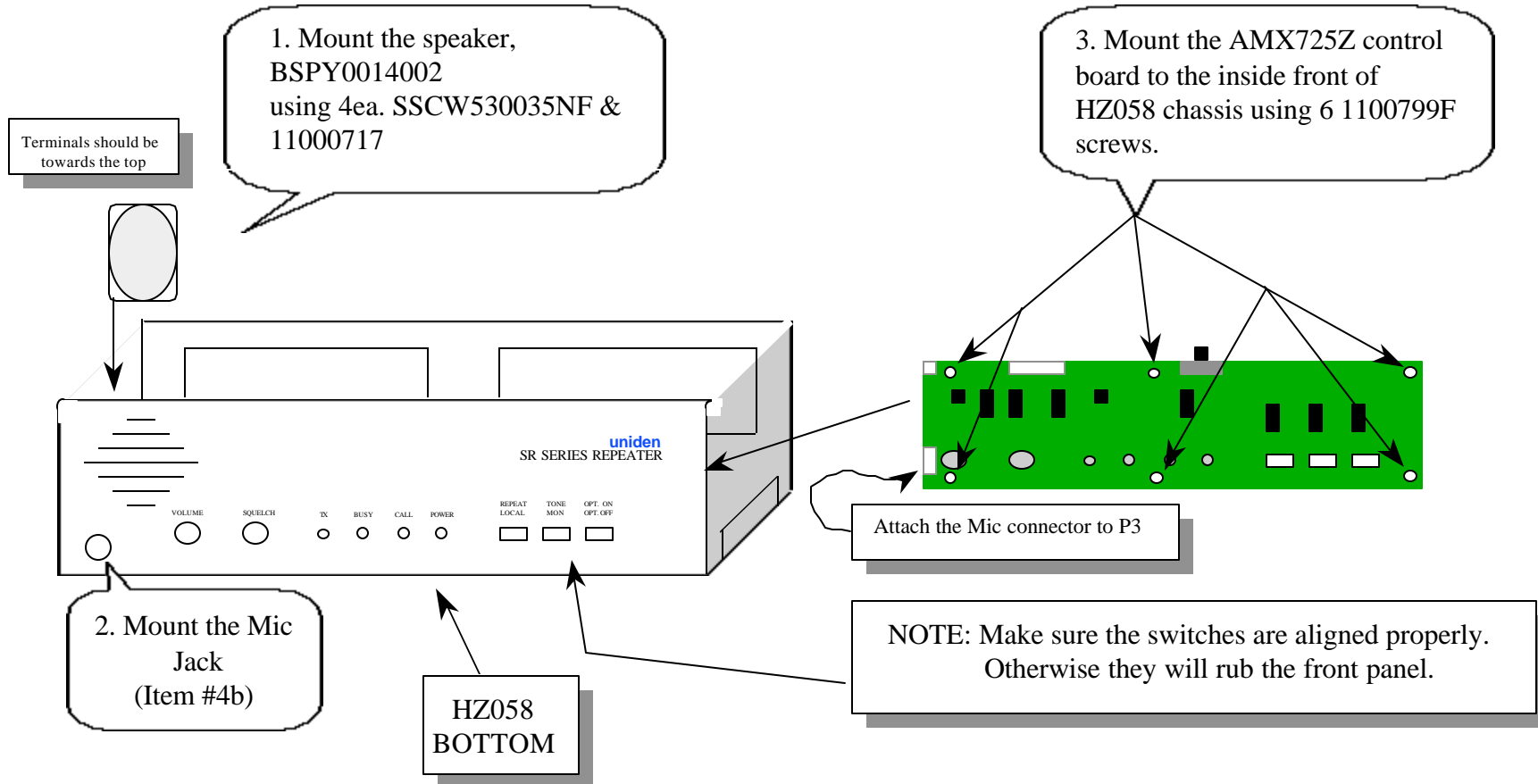
# IMH4100D TX PREPERATION

- a. PROGRAM ALL UNITS WITH CHANNEL 1-150.000MHz RX / 152.000MHz TX / CTCSS 179.9Hz
- b. REMOVE THE TOP AND BOTTOM COVERS
- c. NEXT REMOVE THE FRONT CONTROL HEAD (BE CAREFUL NOT TO DAMAGE THE FLAT RIBBON CABLE), UNPLUG SPEAKER FROM MAIN CHASSIS
- d. LABEL UNIT AS "TX MODULE"- PUT COVERS BACK ON

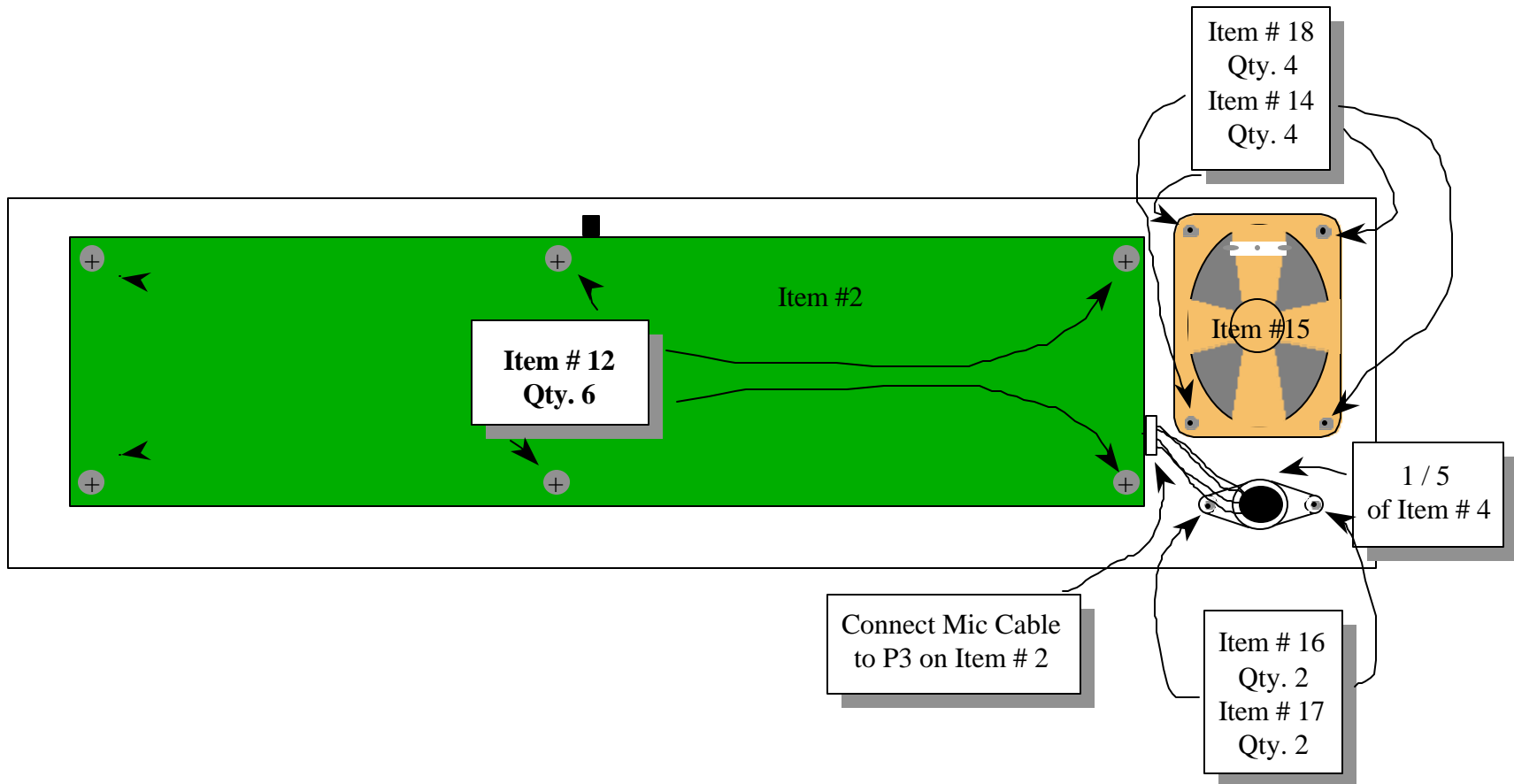
*NOTE: YOU HAVE TO PROGRAM A DUMMY RECEIVE CHANNEL, OTHERWISE IT WILL NEVER TX.*



