

NUF6428B and NUF6430A 800MHz Transceiver Board Schematic Diagram

Parts List

NCN6143C Controller Board

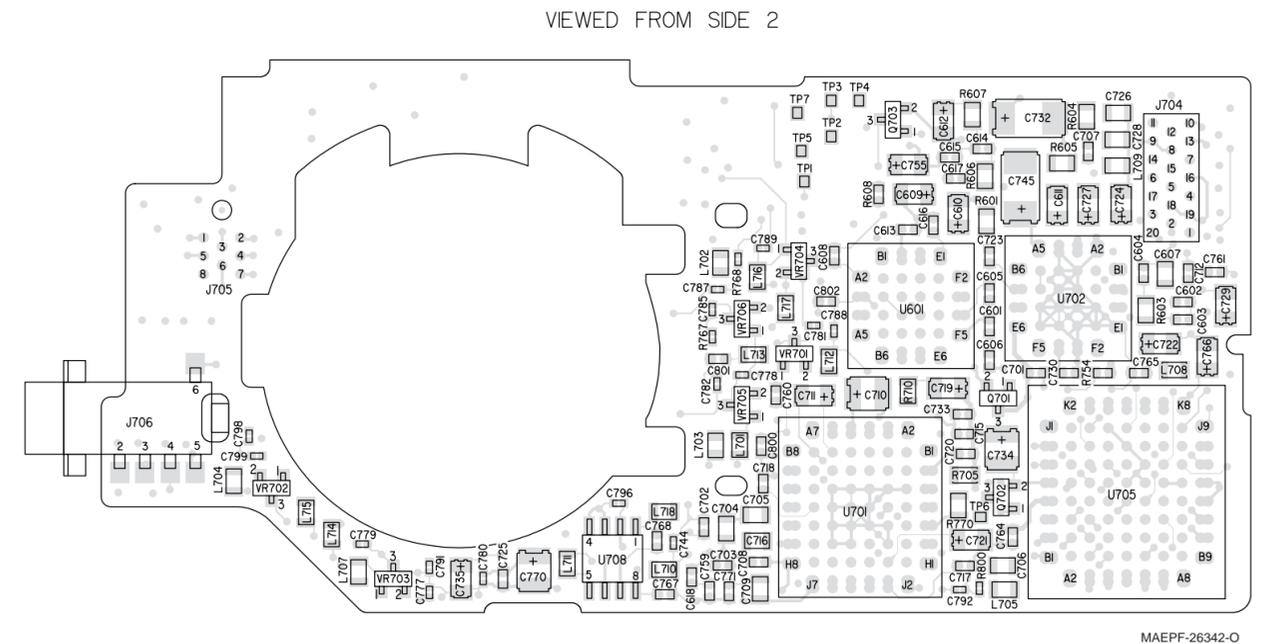
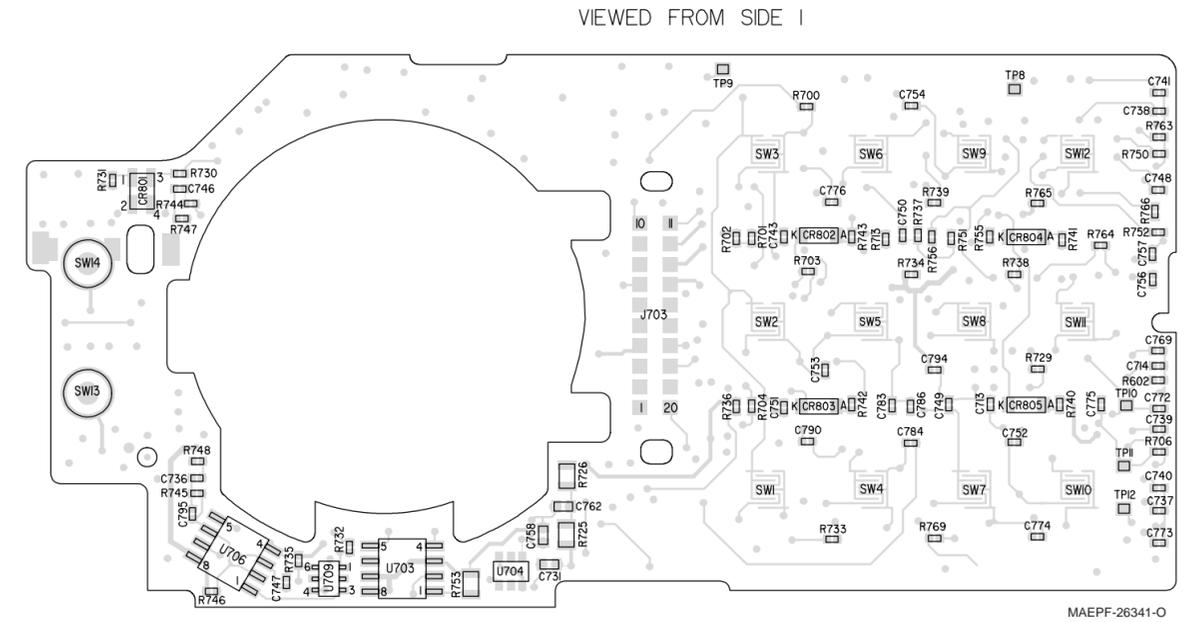
REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
		CAPACITOR, Fixed: pF ±5%; 50V unless stated
C601	2113743K15	0.1µF
C602, C603, C604	2113741F37	3.3nF
C605, C606	2113743K15	0.1µF
C607	2113743A23	0.22µF
C608	2113743K15	0.1µF
C609, C610	2311049A04	0.33µF
C611, C612	2311049A42	3.3µF
C613	2113741F17	470pF
C614	2113741F49	10nF
C615	2113741F17	470pF
C616	2113743K15	0.1µF
C617	2113741F49	10nF
C618	2113743K15	0.1µF
C701	2113743K15	0.1µF
C702, C703	2113743E07	.022µF
C704, C705, C706	2113743A19	0.1µF
C707	2113741F17	470pF
C708	2113741F49	10nF
C709	2113743A23	0.22µF
C710	2311049J11	4.7µF
C711	2311049A07	1µF
C712	2113743K15	0.1µF
C713, C714	2113743N50	100pF
C715	2113743K15	0.1µF
C716	2113743F08	0.22µF
C717, C718	2113743K15	0.1µF
C719	2311049A01	0.1µF
C720	2113741F49	10nF
C721, C722	2311049A01	0.1µF
C723	2113743K15	0.1µF
C724	2311049A07	1µF
C725	2113743K15	0.1µF
C726	2113743F12	0.33µF
C727	2311049A07	1µF
C728	2113743F12	0.33µF
C729	2311049A07	1µF
C730	2113741F41	4.7nF
C731	2113741F49	10nF
C732	2311049J26	10µF
C733	2113741F49	10nF
C734	2311049J11	4.7µF
C735	2311049A42	3.3µF
C736 thru C744	2113743N50	100pF
C745	2311049J37	33µF
C746 thru C754	2113743N50	100pF
C755	2311049A42	3.3µF
C756, C757	2113743N50	100pF
C758	2113743K15	0.1µF
C759	2113741F17	470pF
C760	2113741F49	10nF
C761	2113740F39	33pF
C762	2113741F49	.01µF
C764	2113741F49	10nF
C765	2113743K15	0.1µF
C766	2311049A42	3.3µF
C767	2113743K15	0.1µF
C768	2113741F49	10nF
C769	2113743N50	100pF
C770	2311049J23	10µF
C771	2113741F13	330pF
C772 thru C792	2113743N50	100pF
C794, C795, C796	2113743N50	100pF
C798, C799	2113743N38	33pF
C800	2113741F17	470pF
C801, C802	2113741F13	330pF

