This Manual is provided by

CBTricks.com

Someone who wanted to help you repair your equipment scanned this manual.

If you would like to help us put more manuals online support us.

Supporters of CBTricks.com paid for the hosting so you would have this file.

CBTricks.com is a non-commercial personal website was created to help promote the exchange of service, modification, technically oriented information, and historical information aimed at the Citizens Band, GMRS (CB "A" Band), MURS, Amateur Radios and RF Amps.

CBTricks.com is not sponsored by or connected to any Retailer, Radio, Antenna Manufacturer or Amp Manufacturer, or affiliated with any site links shown in the links database. The use of product or company names on my web site is not endorsement of that product or company.

If your company would like to provide technical information to be featured on this site I will put up on the site as long as I can do it in a non-commercial way.

The site is supported with donation from users, friends and selling of the Galaxy Service Manual CD to cover some of the costs of having this website on the Internet instead of relying on banner ads, pop-up ads, commercial links, etc. to pay my costs. Thus I do not accept advertising banners or pop-up/pop-under advertising or other marketing/sales links or gimmicks on my website.

ALL the money from donations is used for CBTricks.com I didn't do all the work to make money (I have a day job). This work was not done for someone else to make money also, for example the ebay CD sellers.

All Trademarks, Logos, and Brand Names are the property of their respective owners. This information is not provided by, or affiliated in any way with any radio or antenna Manufacturers.

Thank you for any support you can give.

SERVICE MANUAL REVISIONS

ENGINEERING CHANGES

REVISION B

Component ³ Changed	Schematic Location	From To	New Part Number	Reason for Change
C22	C6	2.2 μF 6.8 μF	510-2045-689	Self modulation
R3	A7	1. 2K 4. 7K	569-1004-472	Improved AGC
U1	Al	Remove pin 6		Improved AGC
U3	A5	Remove pin 1 and 2		Improved AGC
Components Added	Schematic Location	Description	New Part Number	Reason for Change
CR11	A2	Delayed AGC diode	523-1000-067	Improved AGC
CR12	A6	Delayed AGC diode	523-1000-067	Improved AGC
R 4	A3	Q2 B+ resistor	569-1002-102	Improved AGC
R8	A5	Q4 resistor	569-1002-104	Improved AGC
C19	A2	Q1 emitter bypass capacitor	510-3003-103	Improved AGC
R19	A2	Q1 emitter resistor	569-1002-152	Improved AGC
C14	А3	Z4 bypass capacitor	510-3003-103	Improved AGC

Page 15

4.2.3 "B" Model Automatic Gain Control (AGC)

A sample of the second IF amplifier output is coupled by C5 to a rectifier filter network consisting of CR1, R3 and C6. This network develops a voltage (designated AGC1) which connects to the base of Q1. When the received signal level increases, a negative going voltage is applied to the base of Q1, which effectively reduces its gain. When Q1 gain is reduced, an amplified AGC voltage (designated AGC2) is coupled from the emitter of Q1 to squelch control R7, through diode CR11 to base of Q2, base of Q4 and through CR12 to base of Q5. This applied voltage effectively reduces the overall receiver gain and prevents overloading.

Diodes CR11 and CR12 delay the application of AGC2 voltage to the base of Q2 and Q5, allowing more positive squelch gate operation with weak received signal levels.

When the received signal level decreases, Q1 gain is increased, which in turn increases the gain of Q2, Q4 and Q5.

The end result of AGC1 and AGC2 action is a relatively constant audio output with varying RF signal inputs.

Page 21

b. AGC Troubleshooting

- 1. Measure the no signal input AGC voltage at the junction of R3 and C7. It should read approximately 1.0 VDC.
- 2. Increase the RF signal generator output from $1\,\mu V$ to $100,000\,\mu V$ while observing the audio output meter indication. Refer to Table 1 for typical AGC levels.
- 3. Isolate the AGC circuitry from the squelch stage by disconnecting the interconnecting lead from squelch control R7. This will separate squelch problems from defective AGC indications.
- 4. If the audio output meter indication does not follow the general trend of the data shown in Table 1, check Q1, CR1 CR11, CR12 and associated components.