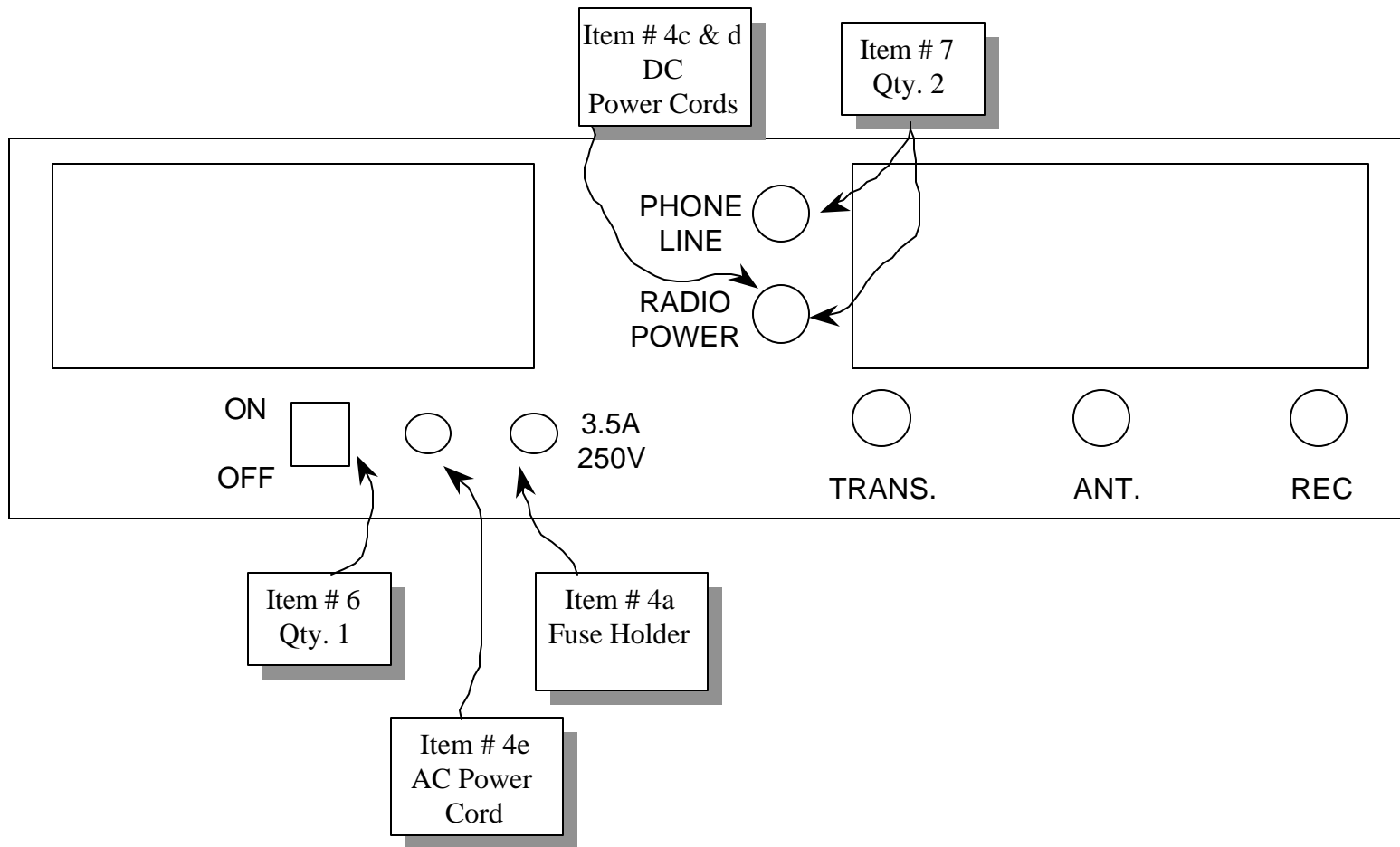
# Mount AMX725Z to HZ058



# Inside Front View

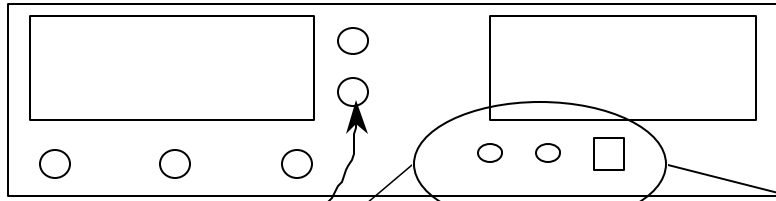


# Back View



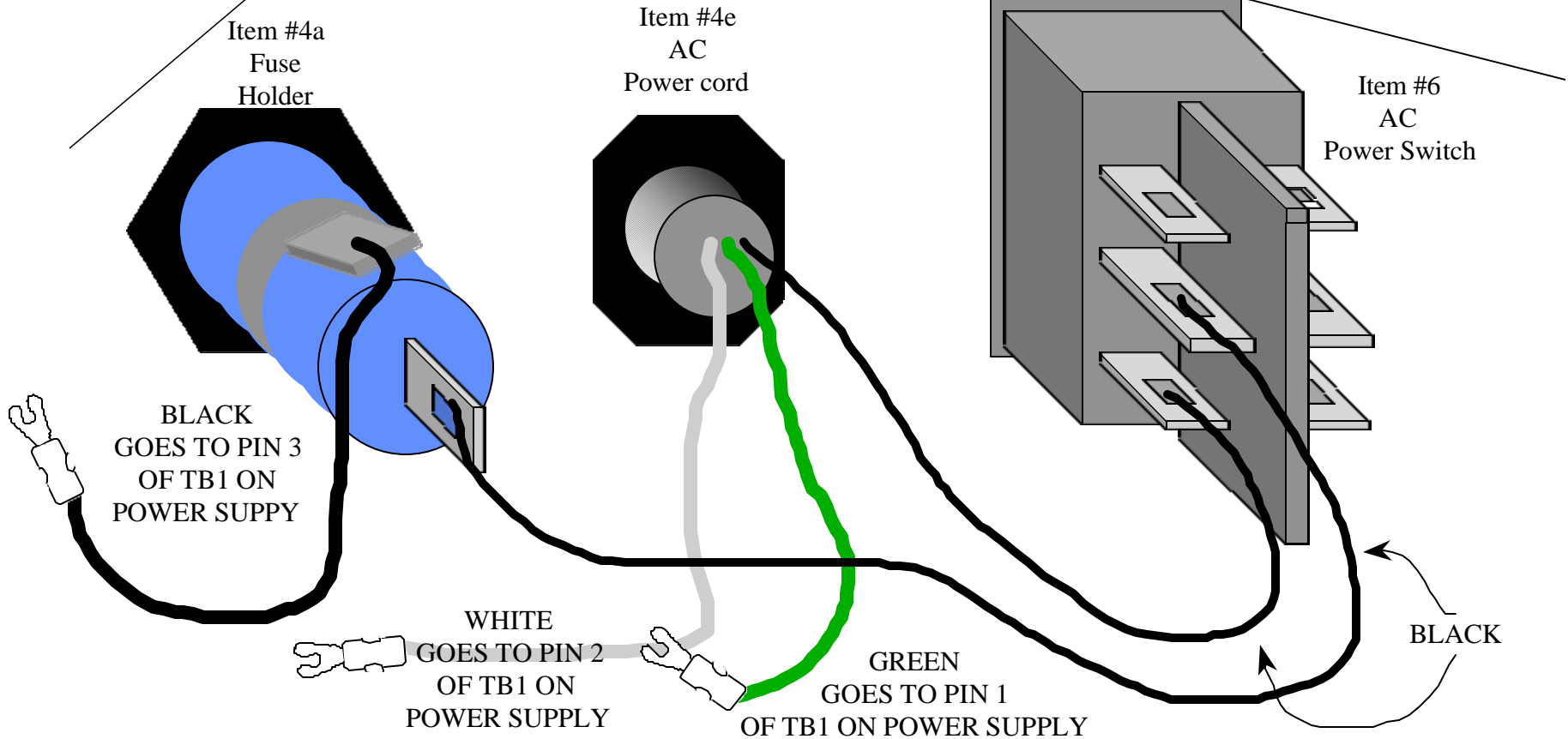


# Inside-Back View

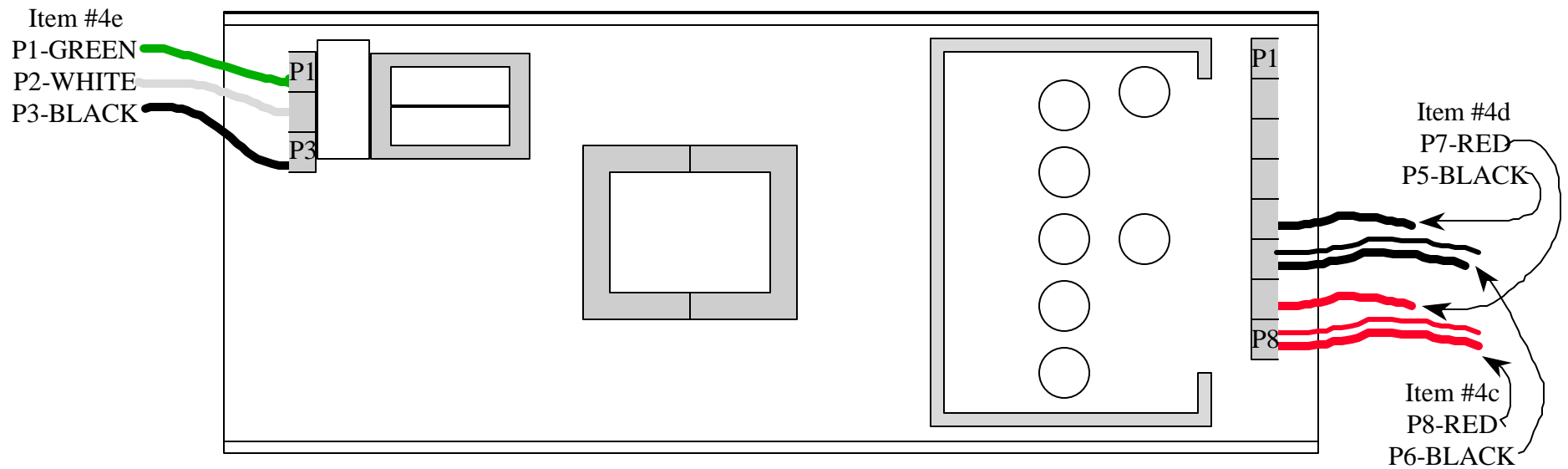


Push Items #4c & d  
DC Power cords  
through, terminals first

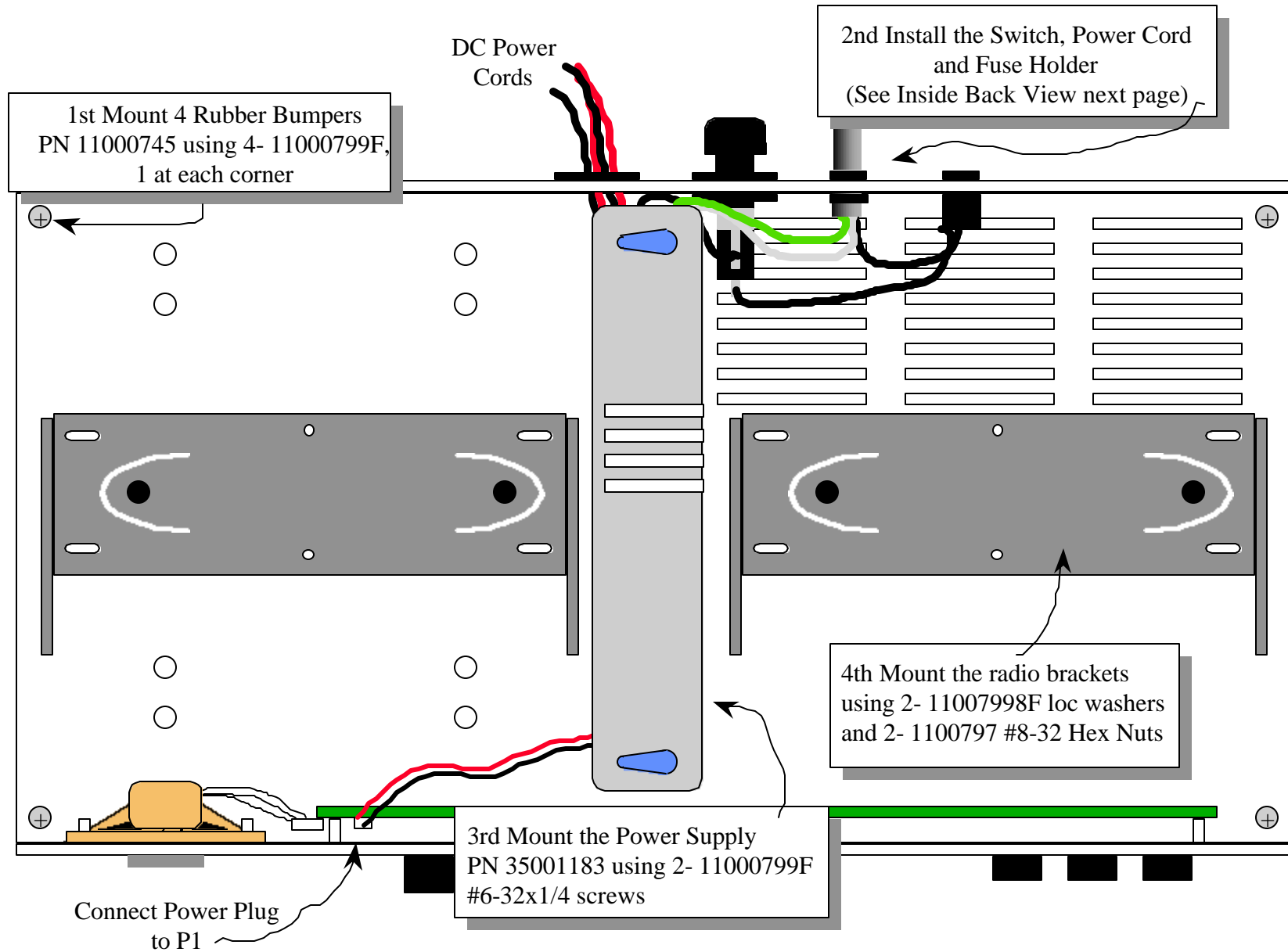
PLEASE NOTE THAT THE POWER CORD AND FUSE HOLDER  
COME WITH TERMINALS ON THE WIRES. THERE WERE CHANGES  
MADE DUE TO THE DIFFERENCE IN THE ON/OFF SWITCH, SO, YOU  
MIGHT HAVE TO SOLDER THE WIRES TO THE SWITCH AND COVER  
WITH HEAT SHRINK.



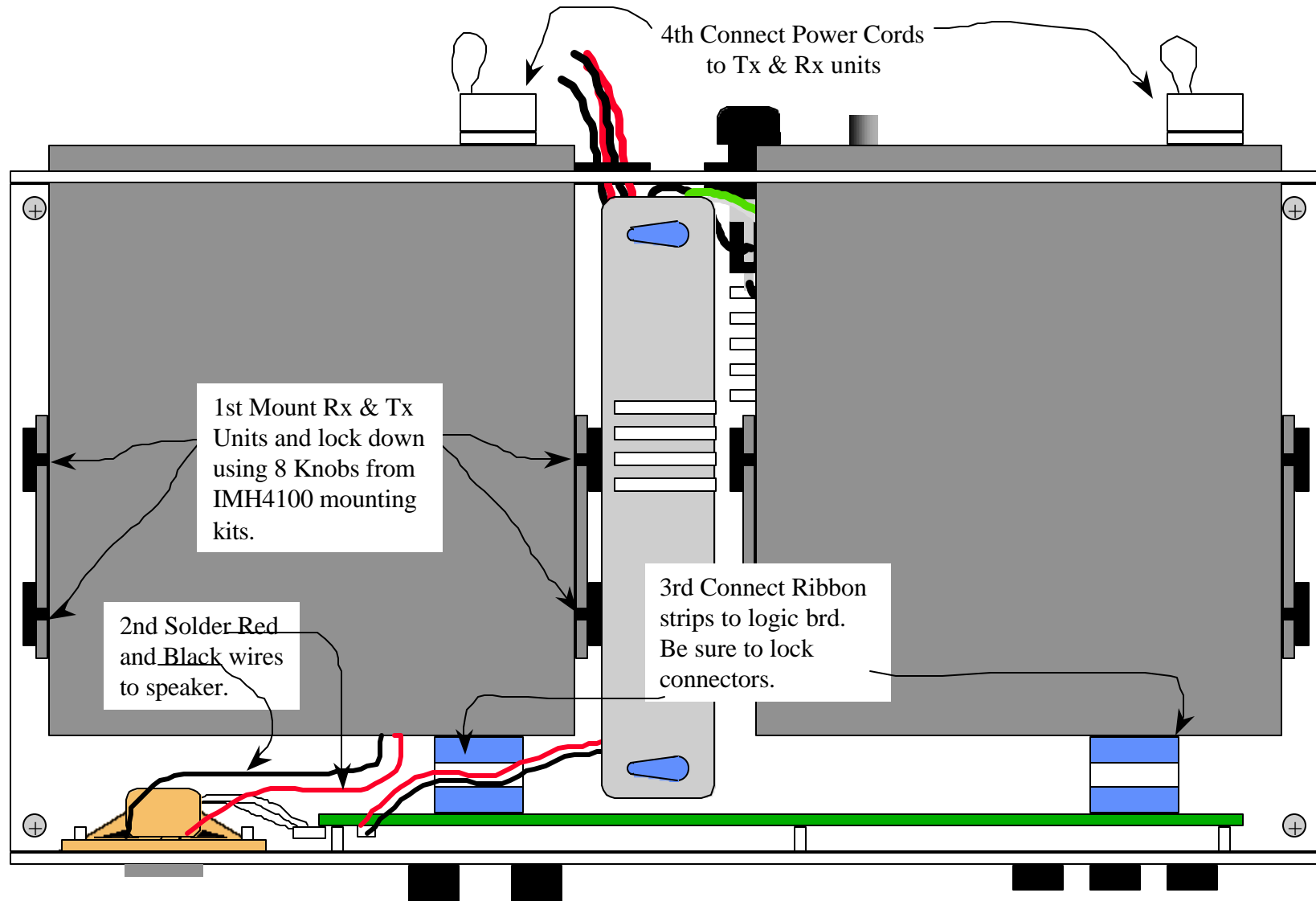