CR801	4805729G63	DIODE: Dual LED, Green/Red
CR802 thru CR805	4805279G38	LED
J703	-----	JACK: Circuit plating; 20 contacts; to P703 Cntrl Flex
J704	-----	Circuit plating; 20 contacts; to P704 on Interconnect Flex Assembly
J705	-----	Circuit plating; 8 contacts; to P705 on Display Flex
J706	0905307W02	Mini jack; 6 contacts; used with various accessories
L701	2462587Q42	COIL, RF: 0.39µH
L702, L703	2462587Q20	2.2µH
L704, L705	2462587Q42	0.39µH
L707	2462587Q42	0.39µH
L708, L709, L710	2462587Q42	0.39µH
L711	2462587Q47	1µH
L712 thru L717	2462587Q42	0.39µH
L718	2462587Q47	1µH
Q701	4802245J04	TRANSISTOR: PNP
Q702, Q703	4802393L01	MOSFET
R601	0662057G13	RESISTOR, Fixed: Ω±5% .0625W unless stated 100k
R602	0662057M78	1.5k
R603	0662057R60	10k
R604	0662057R30	1k
R605	0662057G13	100k
R606	0662057R92	47k
R607	0662057G13	100k
R608	0662057A81	22k
R700	0662057M90	4.7k
R701	0662057M66	470
R702, R703	0662057M81	2k
R704	0662057M66	470
R705	0662057R92	47k
R706	0662057M98	10k
R710	0662057R92	47k
R713	0662057M50	100
R725	0662057G07	75k
R726	0662057G08	82.5k
R729	0662057M98	10K
R730, R731	0662057M54	150
R732, R733, R734	0662057M98	10k
R735	0662057M90	4.7k
R736	0662057M98	10k
R737	0662057M98	10k
R738	0662057M90	4.7k
R739	0662057M98	10k
R740 thru R743	0662057M54	150
R744	0662057M81	2k
R745	0662057M90	4.7K
R746	0662057N19	68K
R747	0662057N06	20k
R748	0662057M98	10k
R750	0662057M81	2k
R751, R752	0662057M98	10k
R753	0662057R60	10k
R754	0662057B47	0
R755, R756	0662057M98	10k
R763	0662057M90	4.75k
R764, R765, R766	0662057M98	10k
R767, R768, R769	0662057M50	100
R770	0660076A41	470
R800	0662057M81	2k
S1 thru S12	See Switch Note	SWITCH: 3 x 4 DTMF Keypad
S13, S14	3905426X01	Snapdome popples

