

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LIST

FOR

FREQUENCY EXTENSION UNIT, WEINSCHEL, MODEL 1611

NSN 6695-01-207-2922

Current as of 7 July 1988

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LIST

SECTION I. INTRODUCTION

1. Scope. This RPSTL lists and authorizes spares and repair parts required for performance of direct and general support maintenance of the 18 to 26.5 GHz, Frequency Extension Unit, Weinschel, Model 1611. It authorizes the requisitioning, issue, and disposition of spares and repair parts as indicated by the Source, Maintenance and Recoverability (SMR) codes.

2. General In addition to this Section I, Introduction, this Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. Parts lists are composed of functional groups in ascending numeric sequence. Parts are listed in alphabetical sequence within each group and figure number.

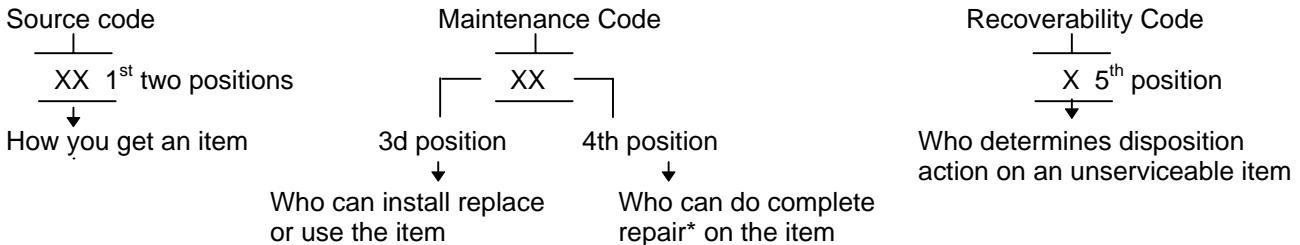
b. Section III. Special Tools List. Not applicable.

c. Section IV. Cross Reference Indexes. A list, in National Item Identification Number (NIIN) sequence, of all National Stock Numbered (NSN) items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listing. NSN's and part numbers are cross-referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item numbers in alphanumeric sequence and cross-reference NSN, FSCM, and part numbers.

3. Explanation of Columns (Section II)

a. ITEM NUMBER (Column (1)). Indicates the number used to identify each item appearing in the listing.

b. SMR CODE (Column (2)). The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instructions as shown in the following breakout:



*Complete Repair: Maintenance capacity, capability, and authority to perform all the corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source Code. The source code tells you how you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Source codes are always the first two positions of the SMR code. Explanation of source codes follows:

Code	Explanation
PA -	Stocked items; use the applicable NSN to request/requisition items with this code. This item is authorized to the category indicated by the code entered in the 3d position of the SMR code.

(2) Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

(a) The maintenance code entered in the third position tells you the maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following level of maintenance.

Code	Application/Explanation
H -	General support category can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions). This position will contain one of the following codes.

Code	Application/Explanation
H -	General support is the lowest category that can do complete repair of the item.
Z -	Nonreparable. No repair is authorized.

(3) Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR code as follows:

Recoverability Codes	Definition
H -	Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.
Z -	Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the third position of the SMR code.

c. FSCM (Column (3)). The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

d. PART NUMBER (Column (4)). Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE: When you use an NSN to requisition an item, the item you receive may have a different part number from the part ordered, but go ahead and use or furnish it as the replacement part.

e. DESCRIPTION AND USABLE ON CODE (UOC) (Column (5)). This column includes the following information:

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) The usable on code, when applicable (see paragraph 5, Special Information).

f. QUANTITY (Column (6)). The quantity (quantity per figure column) indicates the quantity of the item used in the parts list which is prepared for a functional group, subfunctional group, or an assembly.

4. Explanation of Columns (Section IV)

a. NATIONAL STOCK NUMBER (NSN) INDEX

(1) STOCK- NUMBER column. This column lists the NSN by National Item Identification Number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN

NSN
(i.e., 5305-01-674-1467). When using this column to locate an item, ignore the first 4 digits of
NIIN

the NSN. However; the complete NSN should be used when ordering items by stock number.