# Wiring the Power Supply



# Inside Bottom View



# Mounting Tx & Rx Modules



# Finalize

- Send to Test
- Mount cover using 12pcs SSCW320604BF  
3 on each side / 3 on top / 3 on back
- Pack with AMX100A, Rack Mount  
Brackets and Mic clip (us from IMH4100)  
using ARX320 box w/die cut foam just like  
MRS804 series

# SRU450KT Assembly

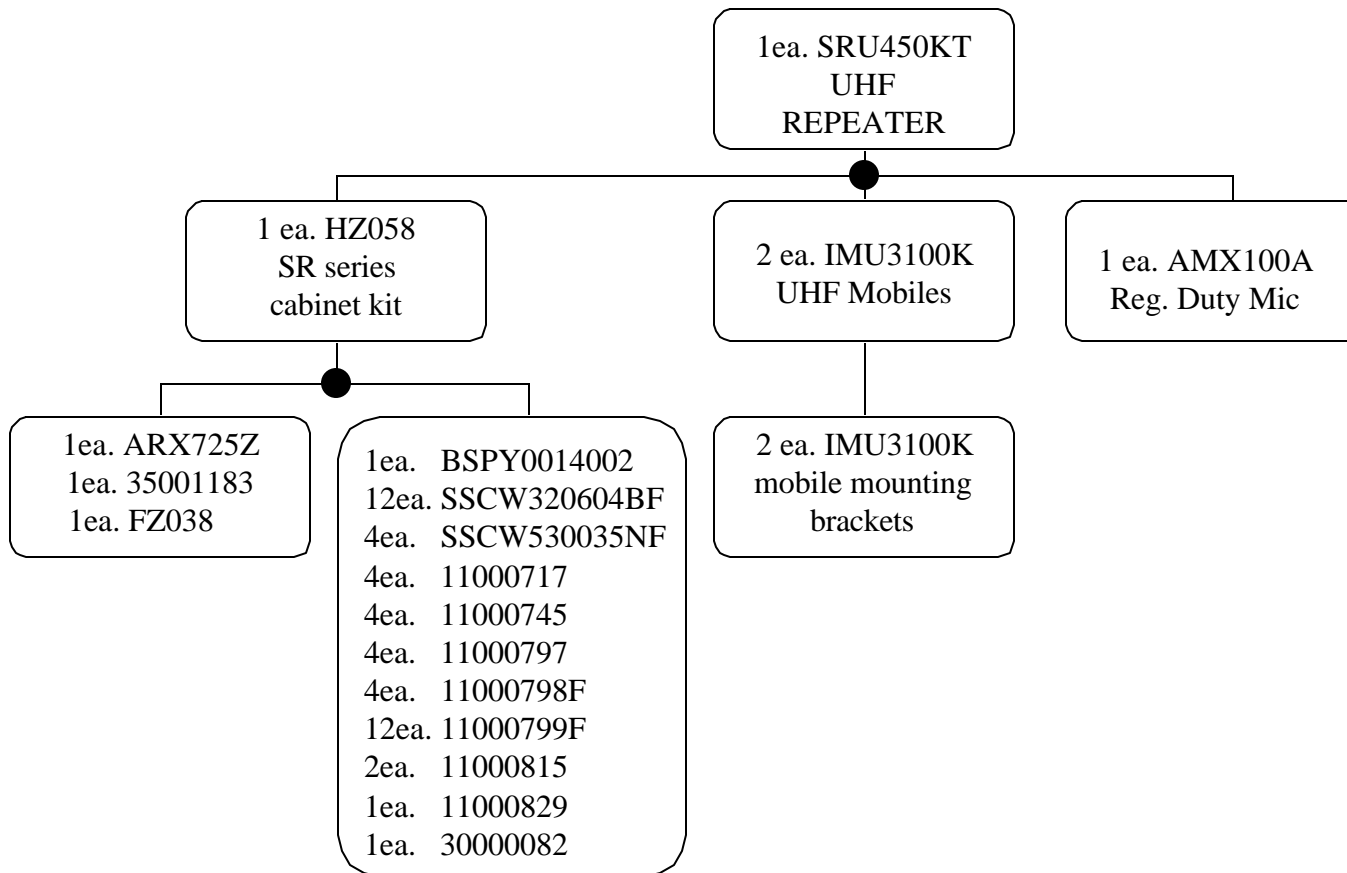
Instructions and Procedures

Feb. 17, 1995

# Major Parts Required to MAKE ONE SRU450KT

- 2 - IMU3100K MOBILE RADIO'S
- 1 - HZ058 SR SERIES CABINET KIT
- 1 - ARX725Z SR SERIES CONTROL BD
- 1 - FZ038 SR SERIES POWER CORD KIT
- 1 - 35001183 SR SERIES POWER SUPPLY