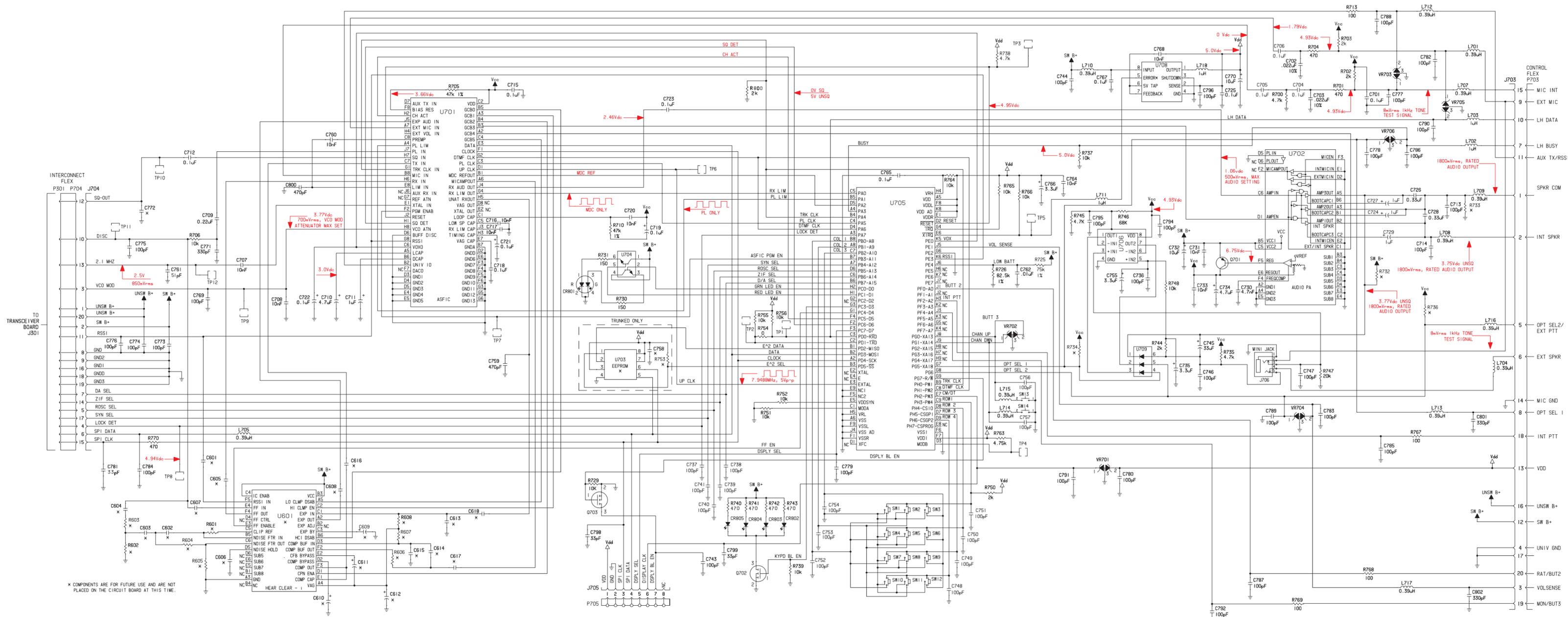
U601	5105662U60	MODULE: Hear Clear
U701	5105662U50	Audio Signalling Filter (ASFIC)
U702	5105662U62	Audio PA
U703	5105462G76	EEPROM
U704	4805921T07	Dual Transistor Package
U705	5105835U24	Microcontroller
U706	5105625U80	Comparator
U708	5105469E65	5V Regulator
U709	4802233J09	Triple Diode Array
VR701, VR702	4805117Y01	DIODE, Zener: Dual zener
VR703	4805117Y01	Dual zener
VR704 thru VR706	4805117Y01	Dual zener

Switch Note: Push-actuated switch; contact is made with mechanical parts and circuit plating. Refer to exploded view and exploded view parts list for part numbers and description.

Note: "Not placed" means that components are for future use and are not placed on the circuit board at this time.



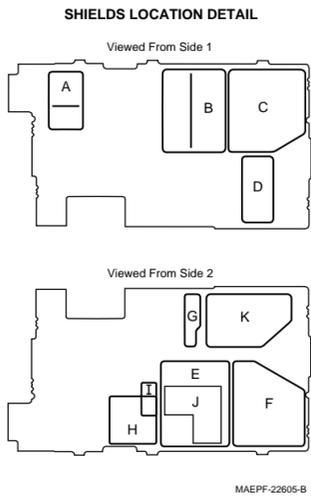
NCN6143C Controller Board Parts List and Component Location Diagrams



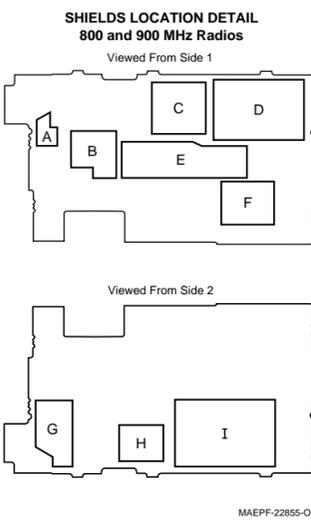
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NCN6143C
Controller Board Schematic Diagram

Shields Location Detail VHF and UHF Radios



Shields Location Detail 800MHz Radios



Shields Parts List VHF and UHF Radios

ITEM	MOTOROLA PART NUMBER	DESCRIPTION
A	2602661J01 OR, 2602660J01	SHIELD, Varactor Filter (VHF) SHIELD, Varactor Filter (UHF)
B	2602657J01	SHIELD, VCO Front
C	2602658J01	SHIELD, Ref. Oscillator
D	2602659J01	SHIELD, IF
E	2602674J01	SHIELD, VCO Back
F	2602675J01	SHIELD Synthesizer
G	2602680J01	SHIELD, AGC
H	2602815X01	SHIELD, Fixed Tuned Filter (VHF)
I	2602686J01	SHIELD, Coil (UHF)
J	2602819X02	FOIL, Aluminum; with adhesive and paper backing
K	2602832X01	SHIELD, ZIF Back