Serial number stickers can be used as a guide to unit revisions but should not be considered absolutely accurate in every instance. For example, a D Model unit might not include every D Model change and an E Model unit might include an F Model change.

REVISION C

Components Changed	Schematic Location	From	То	New Part Number	Reason for Change
C4	A7	+80 -20%	±20%	510-3002-103	Availability
C7	•A7	+80 -20%	±20%	510-3002-103	Availability

REVISION D Components Changed Location From To Number Reason for Cl	CH3		Overlan	dummy	Reason for Change New overlay	
Components Changed Location From To New Part Number Reason for Cl	СНЗ		Overlay, upper	, dummy	New overlay	
Changed Location From To Number Reason for Cl.	REVISION	D				
CH4 (Overlay, lower) 5001 4002 559-2034-002 New overlay REVISION E Components Changed Location From To New Part Number Reason for Cl CH5 (Mounting plate) 1001 1003 016-1881-003 New Volume CH6 (Mounting plate) 1002 1004 016-1881-004 New Squelch Q7 C5 1014 1017 576-0001-017 Availability Q8 C7 1009 1017 576-0001-017 Availability U6 A8 2035 2015 544-0003-043 Availability U6 A8 2035 2015 544-0002-015 Availability Components Schematic Deleted Incorporated in U3 Incorpor	Components	Schematic			New Part	
Revision Revision Reason for Class Reason	Changed	Location	From	To	Number	Reason for Cha
Revision Revision Reason for Class Reason	CHA	(Overlay lower)	5001	4002	559-2054-002	New overlay
Components Changed Location From To Number Reason for Clanged Location From To Number Reason for Classification Rea		• • • • •				•
Changed Location From To Number Reason for Cl	REVISION E	1				
CH5	Components	Schematic			New Part	
CH6	Changed	Location	From	To	Number	Reason for Ch
Q7 C5 1014 1017 576-0001-017 Availability Q8 C7 1009 1017 576-0001-017 Availability U6 A8 2035 2015 544-0003-043 Availability Components Deleted Location Part Description Reason for Change Reason for Change R4 A3 1KΩ ±10%, 1/4 W Incorporated in U3 Improved reliability X105 Component sockets Improved reliability X107 Component sockets Improved reliability X107 Component sockets Improved reliability C14 A3 0.01 μF ±20%, Y5U 510-3002-103 New U3 Reason for Cl Components Schematic Location Part Description New Part Number Reason for Cl R2 A5 470 Ω 2.2 KΩ 562-0019-222 Insufficient IF Z4 A4 2001 4001 023-3254-001 Availability Components Added Schematic L	СН5	(Mounting plate)	1001	1003	016-1881-003	New Volume c
Q8 C7 1009 1017 576-0001-017 Availability U3 A5 3033 3043 544-0003-043 Availability Components Schematic Part Description Reason for Change R4 A3 IKΩ ±10%, 1/4 W Incorporated in U3 Incorporated in U	CH6	(Mounting plate)	1002	1004	016-1881-004	New Squelch c
Q8 C7 1009 1017 576-0001-017 Availability U6 A8 2035 2015 544-0003-043 Availability Components Deleted Location Part Description Reason for Change R4 A3 $1KΩ \pm 10\%$, $1/4 W$ Incorporated in U3 Inco	Q7	C5	1014	1017	576-0001-017	Availability
13		C7	1009	1017	576-0001-017	Availability
Components Schematic Deleted Location Part Description Reason for Change		A 5		3043		•
Deleted Location Part Description Reason for Change R4 A3 $1KΩ \pm 10\%$, $1/4$ W Incorporated in U3 R8 A5 $100KΩ \pm 10\%$, $1/4$ W Incorporated in U3 X105 Component sockets Improved reliability X107 Component sockets Improved reliability Components Schematic New Part Number Reason for Cl Added Location Part Description New Part Number Reason for Cl R2 A5 470 Ω 2.2KΩ 562-0019-222 Insufficient IF Z4 A4 2001 4001 023-3254-001 Availability Components Schematic New Part New Part New Part New Part Z4 A4 2001 4001 023-3254-001 Availability Components Schematic New Part						•