(2) FIGURE column. Indicates the figure number used to identify each item appearing in the listing. The figures are in numerical order in Section II.

(3) ITEM column. The item number identifies the item associated with the figure listed in the adjacent figure column. This item is also identified by the NSN listed on the same line.

b. PART NUMBER INDEX. Part numbers in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

(1) FSCM column. The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(2) PART NUMBER column. Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings specifications, at standards and inspection requirements to identify an item or range of items.

(3) STOCK NUMBER column. This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and FSCM columns to the left. The part number line entry (with NSN, when available) identifies the first figure/item number appearance for which the part number is applicable. The part number is not listed for additional figure/item number appearances identified by that part number.

(4) FIGURE column. This column lists the number of the figure where the item is located in Section II.

(5) ITEM column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

c. FIGURE AND ITEM NUMBER INDEX

(1) FIGURE column. This column lists the number of the figure where the item is identified/located in Section II

(2) ITEM column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

(3) STOCK NUMBER column. This column lists the NSN for the item.

(4) FSCM column. The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(5) PART NUMBER column. Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

5. Special Information

a. Repair parts for components of standards sets which can be identified as existing in the supply system will be requisitioned through normal supply channels from the appropriate supply commodity manager.

b. Repair parts for components of standards sets which cannot be identified as to proper supply source will be requisitioned from USAMICOM, using routing identifier B64 and furnishing, as a minimum, the following as exception data:

(1) Component stock number of the individual end item to be repaired.

(2) Component manufacturer's equipment model number and serial number.

(3) The equipment manufacturer's reference number as listed in the appropriate manual for the desired repair part.

(4) The repair part reference designation, circuit reference, circuit symbol schematic designation, or reference number as listed in the manufacturer's manual.

(5) The technical specification of the repair part as contained in the appropriate manufacturer's manual.

(6) The title and date of the manufacturer's manual from which the information in **a** and **b(3)**, (4), and (5) above was taken.

c. For requisitioning miscellaneous consumable maintenance supplies or expendable supplies, use CTA 50-970.

d. National Stock Numbers (NSN) that are missing for "P" source coded items have been applied for and will be added to this manual by a change/revision when they are entered in the Army Master Data File (AMDF). Until the NSN's are established and published, submit exception requisitions to: Commander, U. S. Army Missile Command, ATTN: AMSMI-LC-MM-A Redstone Arsenal, Alabama 35898-5239.

e. The usable on code appears in the lower left corner of the Description column heading. Usable on codes are shown as "UOC" in the Description column (justified left) on the first line applicable item description/nomenclature. Uncooked items are applicable to all models.

f. This RPSTL does not contain illustrations for items listed in Section II, since the manufacturer's manual contains exploded view illustrations which are adequate for repair parts location. Copies of the manufacturer's manual for the 18 to 26.5 GHz, Frequency Extension Unit, Weinschel, Model 1611 are furnished with the equipment for which this RPSTL is prepared. The figure and item numbers in the listing are for locating the item within this RPSTL.

6. How to Locate Repair Parts

a. When National Stock Number or Part Number is Not Known.

(1) First. Refer to the parts list to locate the item by description. This list is in alphabetical sequence within each group and figure number. Identification of group and figure numbers and the manufacturer's manual locational figure numbers are listed below:

<u>Group</u>	<u>Figure</u>	<u>Manufacturer's Manual Locational Figure</u>	<u>Nomenclature</u>	<u>Part Number</u>
0010	1	Table 9-1	Frequency Extension Kit Mainframe	190-2000
0020	2	Table 9-3	Amplifier Assembly	190-2042
0030	3	Table 9-4	Circuit Card Assembly	190-2001-000
0040	4	Table 9-2	Oscillator Housing	190-2002
0050	5	Table 9-6	Power Supply Assembly	190-2041
0060	6	Table 9-8	Power Assembly	190-2006
0070	7	Table 9-5	Mixer Housing Assembly	190-2003
0080	8	Table 9-7	Panel Assembly	190-2005

(2) Second. After locating the item in the Repair Parts List, refer to the Part Number Index to find the NSN.

b. When National Stock Number or Part Number is Known.