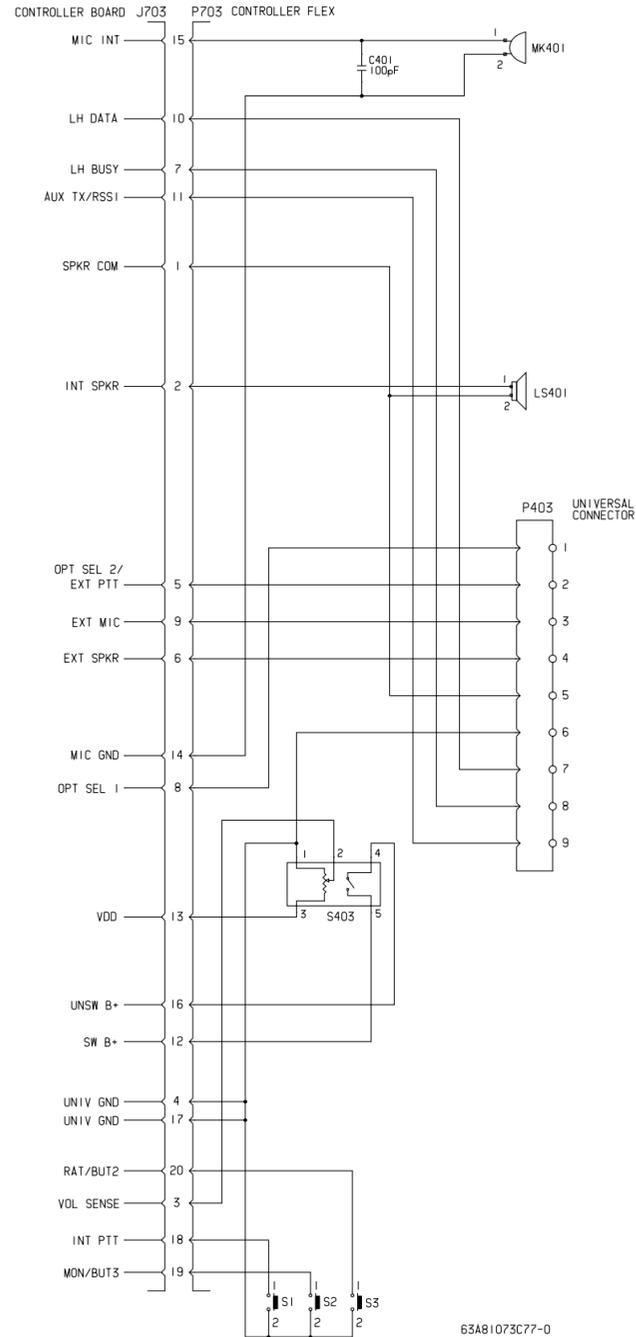
Shields Parts List 800MHz Radios

ITEM	MOTOROLA PART NUMBER	DESCRIPTION
A	2605634V01	SHIELD, Antenna
B	2605484W01	SHIELD, 3-Pole Filter
C	2605540W01	SHIELD, Loop Filter
D	2605890U01	SHIELD, VCO
E	2605541W01	SHIELD, Crystal/Transformer
F	2605261V01	SHIELD ZIF
G	2605260V01	SHIELD, Antenna
H	2605259V0101	SHIELD, Diode
I	2605258V0101	SHIELD, Synthesizer

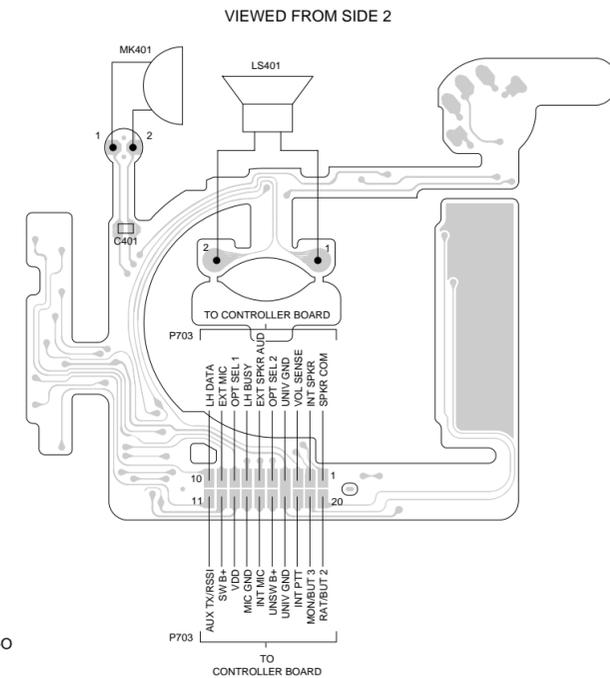
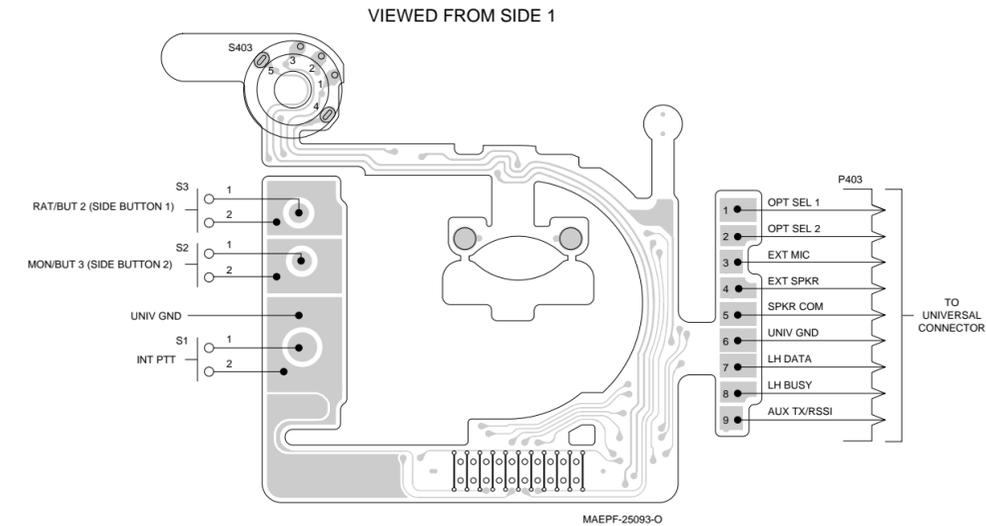
- From P403
- ① — Option Select 1
 - ② — Option Select 2 / External PTT
 - ③ — External Microphone
 - ④ — External Speaker
 - ⑤ — Speaker Common
 - ⑥ — Ground
 - ⑦ — Data
 - ⑧ — Busy
 - ⑨ — Auxiliary Transmit / RSSI