# Product Break-down



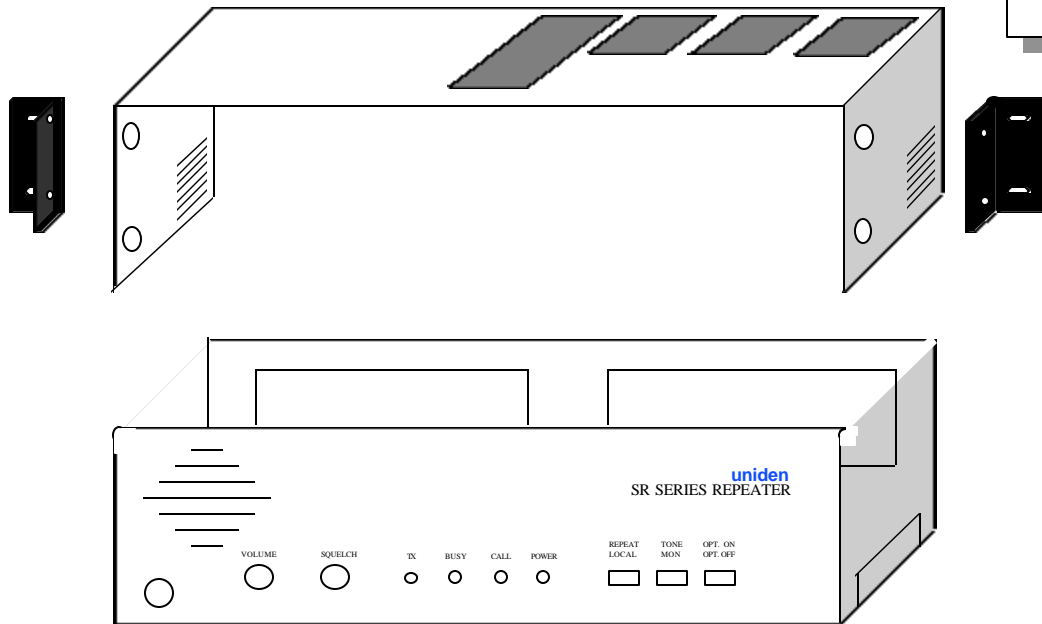


# SRU450KT B.O.M.

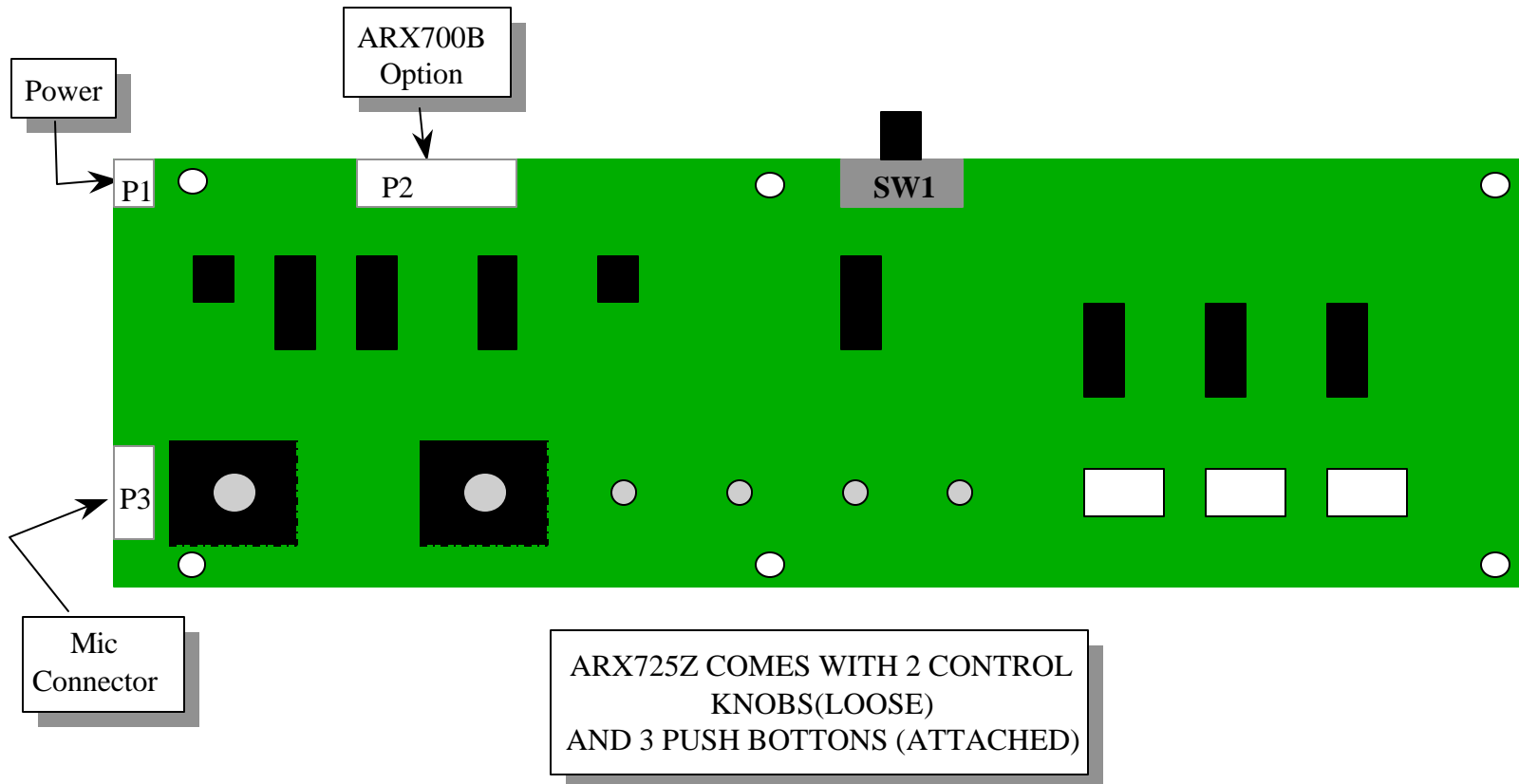
<b>Item #</b>	<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
1	IMU3100KT	BASE MOBILE 450-470 MHz	2
2	ARX725Z	SR SERIES CONTROL BD	1
3	HZ058	SR SERIES CABINET KIT	1
4	FZ038	SR SERIES POWER CORD KIT	1
5	35001183	SR SERIES POWER SUPPLY	1
6	30000082	AC POWER SWITCH	1
7	11000829	GROMMET FOR SR SERIES RPTR	1
8	11000815	BLACK UNIVERSAL BUSHING	2
9	11000745	RUBBER BUMPER BLK SRH/SRU	4
10	11000797	#8-32 HEX NUT	4
11	11000798F	#8-EXT LOC WASHER	4
12	11000799F	#6-32 x 1/4 PAN HD MACH SCR	12
13	SSCW320604BF	SCREW FLT HD NO. 6-32 1/4"	12
14	SSCW530035NF	WASH: LOCK D3.5 NI (SMS815T)	2
15	BSPY0014002	SPEAKER: (SRH/SRU) 8 ohm	1
16	11001767	SCR 2-56x3/8 PHIL MCH PANHD	2
17	11001768	NUT, 2-56	2
18	11000717	#4-40 HEX NUT	4
19	AMX100A	REG. DUTY MIC (MK376)	1

# HZ058 SR SERIES CABINET

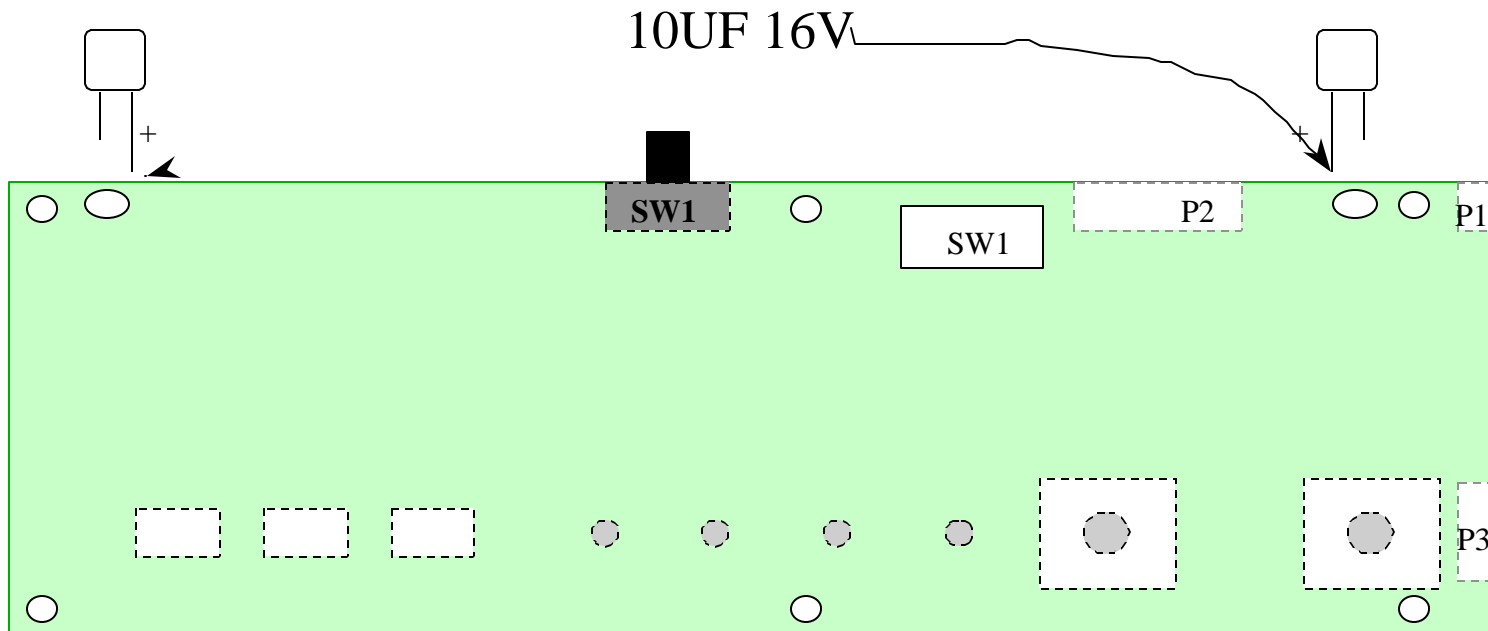
The HZ058 comes in 4 pcs.  
Top & Bottom cover  
and 2 Rack Mount brackets