(1) First. Using the Index of National Stock Numbers and Part Numbers, find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence. The part numbers in the Part Number index are listed in ascending alphanumeric sequence. Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

(2) Second. After finding the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

7. Abbreviations. Not applicable.

SECTION II

TM9-6695-282-34P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 0010 - FIGURE 1					
FREQUENCY EXTENSION KIT MAINFRAME					
1611 (93459)					
20	PAHZZ	93459	190-2046	ATTENUATOR, FIXED AT3.....	1
40	FAHZZ	16428	17743	CABLE ASSEMBLY, POWE 2.....	1
60	PAHZZ	93459	250-330-1	COUPLER, DIRECTIONAL DC1.....	1
70	PAHZZ	93459	190-2043	COUPLER, DIRECTIONAL A9.....	1
80	PAFZZ	93455	190-2045	OSCILLATOR, RADIO FREQ AT1, AT2.....	2
90	PAHZZ	93459	1596-1	LINE, RADIO FRECUENC A6, A7, A8.....	3
120	PAHHZ	93459	190-2003	MIXER HOUSING ASSY A3, A4, FOR PARTS SEE GROUP 0070, FIGURE 7.....	2
130	PAHHH	93459	190-2002	OSCILLATOR HOUSING A1, FOR PARTS..... SEE GROUP 0040, FIGURE 4.....	1
134	PAHHZ	93459	190-2005	PANEL ASSEMBLY A10, FOR PARTS SEE GROUP 0080, FIGURE 8.....	1
138	PAHHZ	93459	190-2006	PANEL ASSEMBLY A11, FOR PARTS SEE GROUP 0060, FIGURE 6.....	1
140	PAHHH	93459	190-2041	POWER SUPPLY ASSEMBLY A5, FOR PARTS..... SEE GROUP 0050, FIGURE 5.....	1
155	PAHZZ	21847	D 1289	SEMICONDUCTOR DEVIC Y1.....	1
160	PAHZZ	96906	MS35431-1	TERMINAL, LUG E1.....	1
GROUP 0020 - FIGURE 2					
AMPLIFIER ASSEMBLY					
190-2042 (93459)					
10	PAHZL	00775	859619-1	FILTER, RADIO FREQUE C1, C2.....	2
GROUP 0030 - FIGURE 3					
CIRCUIT CARD ASSEMBLY					
190-2001-000 (93459)					
30	PAHZZ	71279	460-2970-02-03	CONTACT, ELECTRICAL TP1 - TF7.....	7
40	PAHZZ	13499	351-1392-042	MICROCIRCUIT, LINEAR U4.....	1
50	PAHZZ	80294	3009P1-501	RESISTOR, VARIABLE, N R27.....	1
60	PAHZZ	81349	JAN1N3064	SEMICONDUCTOR DEVIC CR1 - CR9.....	9
70	PAHZZ	88245	4531B-5.04	TERMINAL, STUD E1 - E14.....	14
GROUP 0040 - FIGURE 4					
OSCILLATOR HOUSING					
190-2002 (93459)					
3	PAHZZ	93459	1568	ADAPTER, CONNECTOR J1, J2, J3.....	2
05	PAHHH	93459	190-2042	AMPLIFIER ASSEMBLY A1, A3, FOR PARTS SEE GROUP 0020, FIGURE 2.....	2