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Controls Flex Schematic



Controls Flex



Electrical Parts List Controls Flex

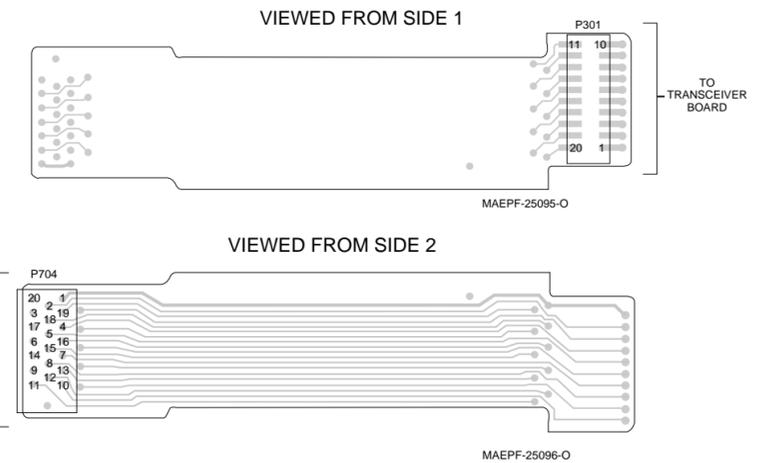
REFERENCE SYMBOL	MOTOROLA PART NUMBER	DESCRIPTION
C401	2113740F51	CAPACITOR, Fixed: 100pF ±5%; 50V
LS401	5005256W01	SPEAKER: 24 Ohm
MK401	5005227J07	MICROPHONE: Miniature Electret, Noise Cancelling
P403	-----	PLUG: Universal Connector, 9 pins; not field repairable, order Front Cover
P703	-----	Circuit Plating, 20 contacts on Controls Flex (to J703 on Controller Board)
*S1	3905386W01	SWITCH: PTT
*S2	3905468X01	Side button 2
*S3	3905468X01	Side button 3
S403	1805642V01	On/off volume control

Electrical Parts List Miscellaneous

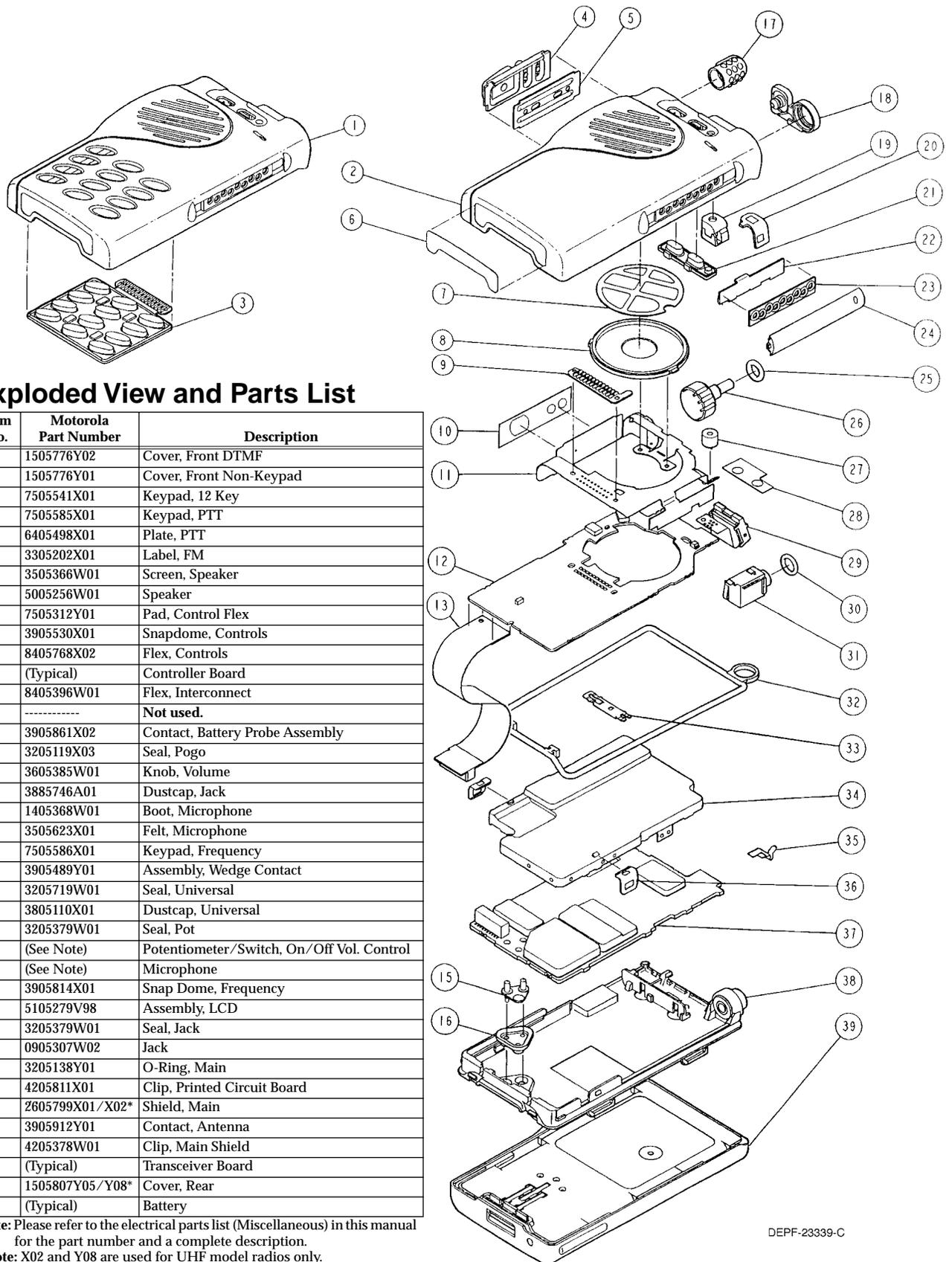
REFERENCE SYMBOL	MOTOROLA PART NUMBER	DESCRIPTION
P301	-----	Circuit plating, 20 contacts on Interconnect Flex Assembly to Transceiver Board
P704	-----	Circuit plating, 20 contacts on Interconnect Flex Assembly to Controller Board
P705	-----	Circuit plating, 8 contacts on Display Flex Assembly to Controller Board
P705	-----	Circuit plating, 8 contacts on Display Flex Assembly to Controller Board