# ARX725Z Control Board



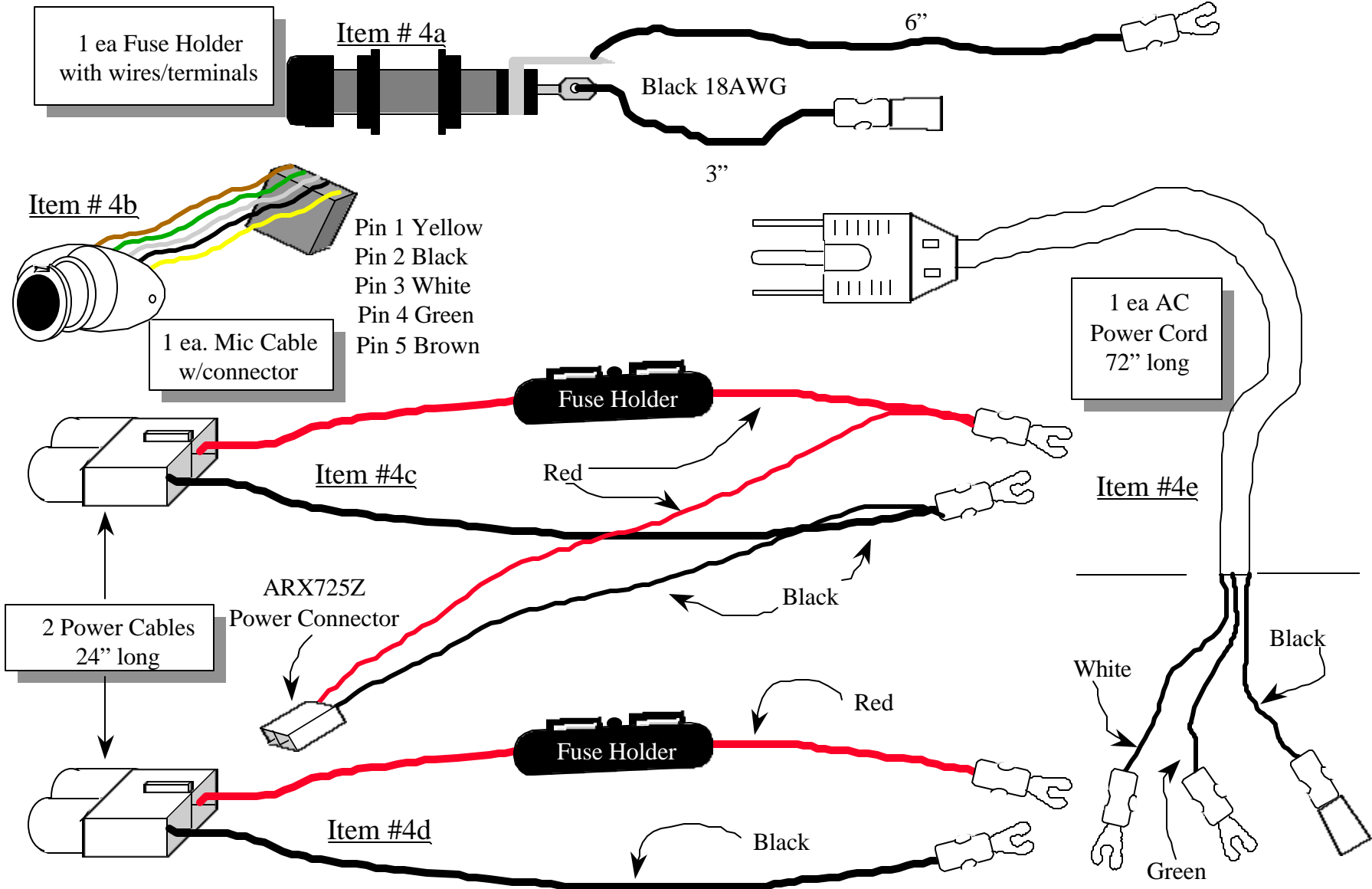
# ARX725Z Control Board



SOLDER SIDE VIEW

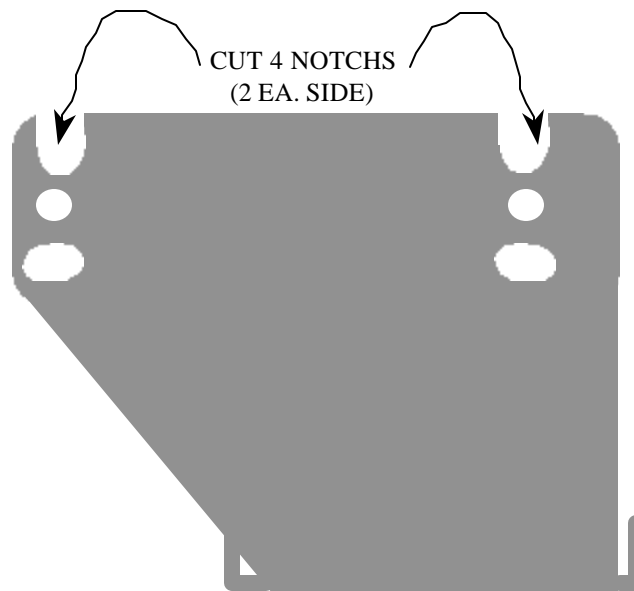
MODIFICATION 2-23-  
95

# FZ038 POWER CORD KIT

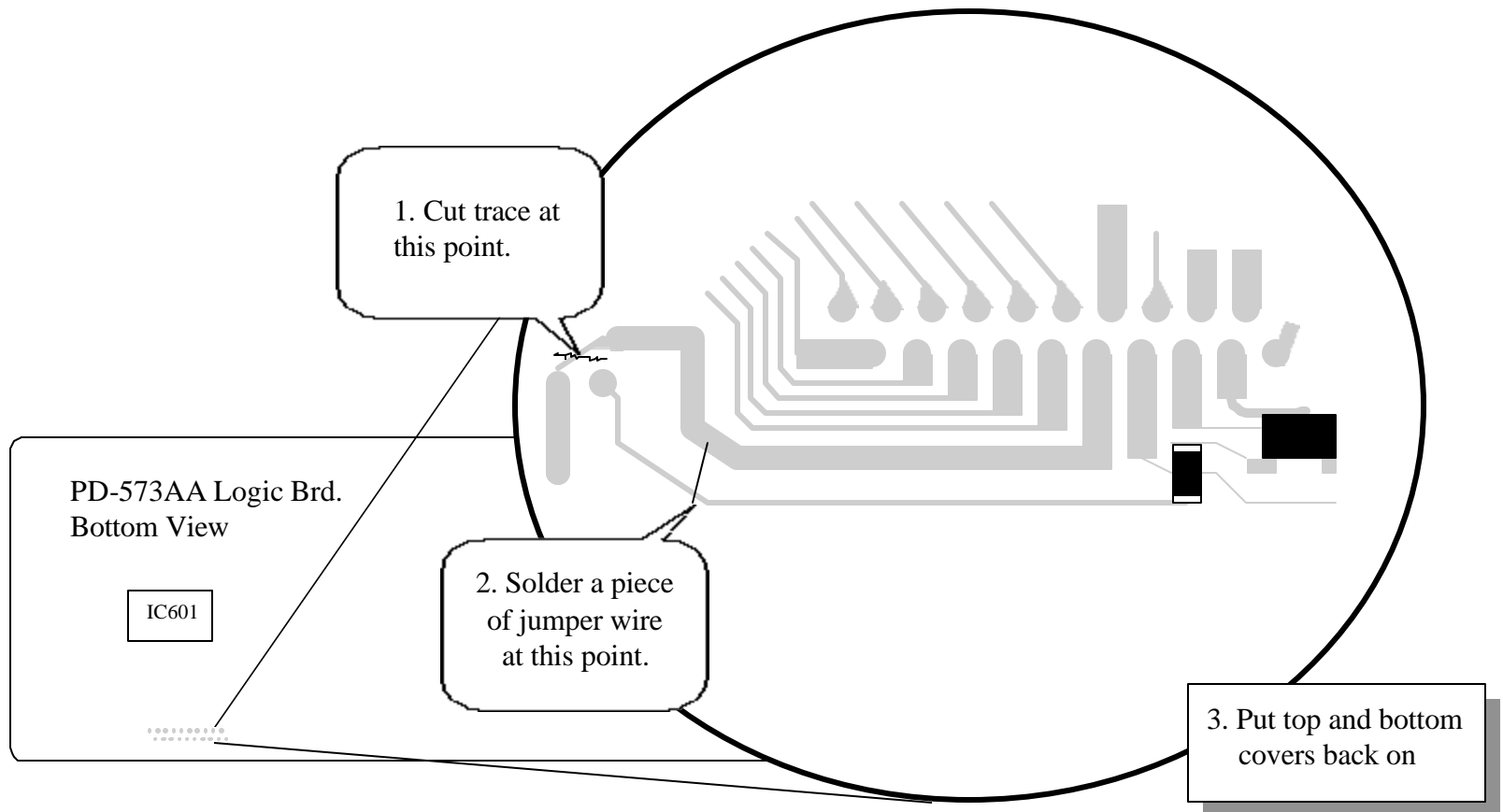


# PRIOR TO ASSEMBLY

- UNPACK ALL IMU3100K's AND REMOVE THE MOUNTING BRACKETS (MINIMUM 200pcs.)
- SEND THESE BRACKETS TO GOLDEN MANUFACTURING IN GARLAND FOR REWORK