SECTION II

TM9-6695-282-34P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
10	PAHZZ	56289	196D476X9020LA3	CAPACITCR, FIXED, ELE C3	1
15	PAHHH	93459	190-2001-000	CIRCUIT CARO ASSEMB A6, FCR FARTS	1
				SEE GROUP 0030 FIGURE 2	
20	PAHZZ	00779	102241-2	CONNECTCR EGCY, PLUG P1	1
30	PAHZZ	00779	87667-5	CONTACT, ELECTRICAL 2,3.	2
35	PAHZZ	93459	C01-205	DIVIDER, POWER, RADIO A5	1.
40	PAHZZ	00779	859619-1	FILTER, RADIO, FREQUE C1, C2	2
60	PAHZZ	93459	001-208	ISOLATOR A4.	1
70	PAHZZ	93459	001-167	PIN DIODE SWITCH A2	1
				GROUP 0050 - FIGURE 5 POWER SUPPLY ASSEMBLY 190-2041 (93459)	
10	PAHZZ	00779	102241-1	CONNECTCR BODY, PLUG P1	1
20	PAHZZ	00779	87667-5	CONTACT, ELECTRICAL 1,2,3	3
30	PAHZZ	80063	SMB540517-2	TERMINAL, LUG E1	1
				GROUP 0060 - FIGURE 6 PANEL ASSEMBLY 190-2006 (93459)	
10	PAHZZ	05245	6J4	ADAPTER, POWER XF1	1
				GROUP 0070 - FIGURE 7 MIXER HOUSING ASSEMBLY 190-2003 (93455)	
10	PAHZZ	93459	M9-6	ATTENUATOR, FIXED AT1.	1
20	PAHZZ	93459	M4M-6	ATTENUATCR, FIXED AT2.	1
30	PAHZZ	93459	4T-3	ATTENUATOR, FIXED AT3	1
35	PAHZZ	93459	001-209	ISOLATOR JUNCTION, A2	1
40	PAHZZ	93459	001-210	MIXER, CRYSTAL, COA BALANCED, A1... ..	1
				GROUP 0080 - FIGURE 8 PANEL ASSEMBLY 190-2005 (93459)	
5	PAHZZ	93459	050-32	LAMP, GLOW DS1.	2
10	PAHZZ	93459	055-74	SWITCH, PUSH S1	1
20	PAHZZ	93459	190-2004	WAVEGUIDE ASSEMBLY 2,3	2

CROSS-REFERENCE INDEXES

STOCK NUMBER	FIG.	NATIONAL STOCK NUMBER INDEX ITEM	STOCK NUMBER	FIG.	ITEM.
5940-00-082-5002	3	70			
5905-00-139-9654	3	50			
5910-00-422-5277	4	10			
5999-00-481-1406	3	30			
5940-00-614-0537	1	160			
5961-00-814-0768	3	60			
5940-00-827-2653	5	30			
6625-01-051-1984	6	10			
5999-01-094-5175	4	30			
	5	20			
6150-01-111-1717	1	40			
5962-01-128-9747	3	40			
5915-01-134-8055	2	10			
	4	40			
5935-01-155-1234	5	10			
5935-01-214-2296	4	20			
5985-01-253-3981	1	90			
5985-01-253-4023	1	20			
5985-01-253-4024	7	20			
5930-01-254-0621	8	10			
5935-01-254-2073	4	3			
5985-01-254-7873	1	70			
5985-01-254-9742	1	80			
5985-01-256-4041	8	20			
5985-01-256-4182	7	30			
6625-01-256-6701	4	35			
5985-01-256-6746	7	10			
6240-01-256-9868	8	5			
5985-01-257-4164	7	40			
6130-01-259-6902	1	140			
5999-01-259-6984	4	15			
6625-01-260-6772	4	05			
5985-01-260-8582	4	60			
5985-01-260-8583	7	35			
6695-01-268-3388	1	130			
5985-01-268-5189	1	60			
5985-01-274-6482	4	70			
6625-01-279-8065	1	134			
6625-01-279-8066	1	138			
6625-01-279-8071	1	120			