* Push-actuated switch; contact is made with mechanical parts and circuit plating. Refer to exploded view and parts list for part numbers and description.

Interconnect Flex



Shields Location Detail and Parts List, Universal (Accessory) Connector Pin Numbers and Signal Assignments, Controls Flex Schematic, Controls Flex and Parts List, Interconnect Flex, and Miscellaneous Parts List



Exploded View and Parts List

Item No.	Motorola Part Number	Description
1	1505776Y02	Cover, Front DTMF
2	1505776Y01	Cover, Front Non-Keypad
3	7505541X01	Keypad, 12 Key
4	7505585X01	Keypad, PTT
5	6405498X01	Plate, PTT
6	3305202X01	Label, FM
7	3505366W01	Screen, Speaker
8	5005256W01	Speaker
9	7505312Y01	Pad, Control Flex
10	3905530X01	Snapdome, Controls
11	8405768X02	Flex, Controls
12	(Typical)	Controller Board
13	8405396W01	Flex, Interconnect
14	-----	Not used.
15	3905861X02	Contact, Battery Probe Assembly
16	3205119X03	Seal, Pogo
17	3605385W01	Knob, Volume
18	3885746A01	Dustcap, Jack
19	1405368W01	Boot, Microphone
20	3505623X01	Felt, Microphone
21	7505586X01	Keypad, Frequency
22	3905489Y01	Assembly, Wedge Contact
23	3205719W01	Seal, Universal
24	3805110X01	Dustcap, Universal
25	3205379W01	Seal, Pot
26	(See Note)	Potentiometer/Switch, On/Off Vol. Control
27	(See Note)	Microphone
28	3905814X01	Snap Dome, Frequency
29	5105279V98	Assembly, LCD
30	3205379W01	Seal, Jack
31	0905307W02	Jack
32	3205138Y01	O-Ring, Main
33	4205811X01	Clip, Printed Circuit Board
34	2605799X01/X02*	Shield, Main
35	3905912Y01	Contact, Antenna
36	4205378W01	Clip, Main Shield
37	(Typical)	Transceiver Board
38	1505807Y05/Y08*	Cover, Rear
39	(Typical)	Battery

Note: Please refer to the electrical parts list (Miscellaneous) in this manual for the part number and a complete description.
***Note:** X02 and Y08 are used for UHF model radios only.

DEPF-23339-C

Model History Tables

The following tables include all the VISAR models from the inception of the product line. The present replacement board kits and codeplugs are shown for each model.

Table 11-1. VHF Models (136 — 178MHz)

Model Number	Transceiver Board	Controller Board	Description	Replacements		
				Transceiver Board	Controller Board	Codeplug
H05KDD9AA4AN	NUD7074A	NTN7402A	16-Freq., 2-Character Top Display, 5- to 1- Watt, No Keypad	NUD7074C	*NTN7402A	D64W
H05KDD9AA4BN	NUD7074B	NCN6114A	16-Freq., 2-Character Top Display, 5- to 1- Watt, No Keypad	NUD7074C	NCN6114A	D64W
H05KDD9AA4DN	NUD7074C	NCN6114B	16-Freq., 2-Character Top Display, 5- to 1- Watt, No Keypad	NUD7074C	NCN6143C	D64W
H05KDD9AA4DN	NUD7074C	NCN6139A	16-Freq., 2-Character Top Display, 5- to 1- Watt, No Keypad	NUD7074C	NCN6143C	D64W
H05KDD9AA4DN	NUD7093A	NCN6142A	16-Freq., 2-Character Top Display, 5- to 1- Watt, No Keypad	NUD7093B	NCN6143C	F91P-3
H05KDD9AA4DN	NUD7093B	NCN6142B	16-Freq., 2-Character Top Display, 5- to 1- Watt, No Keypad	NUD7093B	NCN6143C	F91P-3
H05KDD9AA4DN	NUD7093B	NCN6143C	16-Freq., 2-Character Top Display, 5- to 1- Watt, No Keypad	NUD7093B	NCN6143C	F91P-3
H05KDH9AA7AN	NUD7074A	NTN7402A	16-Freq., 2-Character Top Display, 5- to 1- Watt, Keypad	NUD7074C	*NTN7402A	D64W
H05KDH9AA7BN	NUD7074B	NCN6114A	16-Freq., 2-Character Top Display, 5- to 1- Watt, Keypad	NUD7074C	NCN6114A	D64W
H05KDH9AA7DN	NUD7074C	NCN6114B	16-Freq., 2-Character Top Display, 5- to 1- Watt, Keypad	NUD7074C	NCN6143C	D64W
H05KDH9AA7DN	NUD7074C	NCN6139A	16-Freq., 2-Character Top Display, 5- to 1- Watt, Keypad	NUD7074C	NCN6143C	D64W
H05KDH9AA7DN	NUD7093A	NCN6142A	16-Freq., 2-Character Top Display, 5- to 1- Watt, Keypad	NUD7093B	NCN6143C	F91P-3
H05KDH9AA7DN	NUD7093B	NCN6142B	16-Freq., 2-Character Top Display, 5- to 1- Watt, Keypad	NUD7093B	NCN6143C	F91P-3
H05KDH9AA7DN	NUD7093B	NCN6143C	16-Freq., 2-Character Top Display, 5- to 1- Watt, Keypad	NUD7093B	NCN6143C	F91P-3

*When the supply of NTN7402A is depleted, you will need to order NCN6114A (for VHF and 800MHz models) or NCN6134A (for UHF models), together with one of the following replacement housing kits: NHN6722A (for Keypad models) or NHN6723A (for Non-Keypad models).