Deleted Location Part Description Reason for Change R4 A3 $1KΩ \pm 10\%$, $1/4$ W Incorporated in U3 R8 A5 $100KΩ \pm 10\%$, $1/4$ W Incorporated in U3 X105 Component sockets Improved reliability X107 Component sockets Improved reliability Components Schematic New Part Number Reason for Cl Added Location Part Description New Part Number Reason for Cl R2 A5 470 Ω 2.2KΩ 562-0019-222 Insufficient IF Z4 A4 2001 4001 023-3254-001 Availability Components Schematic New Part New Part New Part New Part Z4 A4 2001 4001 023-3254-001 Availability Components Schematic New Part	_	0.1				
R8 A5 $100 \text{K}\Omega \pm 10\%$, $1/4 \text{ W}$ Incorporated in U3 X105 Component sockets Improved reliability X107 Component sockets Improved reliability Components Schematic New Part Added Location Part Description New Part C14 A3 0.01 μF ±20%, Y5U 510-3002-103 New U3 REVISION F Components Schematic New Part New Part <td< td=""><td>•</td><td></td><td>Part Descriptio</td><td>n</td><td>Reason for Change</td><td></td></td<>	•		Part Descriptio	n	Reason for Change	
R8 A5 $100 \text{K}\Omega \pm 10\%$, $1/4 \text{ W}$ Incorporated in U3 X105 Component sockets Improved reliability X107 Component sockets Improved reliability Components Schematic New Part Added Location Part Description New Part C14 A3 0.01 μF ±20%, Y5U 510-3002-103 New U3 REVISION F Components Schematic New Part New Part <td< td=""><td>P.4</td><td>A 2</td><td>11/0 +1007 1/4</td><td>TW.</td><td>Incorporated in II2</td><td></td></td<>	P.4	A 2	11/0 +1007 1/4	TW.	Incorporated in II2	
X105 X107 Component sockets Improved reliability X107 Component sockets Improved reliability Components Added Schematic Location New Part Number Reason for Cl C14 A3 $0.01 \mu F \pm 20\%$, Y5U 510-3002-103 New U3 REVISION F Components Changed Schematic Location New Part Number Reason for Cl R2 A5 470 Ω 2.2 KΩ 562-0019-222 Insufficient IF Availability Components Added Schematic Location Part Description New Part Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f PARTS LIST CORRECTIONS C34 0.0047 μF +80/-20%, 500V, Y5U 510-3061-102 10.001-471 New 455 kHz f C34 0.001 μF ±20%, 1 KV, Y5S 510-3061-102 10.001-471 New 455 kHz f MP2 Pushbutton (S1B-S1H) 547-0006-020 142-0101-002 142-0101-002 MP4 Pushbutton (S1A) 547-0006-120 147-0006-120 R7					•	
X107 Component sockets Improved reliability Components Schematic New Part Number Reason for Classification C14 A3 $0.01 \mu F \pm 20\%$, Y5U 510-3002-103 New U3 REVISION F Components Schematic New Part New Part New Part Changed Location From To Number Reason for Classification R2 A5 470 Ω 2.2 KΩ 562-0019-222 Insufficient IF Z4 A4 2001 4001 023-3254-001 Availability Components Schematic New Part New Part Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f PARTS LIST CORRECTIONS C34 0.0047 μF ±80/-20%, 500V, Y5U 510-3005-472 510-3061-102 [2] Jack, antenna 142-0101-002 142-0101-002 [3] Jack, DC power 515-4100-001 MP2 Pushbutton (S1A) <td></td> <td></td> <td></td> <td></td> <td>*</td> <td></td>					*	