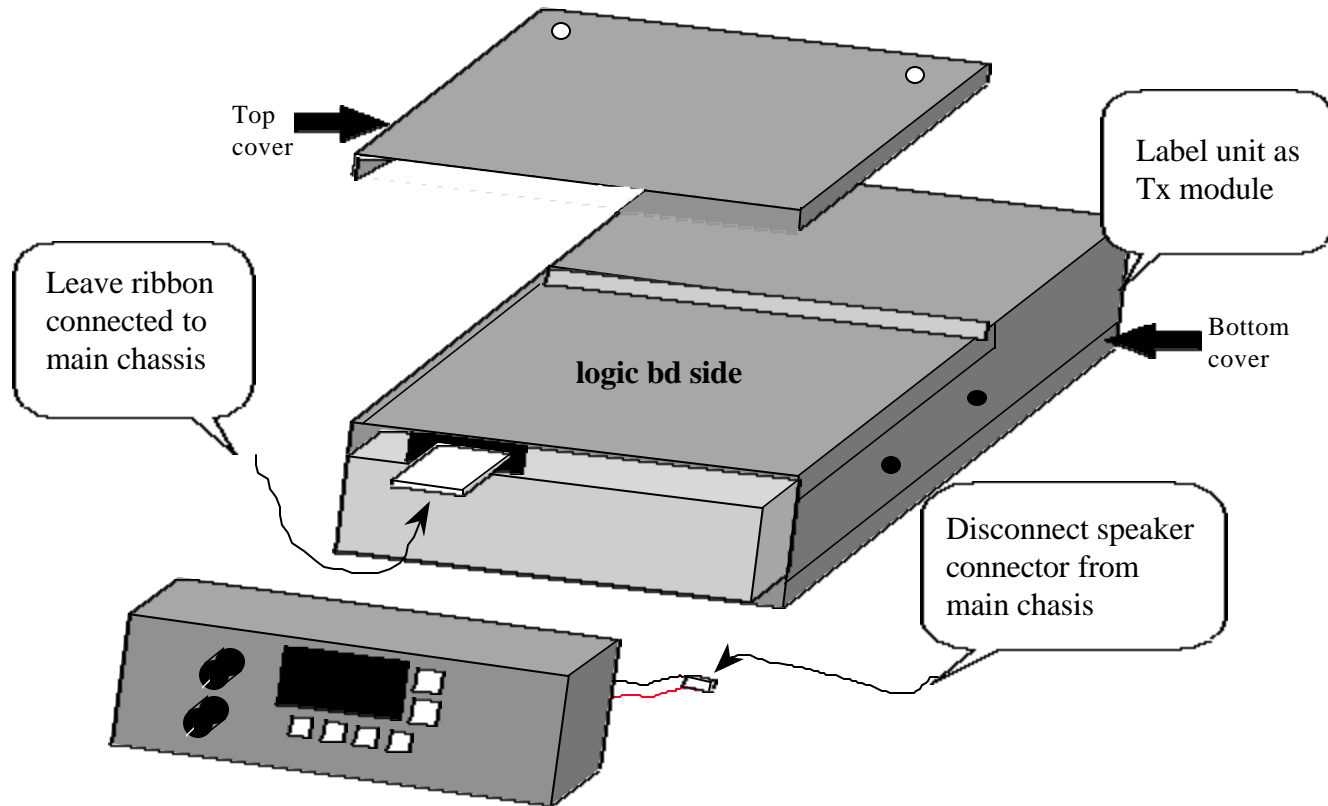
# MODIFY THE RECEIVE UNIT IMU3100 LOGIC BOARD



# IMU3100K TX PREPERATION

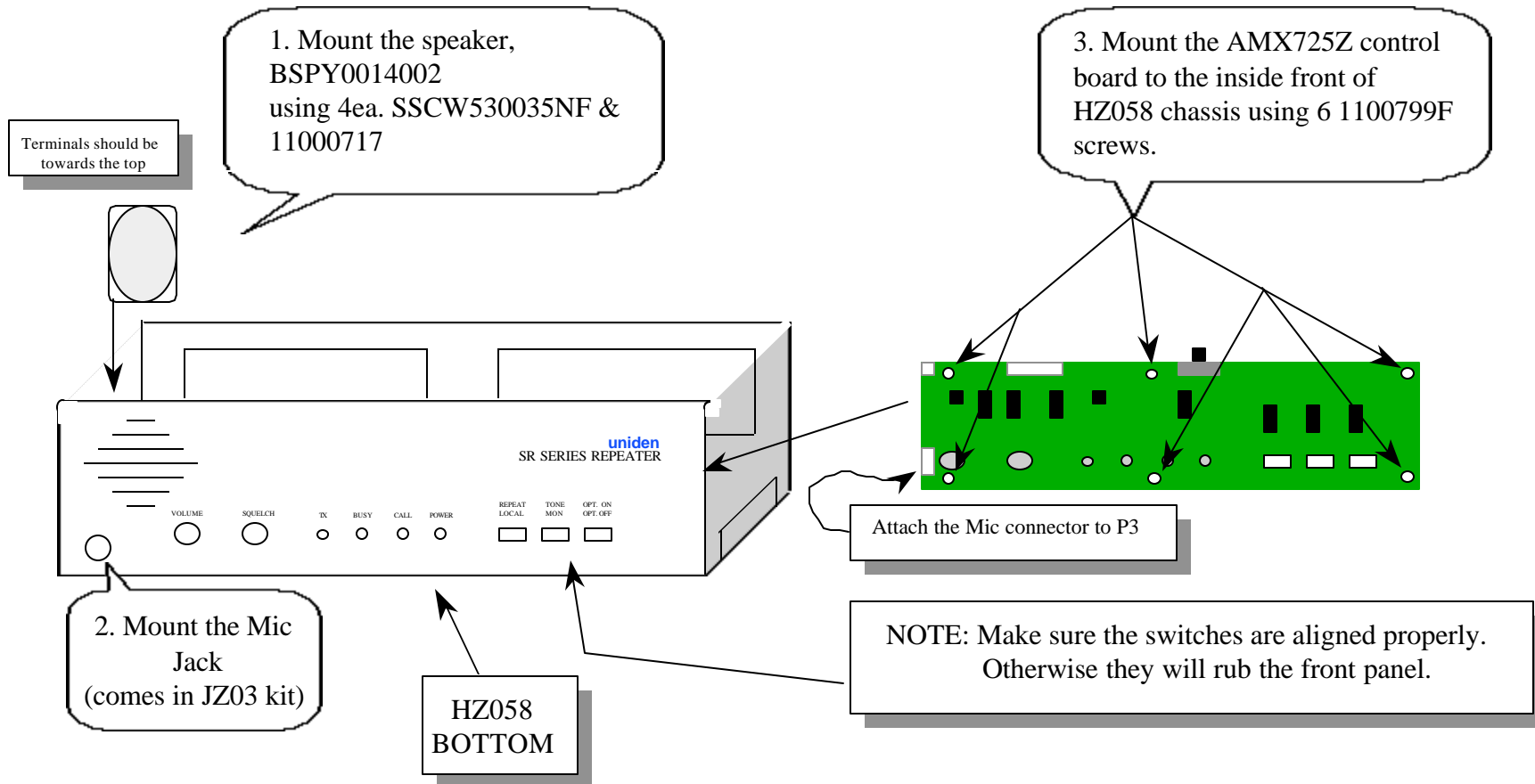
- a. PROGRAM ALL UNITS WITH CHANNEL 1-450.000MHz RX / 462.000MHz TX / CTCSS 179.9Hz
- b. REMOVE THE TOP AND BOTTOM COVERS
- c. NEXT REMOVE THE FRONT CONTROL HEAD (BE CAREFUL NOT TO DAMAGE THE FLAT RIBBON CABLE), UNPLUG SPEAKER FROM MAIN CHASSIS
- d. LABEL UNIT AS "TX MODULE"- PUT COVERS BACK ON