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
21847	D 1289			1	155
81349	JAN1N3064		5961-00-814-0768	3	60
96906	MS35431-1		5940-00-614-0537	1	160
93459	M4M-6		5985-01-253-4024	7	20
93459	M9-6		5985-01-256-6746	7	10
80063	SMB540517-2		5940-00-827-2653	5	30
93459	001-167		5S85-01-274-6482	4	70
93459	001-205		6625-01-256-6701	4	35
93459	001-208		5985-01-260-8582	4	60
93459	001-209		5985-01-260-8583	7	35
93459	001-210		5985-01-257-4164	7	40
93459	050-32		6240-01-256-9868	8	5
93459	055-74		5930-01-254-0621	8	10
00779	102241-1		5S35-01-155-1234	5	10
00779	102241-2		5S35-01-214-2256	4	20
93459	1568		5935-01-254-2073	4	3
93459	1596-1		5985-01-253-3581	1	90
16426	17743		6150-01-111-1717	1	40
93459	190-2001-000		5599-01-259-6984	4	15
93459	190-2002		6695-01-268-3388	1	130
93459	190-2003		6625-01-279-8071	1	120
93459	190-2004		5985-01-256-4041	8	20
93459	190-2005		6625-01-279-8065	1	134
93459	190-2006		6625-01-279-8066	1	138
93459	190-2041		6130-01-259-6902	1	140
93459	190-2042		6625-01-260-6772	4	05
93459	190-2043		5985-01-254-7673	1	70
93459	190-2045		5985-01-254-9742	1	80
93459	190-2046		5985-01-253-4023	1	20
56289	196D476X9020LA3		5910-00-422-5277	4	10
93459	250-330-1		5985-01-268-5189	1	60
80294	3009P1-501		5905-00-139-9654	3	50
13499	351-1392-042		5962-01-128-9747	3	40
93459	4T-3		5585-01-Z56-4182	7	30
88245	4531B-5.04		594C-00-082-5002	3	70
71279	460-2970-02-03		5999-00-481-1406	3	30
C5245	6J4		6625-01-051-1984	6	10
00779	859619-1		5515-01-134-8055	2	10
				4	40
00779	87667-5		5999-01-094-5175	4	30
				5	20

CROSS REFERENCE INDEXES

FIG. NUMBER	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	FSCM	PART
1	20	5985-01-253-4023	93455	190-2046
1	40	6150-01-111-1717	16428	17743
1	60	5985-01-268-5189	93459	250-330-1
1	70	5985-01-254-7873	93459	190-2043
1	80	5985-01-254-9742	93459	190-2045
1	90	5985-01-253-3981	93459	1596-1
1	120	6625-01-279-8071	93459	190-2003
1	130	6695-01-268-3388	93459	190-2002
1	134	6625-01-279-8065	93459	190-2005
1	138	6625-01-279-8066	93459	190-2006
1	140	6130-01-259-6902	93459	190-2041
1	155		21847	D 1289
1	160	5940-00-614-0537	96906	MS35431-1
2	10	5915-01-134-8055	00779	859619-1
3	30	5999-00-481-1406	71279	460-2970-02-03
3	40	5962-01-128-9747	13499	351-1392-042
3	50	5905-00-139-9654	80294	3009P1-501
3	60	5961-00-814-0768	81349	JAN1N3064
3	70	5940-00-082-5002	88245	4531E-5.04
4	3	5935-01-254-2073	93459	1568
4	05	6625-01-260-6772	93459	190-2042
4	10	5910-00-422-5277	56289	196D476X9020LA3
4	15	5999-01-259-6984	93459	190-2001-000
4	20	5935-01-214-2296	00779	102241-2
4	30	5999-01-094-5175	00779	87667-5
4	35	6625-01-256-6701	93459	001-205
4	40	5915-01-134-8055	00779	859619-1
4	60	5985-01-260-8582	93459	001-208
4	70	5985-01-274-6482	93459	001-167
5	10	5935-01-155-1234	00779	102241-1
5	20	5999-01-094-5175	00779	87667-5
5	30	5940-00-827-2653	80063	SMB540517-2
6	10	6625-01-051-1984	05245	6J4
7	10	5985-01-256-6746	93459	M9-6
7	20	5985-01-253-4024	93459	M4M-6
7	30	5985-01-256-4182	93459	4T-3
7	35	5985-01-260-8583	93459	001-209
7	40	5985-01-257-4164	93459	001-210
8	5	6240-01-256-9868	93459	050-32
8	10	5930-01-254-0621	93455	055-74
8	20	5985-01-256-4041	93455	190-2004

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