Components Schematic Location Part Description New Part Number Reason for Cl C14 A3 $0.01 \mu F \pm 20\%$, Y5U 510-3002-103 New U3 REVISION F Components Schematic Changed New Part Number Reason for Cl R2 A5 470 Ω 2.2 KΩ 562-0019-222 Insufficient IF Added Z4 A4 2001 4001 023-3254-001 Availability Components Schematic Location New Part Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f C34 0.0047 μF +80/-20%, 500V, Y5U 510-3005-472 510-3061-102 512-3061-102 72			•			
Added Location Part Description Number Reason for Cl C14 A3 0.01 μF ±20%, Y5U 510-3002-103 New U3 REVISION F Components Schematic New Part Number Reason for Cl R2 A5 470 Ω 2.2 KΩ 562-0019-222 Insufficient IF Z4 A4 2001 4001 023-3254-001 Availability Components Schematic New Part New Part New Part New Part Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f C34 0.0047 μF +80/-20%, 500V, Y5U 510-3005-472 510-3001-472 C36 0.001 μF ±20%, 1 KV, Y5S 510-3061-102 1/2 1/2 Jack, antenna 142-0101-002 1/2 1/2 Jack, antenna 142-0101-002 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	X107		Component soci	kets	Improved reliability	
Added Location Part Description Number Reason for Cl C14 A3 $0.01 \mu F \pm 20\%$, Y5U 510-3002-103 New U3 REVISION F Components Schematic New Part Number Reason for Cl R2 A5 470Ω $2.2 K\Omega$ $562-0019-222$ Insufficient IF Z4 A4 2001 4001 $023-3254-001$ Availability Components Schematic New Part New Part Number Reason for Ch C500 A4 $470 pF \pm 5\%$, 1DM15 510-0001-471 New 455 kHz f C34 $0.0047 \mu F \pm 80/-20\%$, 500V, Y5U 510-3005-472 510-3061-102 C34 $0.001 \mu F \pm 20\%$, 1 kV, Y5S 510-3061-102 12 J2 Jack, antenna 142-0101-002 J3 Jack, DC power 515-4100-001 MP2 Pushbutton (S1B-S1H) 547-0006-120 R7 5K0 squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 <td>Components</td> <td>Schematic</td> <td></td> <td></td> <td>New Part</td> <td></td>	Components	Schematic			New Part	
REVISION F Components Changed Schematic Location From To New Part Number Reason for Classification R2 A5 470 Ω 2.2KΩ 562-0019-222 Insufficient IF Number Z4 A4 2001 4001 023-3254-001 Availability Components Added Schematic Location Part Description New Part Number Reason for Change Part Description C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz for Part Part Part Part Part Part Part Par	•	Location	Part Descriptio	<u>n</u>	Number	Reason for Ch
REVISION F Components Changed Schematic Location From To New Part Number Reason for Classification R2 A5 470 Ω 2.2KΩ 562-0019-222 Insufficient IF Number Z4 A4 2001 4001 023-3254-001 Availability Components Added Schematic Location Part Description New Part Number Reason for Change Part Description C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz for Part Part Part Part Part Part Part Par	C14	A 3	$0.01 \mu \text{F} \pm 20\%$	Y5U	510-3002-103	New U3
Components Schematic New Part Number Reason for Cl R2 A5 470Ω $2.2 \mathrm{K}\Omega$ $562\text{-}0019\text{-}222$ Insufficient IF Z4 A4 2001 4001 $023\text{-}3254\text{-}001$ Availability Components Schematic New Part New Part Number Reason for Ch C500 A4 $470 \mathrm{pF} \pm 5\%$, 1DM15 $510\text{-}0001\text{-}471$ New 455 kHz f PARTS LIST CORRECTIONS C34 $0.0047 \mu\mathrm{F} \pm 80/\text{-}20\%$, $500\mathrm{V}$, Y5U $510\text{-}3005\text{-}472$ $510\text{-}0001\text{-}471$ New 455 kHz f C34 $0.001 \mu\mathrm{F} \pm 20\%$, 1 kV, Y5S $510\text{-}30061\text{-}102$ $1000000000000000000000000000000000000$			0.01 1.1 ==0,0,			