*NOTE: YOU HAVE TO PROGRAM A DUMMY RECEIVE CHANNEL, OTHERWISE IT WILL NEVER TX.*

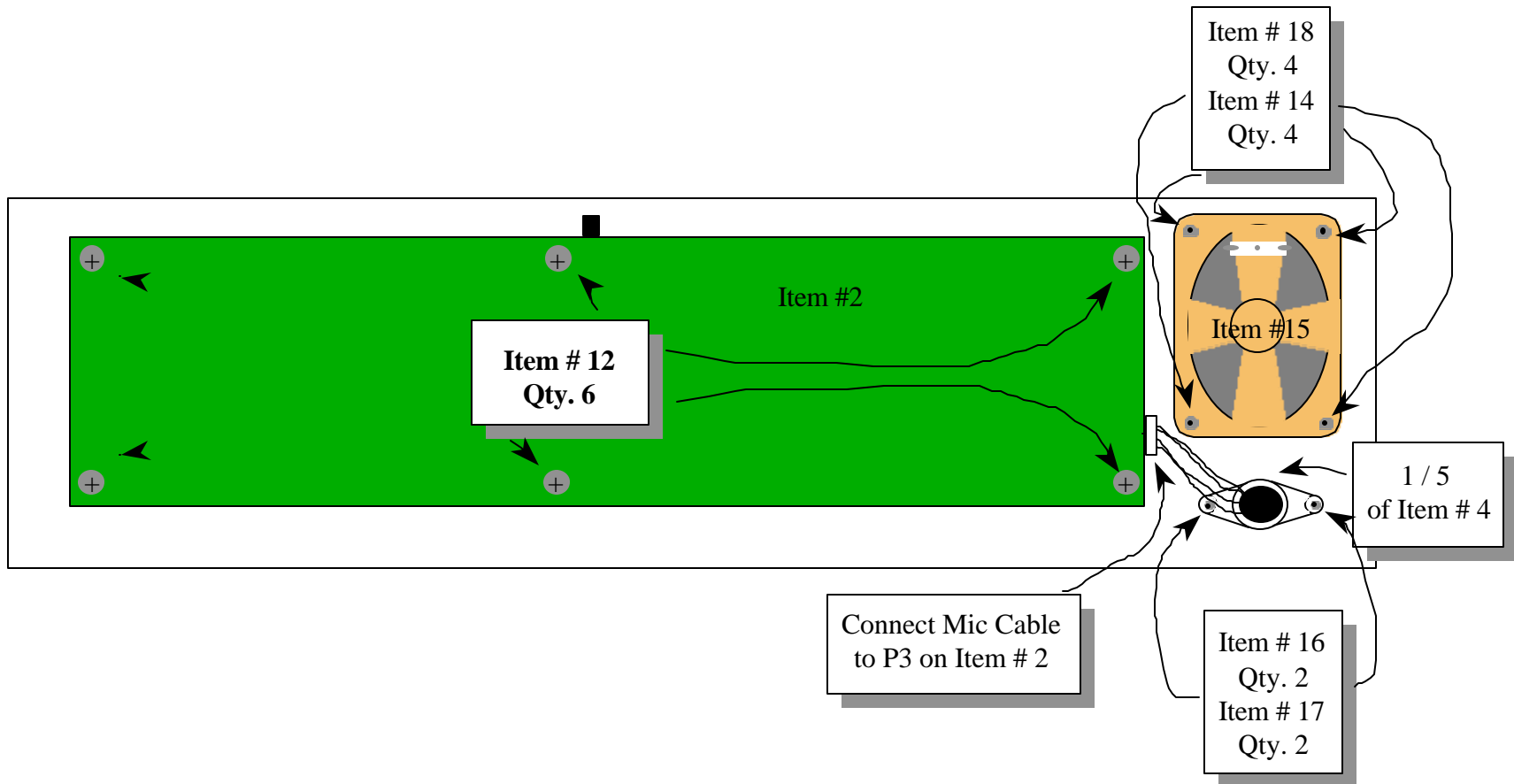




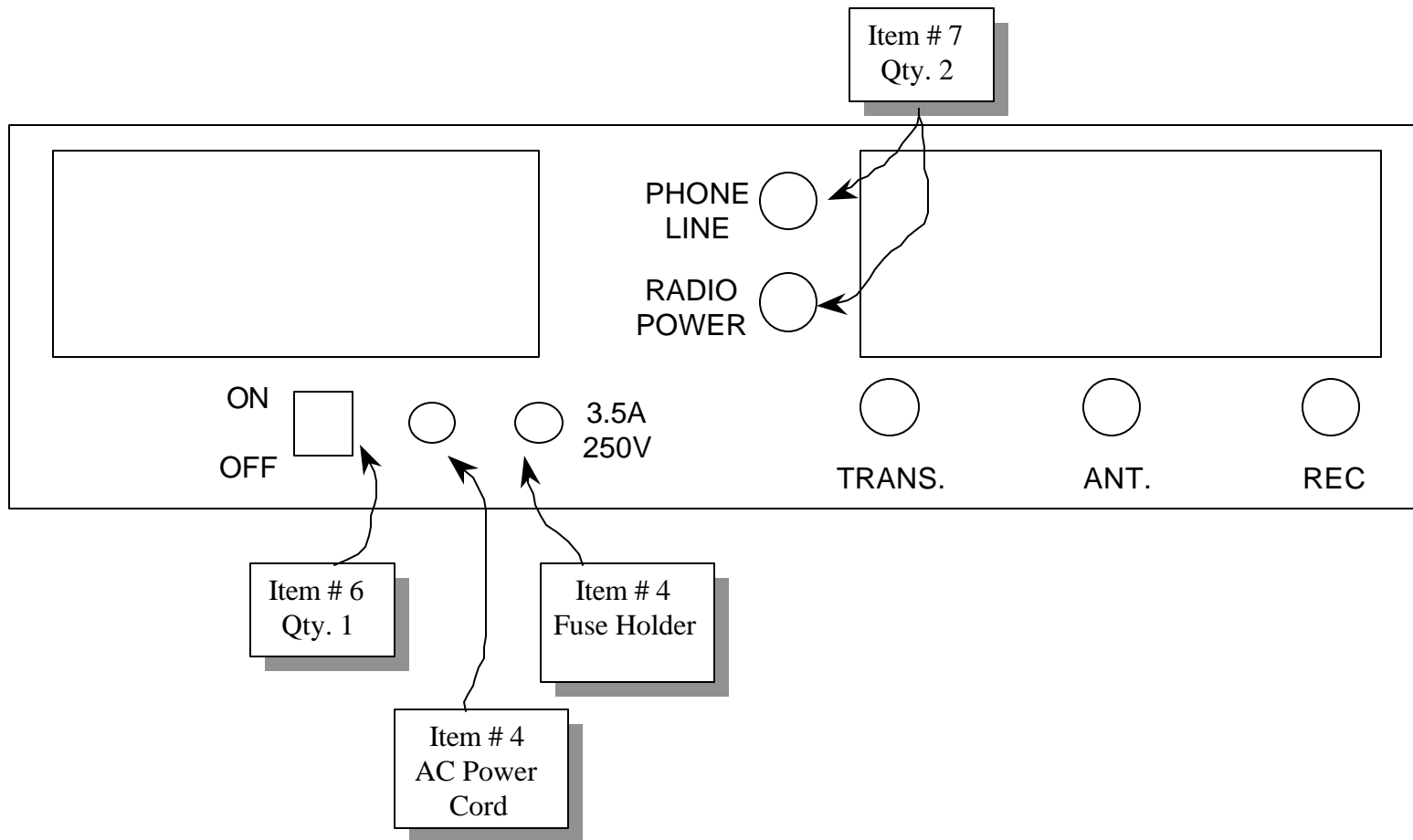
# Mount AMX725Z to HZ058



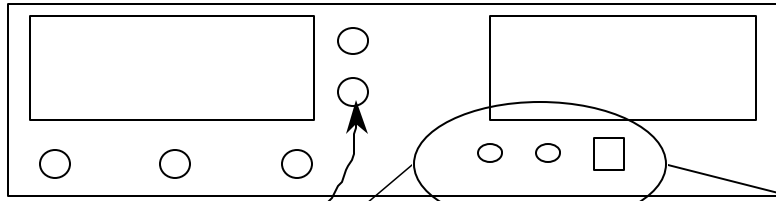
# Inside Front View



# Back View

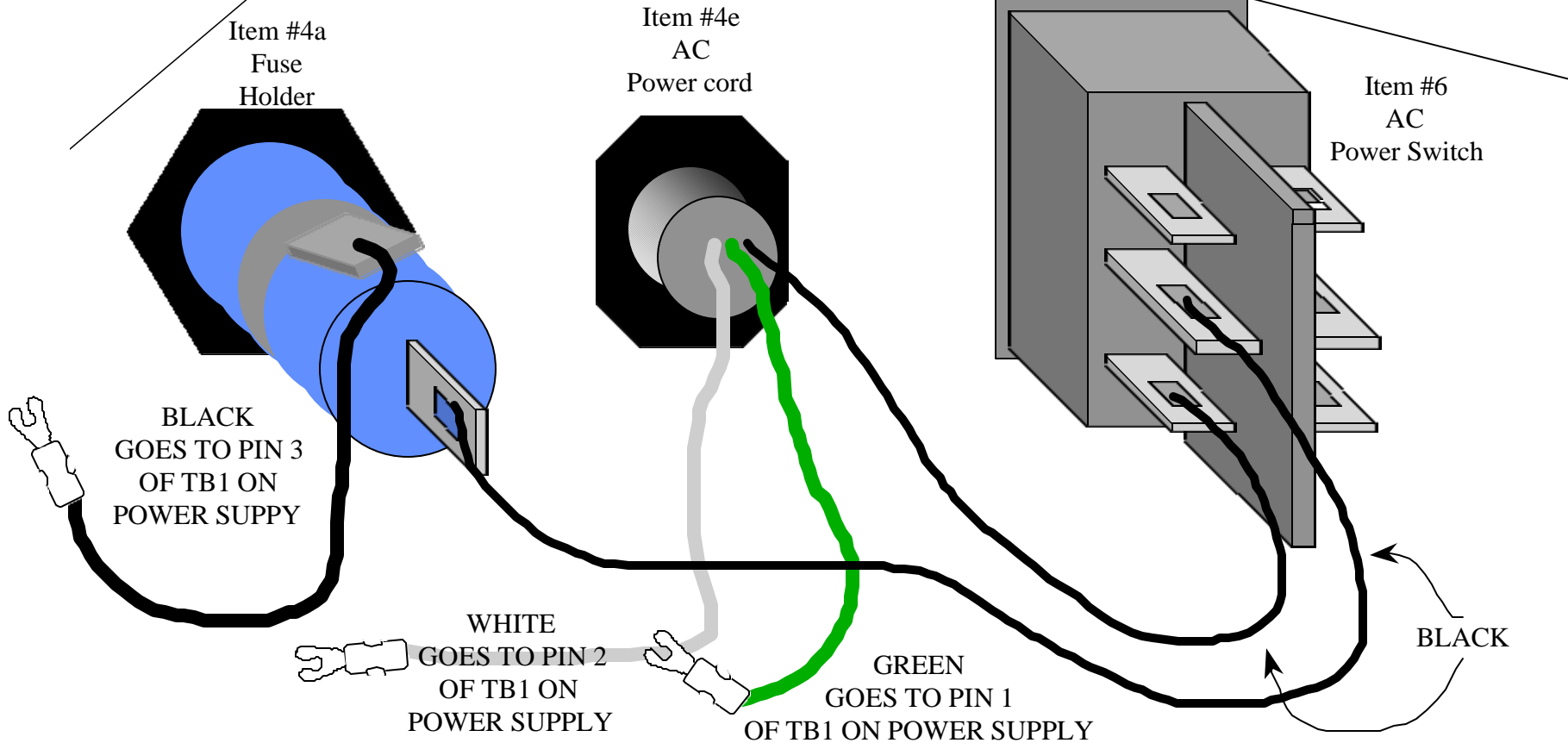


# Inside-Back View

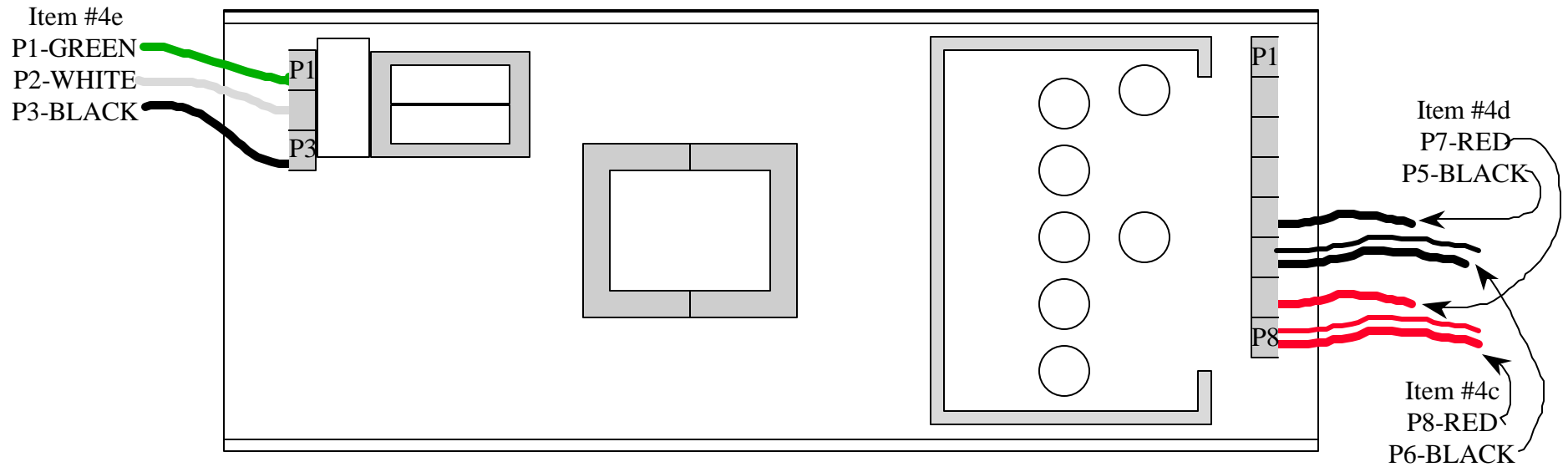


Push Items #4c & d  
DC Power cords  
through, terminals first

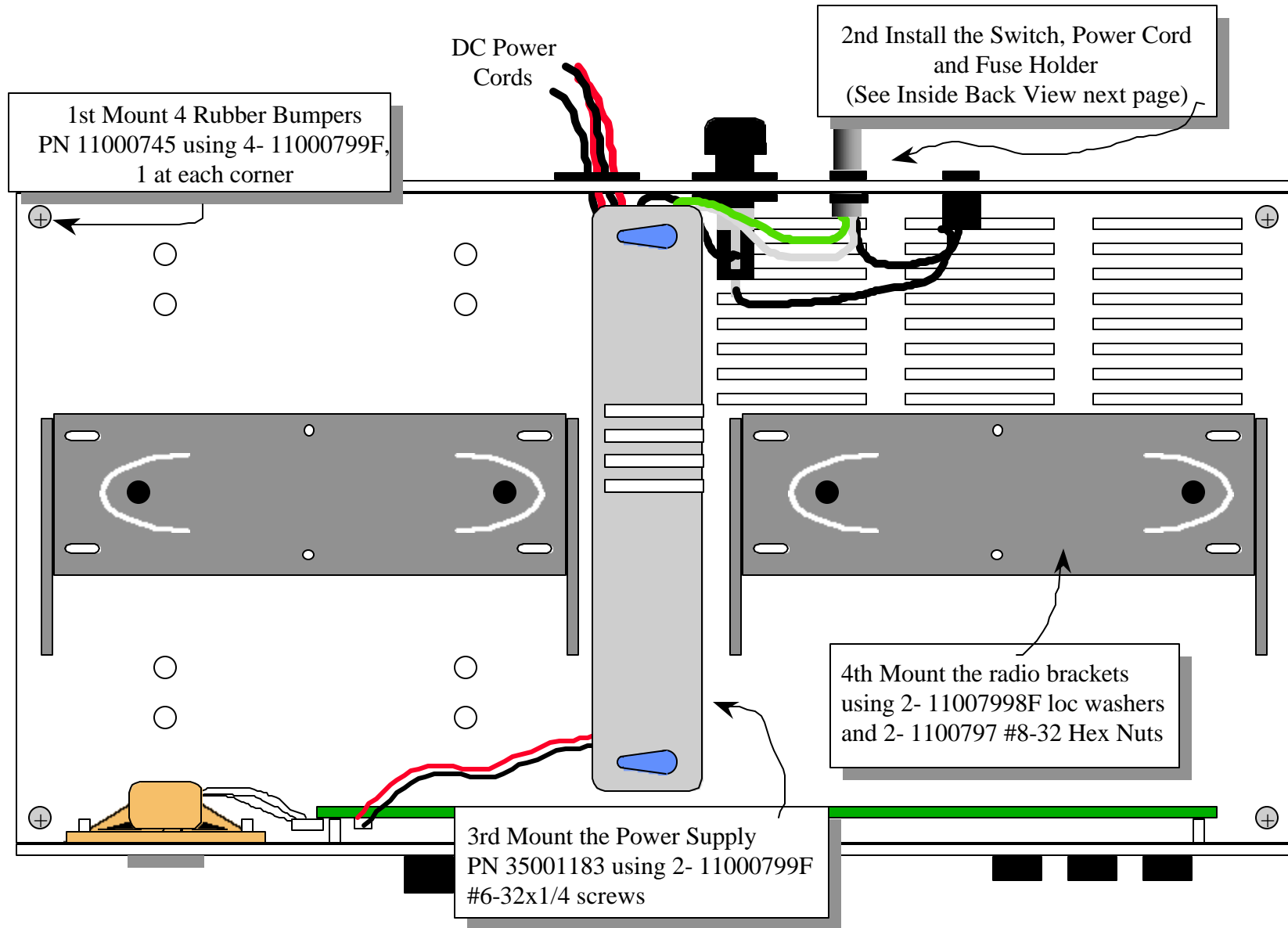
PLEASE NOTE THAT THE POWER CORD AND FUSE HOLDER  