Table 11-2. UHF Models (403 — 470MHz)

Model Number	Transceiver Board	Controller Board	Description	Replacements		
				Transceiver Board	Controller Board	Codeplug
H05RDD9AA4AN	NUE7220A	NTN7402A	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7220C	*NTN7402A	D64W
H05RDD9AA4BN	NUE7220A	NCN6114A	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7220C	NCN6134A	D64W
H05RDD9AA4BN	NUE7220B	NCN6134A	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7220C	NCN6134A	D64W
H05RDD9AA4DN	NUE7220C	NCN6134B	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7220C	NCN6143C	D64W
H05RDD9AA4DN	NUE7269A	NCN6143A	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7269B	NCN6143C	F91P-3
H05RDD9AA4DN	NUE7269B	NCN6143B	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7269B	NCN6143C	F91P-3
H05RDD9AA4DN	NUE7269B	NCN6143C	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7269B	NCN6143C	F91P-3
H05RDH9AA7AN	NUE7220A	NTN7402A	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7220C	*NTN7402A	D64W
H05RDH9AA7BN	NUE7220A	NCN6114A	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7220C	NCN6134A	D64W
H05RDH9AA7BN	NUE7220B	NCN6134A	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7220C	NCN6134A	D64W
H05RDH9AA7DN	NUE7220C	NCN6134B	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7220C	NCN6143C	D64W
H05RDH9AA7DN	NUE7269A	NCN6143A	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7269B	NCN6143C	F91P-3
H05RDH9AA7DN	NUE7269B	NCN6143B	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7269B	NCN6143C	F91P-3
H05RDH9AA7DN	NUE7269B	NCN6143C	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7269B	NCN6143C	F91P-3

*When the supply of NTN7402A is depleted, you will need to order NCN6114A (for VHF and 800MHz models) or NCN6134A (for UHF models), together with one of the following replacement housing kits: NHN6722A (for Keypad models) or NHN6723A (for Non-Keypad models).

Model History Tables

Table 11-3. UHF Models (450 — 520MHz)

Model Number	Transceiver Board	Controller Board	Description	Replacements		
				Transceiver Board	Controller Board	Codeplug
H05SDD9AA4AN	NUE7221A	NTN7402A	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7221C	*NTN7402A	D64W
H05SDD9AA4BN	NUE7221A	NCN6114A	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7221C	NCN6134A	D64W
H05SDD9AA4BN	NUE7221B	NCN6134A	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7221C	NCN6134A	D64W
H05SDD9AA4DN	NUE7221C	NCN6134B	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7221C	NCN6143C	D64W
H05SDD9AA4DN	NUE7270A	NCN6143A	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7270B	NCN6143C	F91P-3
H05SDD9AA4DN	NUE7270B	NCN6143B	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7270B	NCN6143C	F91P-3
H05SDD9AA4DN	NUE7270B	NCN6143C	16-Freq., 2-Character Top Display, 4- to 1- Watt, No Keypad	NUE7270B	NCN6143C	F91P-3
H05SDH9AA7AN	NUE7221A	NTN7402A	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7221C	*NTN7402A	D64W
H05SDH9AA7BN	NUE7221A	NCN6114A	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7221C	NCN6134A	D64W
H05SDH9AA7BN	NUE7221B	NCN6134A	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7221C	NCN6134A	D64W
H05SDH9AA7DN	NUE7221C	NCN6134B	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7221C	NCN6143C	D64W
H05SDH9AA7DN	NUE7270A	NCN6143A	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7270B	NCN6143C	F91P-3
H05SDH9AA7DN	NUE7270B	NCN6143B	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7270B	NCN6143C	F91P-3
H05SDH9AA7DN	NUE7270B	NCN6143C	16-Freq., 2-Character Top Display, 4- to 1- Watt, Keypad	NUE7270B	NCN6143C	F91P-3

*When the supply of NTN7402A is depleted, you will need to order NCN6114A (for VHF and 800MHz models) or NCN6134A (for UHF models), together with one of the following replacement housing kits: NHN6722A (for Keypad models) or NHN6723A (for Non-Keypad models).