Components Schematic New Part Number Reason for Cl R2 A5 470Ω 2.2 kΩ $562-0019-222$ Insufficient IF Z4 A4 2001 4001 $023-3254-001$ Availability Components Schematic New Part New Part Number Reason for Ch C500 A4 $470 \text{pF} \pm 5\%$, 1DM15 $510-0001-471$ New 455 kHz f PARTS LIST CORRECTIONS C34 $0.0047 \mu\text{F} \pm 80/-20\%$, $500V$, Y5U $510-3005-472$ $510-0001-471$ New 455 kHz f C34 $0.0047 \mu\text{F} \pm 20\%$, 1 kV, Y5S $510-3061-102$ $510-3061$	DEVIOLON I	 =				
Changed Location From To Number Reason for Cl R2 A5 470 Ω 2.2KΩ 562-0019-222 Insufficient IF Z4 A4 2001 4001 023-3254-001 Availability Components Schematic New Part Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f PARTS LIST CORRECTIONS C34 0.0047 μF ±80/-20%, 500V, Y5U 510-3005-472 510-3061-102 J2 Jack, antenna 142-0101-002 J3 Jack, DC power 515-4100-001 MP2 Pushbutton (S1B-S1H) 547-0006-020 MP4 Pushbutton (S1A) 547-0006-120 R7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	KE VISION I	7				
R2 A5 470 Ω 2.2KΩ 562-0019-222 Insufficient IF Z4 A4 2001 4001 023-3254-001 Availability Components Schematic Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f PARTS LIST CORRECTIONS C34 0.0047 μF +80/-20%, 500V, Y5U 510-3005-472 C36 0.001 μF ±20%, 1 KV, Y5S 510-3061-102 J2 Jack, antenna 142-0101-002 J3 Jack, DC power 515-4100-001 MP2 Pushbutton (S1B-S1H) 547-0006-020 MP4 Pushbutton (S1A) 547-0006-020 R7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222					New Part	
Z4 A4 2001 4001 023-3254-001 Availability Components Schematic New Part Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f PARTS LIST CORRECTIONS C34 0.0047 μF +80/-20%, 500V, Y5U 510-3005-472 C36 0.001 μF ±20%, 1 KV, Y5S 510-3061-102 J2 Jack, antenna 142-0101-002 J3 Jack, DC power 515-4100-001 MP2 Pushbutton (S1B-S1H) 547-0006-020 MP4 Pushbutton (S1B) 547-0006-020 MP4 Pushbutton (S1A) 547-0006-120 R7 5 $\kappa\Omega$ squelch potentiometer 562-0025-004 R16 10 $\kappa\Omega$ volume potentiometer 562-0025-003 R33 1.2 $\kappa\Omega$ ±10%, 1/2 W 569-1004-222	Components	Schematic				
Z4 A4 2001 4001 023-3254-001 Availability Components Added Schematic Location New Part Number Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f PARTS LIST CORRECTIONS C34 0.0047 μF ±80/-20%, 500V, Y5U 510-3005-472 510-3061-102 J2 Jack, antenna 142-0101-002 J3 Jack, DC power 515-4100-001 MP2 Pushbutton (S1B-S1H) 547-0006-020 MP4 Pushbutton (S1A) 547-0006-120 R7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	-		From	To	Number	Reason for Ch
Components Schematic Added Location Part Description Number Reason for Ch Number Reason for	Changed	Location				
Added Location Part Description Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f PARTS LIST CORRECTIONS C34 $0.0047 \mu F +80/-20\%$, 500V, Y5U 510-3005-472 C36 0.001 μF ±20%, 1 KV, Y5S 510-3061-102 J2 Jack, antenna 142-0101-002 J3 Jack, DC power 515-4100-001 MP2 Pushbutton (S1B-S1H) 547-0006-020 MP4 Pushbutton (S1A) 547-0006-120 R7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	Changed R2	Location A5	470 Ω	2.2ΚΩ	562-0019-222	Insufficient IF
Added Location Part Description Number Reason for Ch C500 A4 470 pF ±5%, 1DM15 510-0001-471 New 455 kHz f PARTS LIST CORRECTIONS C34 0.0047 μF ±80/-20%, 500V, Y5U 510-3005-472 C36 0.001 μF ±20%, 1 kV, Y5S 510-3061-102 Jack, antenna 142-0101-002 Jack, DC power 515-4100-001 MP2 Pushbutton (S1B-S1H) 547-0006-020 MP4 Pushbutton (S1A) 547-0006-120 S7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	Changed R2	Location A5	470 Ω	2.2ΚΩ	562-0019-222	Reason for Ch Insufficient IF Availability