COME WITH TERMINALS ON THE WIRES. THERE WERE CHANGES  
MADE DUE TO THE DIFFERENCE IN THE ON/OFF SWITCH, SO, YOU  
MIGHT HAVE TO SOLDER THE WIRES TO THE SWITCH AND COVER  
WITH HEAT SHRINK.



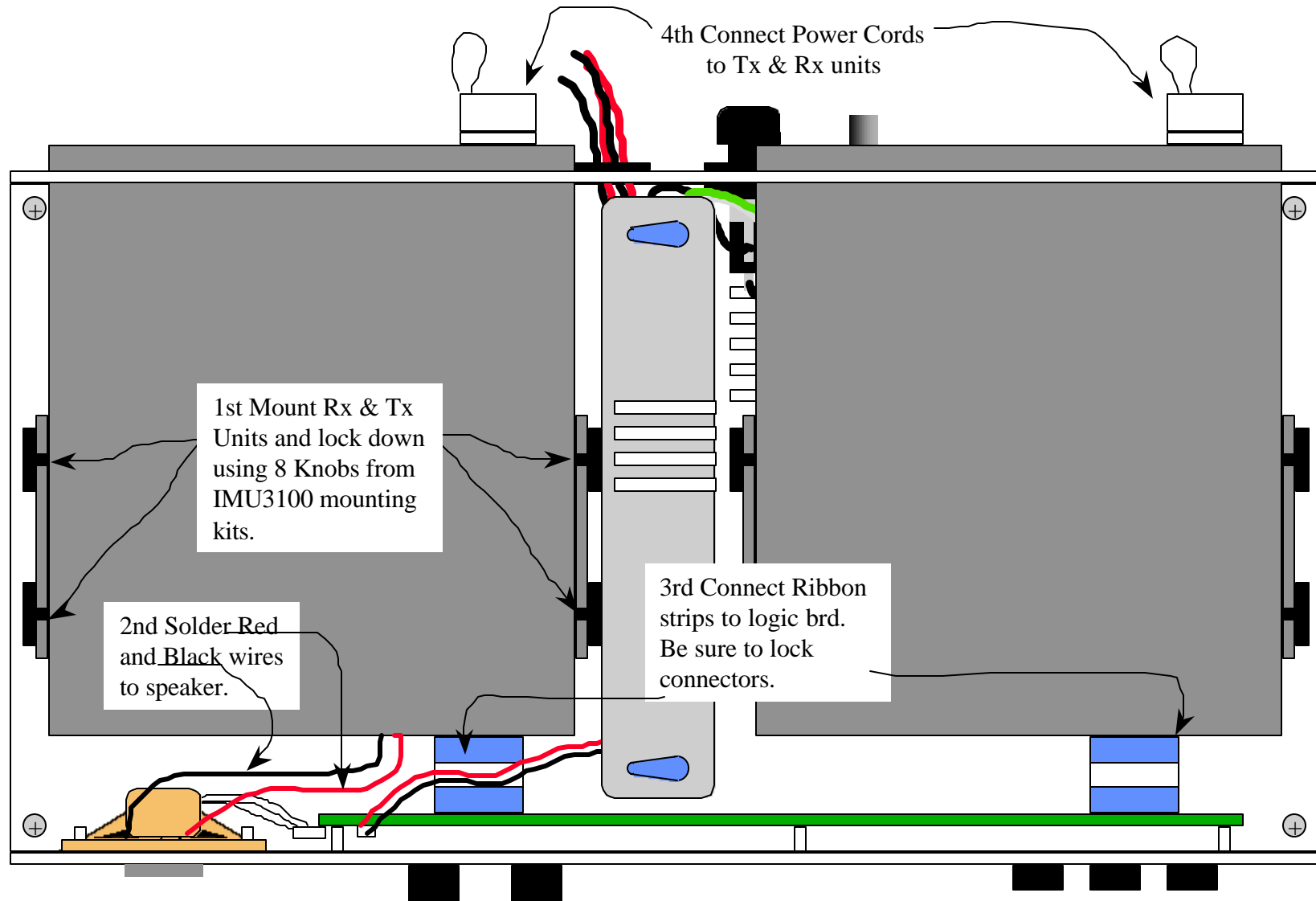
# Wiring the Power Supply



# Inside Bottom View



# Mounting Tx & Rx Modules



# Finalize

- Send to Test
- Mount cover using 12pcs SSCW320604BF  
3 on each side / 3 on top / 3 on back
- Pack with AMX100A, Rack Mount  
Brackets and Mic clip (us from IMU3100)  
using ARX320 box w/die cut foam just like  
MRS804 series