Table 11-4. 806 — 866MHz Models

Model Number	Transceiver Board	Controller Board	Description	Replacements		
				Transceiver Board	Controller Board	Codeplug
H05UCD6AA4AN	NUF6428A	NTN7402A	16-Frequency, 2-Character Top Display, 3- Watt, No Keypad	NUF6428A	*NTN7402A	D64W
H05UCD6AA4BN	NUF6428A	NCN6114A	16-Frequency, 2-Character Top Display, 3- Watt, No Keypad	NUF6428A	NCN6114A	D64W
H05UCD6AA4DN	NUF6428A	NCN6114B	16-Frequency, 2-Character Top Display, 3- Watt, No Keypad	NUF6428A	NCN6143C	D64W
H05UCD6AA4DN	NUF6505A	NCN6154A	16-Frequency, 2-Character Top Display, 3- Watt, No Keypad	NUF6505B	NCN6143C	F91P-3
H05UCD6AA4DN	NUF6505B	NCN6154B	16-Frequency, 2-Character Top Display, 3- Watt, No Keypad	NUF6505B	NCN6143C	F91P-3
H05UCD6AA4DN	NUF6505B	NCN6143C	16-Frequency, 2-Character Top Display, 3- Watt, No Keypad	NUF6505B	NCN6143C	F91P-3
H05UCH6AA7AN	NUF6428A	NTN7402A	16-Frequency, 2-Character Top Display, 3- Watt, Keypad	NUF6428A	*NTN7402A	D64W
H05UCH6AA7BN	NUF6428A	NCN6114A	16-Frequency, 2-Character Top Display, 3- Watt, Keypad	NUF6428A	NCN6114A	D64W
H05UCH6AA7DN	NUF6428A	NCN6114B	16-Frequency, 2-Character Top Display, 3- Watt, Keypad	NUF6428A	NCN6143C	D64W
H05UCH6AA7DN	NUF6505A	NCN6154A	16-Frequency, 2-Character Top Display, 3- Watt, Keypad	NUF6505B	NCN6143C	F91P-3
H05UCH6AA7DN	NUF6505B	NCN6154B	16-Frequency, 2-Character Top Display, 3- Watt, Keypad	NUF6505B	NCN6143C	F91P-3
H05UCH6AA7DN	NUF6505B	NCN6143C	16-Frequency, 2-Character Top Display, 3- Watt, Keypad	NUF6505B	NCN6143C	F91P-3
H05UCD6CB1AN	NUF6428A	NTN7404A	4 Sys, 4 Talkgrps, 2-Char. Top Dsply, 3- Watt, Trunked, No Keypd	NUF6428A	**NTN7404A	D64W
H05UCD6CB1BN	NUF6428A	NCN6116A	4 Sys, 4 Talkgrps, 2-Char. Top Dsply, 3- Watt, Trunked, No Keypd	NUF6428A	NCN6120A	D64W
H05UCD6CF1AN	NUF6428A	NCN6097A	4 Sys, 4 Talkgrps, 2-Char. Top Dsply, 3- Watt, Trunked, No Keypd	NUF6428A	**NCN6097A	D64W
H05UCD6CF1BN	NUF6428A	NCN6119A	4 Sys, 4 Talkgrps, 2-Char. Top Dsply, 3- Watt, Trunked, No Keypd	NUF6428A	NCN6119A	D64W
H05UCD6DB4AN	NUF6428A	NTN7404A	4 Sys, 4 Talkgrps, 2-Char. Top Dsply, 3-W, Trnkcd, PLUS, No Keypd	NUF6428A	**NTN7404A	D64W
H05UCD6DB4BN	NUF6428A	NCN6120A	4 Sys, 4 Talkggs, 2-Char. Top Dsply, 3-W, Trunkd, PLUS, No Keypd	NUF6428A	NCN6120A	D64W
H05UCH6DB7AN	NUF6428A	NTN7404A	4 Sys, 4 Talkgrps, 2-Char. Top Display, 3-W, Trunkd, PLUS, Keypad	NUF6428A	**NTN7404A	D64W
H05UCH6DB7BN	NUF6428A	NCN6120A	4 Sys, 4 Talkgrps, 2-Char. Top Display, 3-W, Trunkd, PLUS, Keypad	NUF6428A	NCN6120A	D64W

*When the supply of NTN7402A is depleted, you will need to order NCN6114A (for VHF and 800MHz models) or NCN6134A (for UHF models), together with one of the following replacement housing kits: NHN6722A (for Keypad models) or NHN6723 (for Non-Keypad models).

**The original controller boards (NTN7404A and NCN6097A) are no longer available. You will need to order the following replacement kits:

- For H05UCD6CB1AN, order NCN6120A controller board kit with NHN6723A housing kit;
- For H05UCD6CF1AN, order NCN6119A controller board kit with NHN6723A housing kit;
- For H05UCD6DB4AN, order NCN6120A controller board kit with NHN6729A housing kit;
- For H05UCH6DB7AN, order NCN6120A controller board kit with NHN6730A housing kit.

Table 11-5. 896 — 941MHz Models

Model Number	Transceiver Board	Controller Board	Description	Replacements		
				Transceiver Board	Controller Board	Codeplug
H05WCD4CB1AN	NUF6430A	NTN7403A	4 Systems, 4 Talkgroups, 2-Character Top Display, 2.9-Watt	NUF6430A	***NTN7403A	D64W
H05WCD4CB1BN	NUF6430A	NCN6115A	4 Systems, 4 Talkgroups, 2-Character Top Display, 2.9-Watt	NUF6430A	NCN6115A	D64W

***The original controller board (NTN7403A) is no longer available. You will need to order NCN6115A, together with NHN6723A replacement housing kit for Non-Keypad models.

SERVICE MANUAL QUESTIONNAIRE

We believe that reports from users provide valuable information for producing quality manuals. By taking a few moments to answer the following questions as they relate to this specific manual, you can take an active role in the continuing effort to ensure that our manuals contain the most accurate and complete information of benefit to you. Thank you for your cooperation.

In reference to Manual Number: 68P81073C75-C

VISAR™ Service with Theory/Maintenance

1. Please check all the appropriate boxes:

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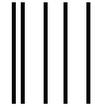
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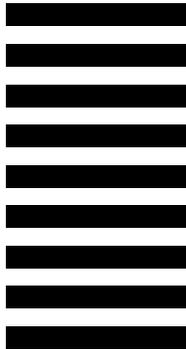
5. We would appreciate any corrections or recommendations for improving this manual. Please include the specific page number(s) of the diagram or procedure in question.

- a. Model/Option Charts:(Page No. _____)
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- c. Test Equipment and Service Aids:(Page No. _____)

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