PARTS LIST CORRECTIONS C34	R2 Z4	Location A5 A4	470 Ω	2.2ΚΩ	562-0019-222 023-3254-001	Insufficient IF
PARTS LIST CORRECTIONS C34	Changed R2 Z4 Components	Location A5 A4 Schematic	470 Ω 2001	2.2KΩ 4001	562-0019-222 023-3254-001 New Part	Insufficient IF Availability
C34 0.0047 μF +80/-20%, 500V, Y5U 510-3005-472 C36 0.001 μF ±20%, 1 KV, Y5S 510-3061-102 J2 Jack, antenna 142-0101-002 J3 Jack, DC power 515-4100-001 MP2 Pushbutton (S1B-S1H) 547-0006-020 MP4 Pushbutton (S1A) 547-0006-120 R7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	Changed R2 Z4 Components Added	Location A5 A4 Schematic Location	470 Ω 2001 Part Description	2.2KΩ 4001	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
C36 $0.001 \mu F \pm 20\%$, 1 KV, Y5S $510-3061-102$ J2 Jack, antenna $142-0101-002$ J3 Jack, DC power $515-4100-001$ MP2 Pushbutton (S1B-S1H) $547-0006-020$ MP4 Pushbutton (S1A) $547-0006-120$ R7 $5K\Omega$ squelch potentiometer $562-0025-004$ R16 $10K\Omega$ volume potentiometer $562-0025-003$ R33 $1.2K\Omega \pm 10\%$, $1/2$ W $569-1004-222$	Changed R2 Z4 Components Added C500	Location A5 A4 Schematic Location A4	470 Ω 2001 Part Description	2.2KΩ 4001	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
J2 Jack, antenna 142-0101-002 J3 Jack, DC power 515-4100-001 MP2 Pushbutton (S1B-S1H) 547-0006-020 MP4 Pushbutton (S1A) 547-0006-120 R7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	Changed R2 Z4 Components Added C500 PARTS LIST C	Location A5 A4 Schematic Location A4 ORRECTIONS	470 Ω 2001 Part Description 470 pF ±5%, 1D	2.2KΩ 4001	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
J3 Jack, DC power $515-4100-001$ MP2 Pushbutton (S1B-S1H) $547-0006-020$ MP4 Pushbutton (S1A) $547-0006-120$ R7 $5K\Omega$ squelch potentiometer $562-0025-004$ R16 $10K\Omega$ volume potentiometer $562-0025-003$ R33 $1.2K\Omega \pm 10\%$, $1/2$ W $569-1004-222$	Changed R2 Z4 Components Added C500 PARTS LIST Components C34	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 µF +80/-209	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U	2.2KΩ 4001 1 M15	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability
MP2 Pushbutton (S1B-S1H) 547-0006-020 MP4 Pushbutton (S1A) 547-0006-120 R7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 \(\mu \text{F} \) +80/-20% 0.001 \(\mu \text{F} \) ±20%, 1 k	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U	2.2KΩ 4001 12 M15 510-3005-472 510-3061-102	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
MP4 Pushbutton (S1A) 547-0006-120 R7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36 J2	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 µF +80/-20, 0.001 µF ±20%, 1 k Jack, antenna	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U	2.2KΩ 4001 4001 M15 510-3005-472 510-3061-102 142-0101-002	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
R7 5KΩ squelch potentiometer 562-0025-004 R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36 J2 J3	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 µF +80/-20% 0.001 µF ±20%, 1 k Jack, antenna Jack, DC power	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U (V, Y5S	2.2KΩ 4001 12 M15 510-3005-472 510-3061-102 142-0101-002 515-4100-001	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ ±10%, 1/2 W 569-1004-222	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36 J2 J3 MP2	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 µF +80/-20% 0.001 µF ±20%, 1 M Jack, antenna Jack, DC power Pushbutton (S1B-S11)	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U (V, Y5S	2.2KΩ 4001 12 M15 510-3005-472 510-3061-102 142-0101-002 515-4100-001	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
R16 10KΩ volume potentiometer 562-0025-003 R33 1.2KΩ \pm 10%, 1/2 W 569-1004-222	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36 J2 J3 MP2	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 µF +80/-20% 0.001 µF ±20%, 1 M Jack, antenna Jack, DC power Pushbutton (S1B-S11)	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U (V, Y5S	2.2KΩ 4001 2.2KΩ 4001 M15 510-3005-472 510-3061-102 142-0101-002 515-4100-001 547-0006-020	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
R33 1.2K Ω ±10%, 1/2 W 569-1004-222	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36 J2 J3 MP2 MP4	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 µF +80/-20% 0.001 µF ±20%, 1 k Jack, antenna Jack, DC power Pushbutton (S1B-S11 Pushbutton (S1A)	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U (V, Y5S	2.2KΩ 4001 M15 510-3005-472 510-3061-102 142-0101-002 515-4100-001 547-0006-020 547-0006-120	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36 J2 J3 MP2 MP4 R7	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 μF +80/-20% 0.001 μF ±20%, 1 k Jack, antenna Jack, DC power Pushbutton (S1B-S11 Pushbutton (S1A) 5KΩ squelch potent	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U cV, Y5S H) iometer	2.2KΩ 4001 M15 510-3005-472 510-3061-102 142-0101-002 515-4100-001 547-0006-020 547-0006-120 562-0025-004	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
ov near paner, stacked, assembly 023-2919-003	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36 C36 J2 J3 MP2 MP4 R7 R16	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 μF +80/-20% 0.001 μF ±20%, 1 k Jack, antenna Jack, DC power Pushbutton (S1B-S11 Pushbutton (S1A) 5ΚΩ squelch potent 10ΚΩ volume poten	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U CV, Y5S H) iometer tiometer	2.2KΩ 4001 M15 510-3005-472 510-3061-102 142-0101-002 515-4100-001 547-0006-020 547-0006-120 562-0025-004 562-0025-003	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Cha
	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36 J2 J3 MP2 MP4 R7 R16 R33	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 μF +80/-20% 0.001 μF ±20%, 1 k Jack, antenna Jack, DC power Pushbutton (S1B-S11 Pushbutton (S1A) 5ΚΩ squelch potent 10ΚΩ volume poten 1.2ΚΩ ±10%, 1/2 W	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U (V, Y5S H) iometer tiometer	2.2KΩ 4001 M15 510-3005-472 510-3061-102 142-0101-002 515-4100-001 547-0006-020 547-0006-120 562-0025-004 562-0025-003 569-1004-222	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Ch
	Changed R2 Z4 Components Added C500 PARTS LIST Components C34 C36 J2 J3 MP2 MP4 R7 R16 R33	Location A5 A4 Schematic Location A4 ORRECTIONS 0.0047 μF +80/-20% 0.001 μF ±20%, 1 k Jack, antenna Jack, DC power Pushbutton (S1B-S11 Pushbutton (S1A) 5ΚΩ squelch potent 10ΚΩ volume poten 1.2ΚΩ ±10%, 1/2 W	470 Ω 2001 Part Description 470 pF ±5%, 1D %, 500V, Y5U (V, Y5S H) iometer tiometer	2.2KΩ 4001 M15 510-3005-472 510-3061-102 142-0101-002 515-4100-001 547-0006-020 547-0006-120 562-0025-004 562-0025-003 569-1004-222	562-0019-222 023-3254-001 New Part Number	Insufficient IF Availability Reason for Ch