

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS RADIO RECEIVER R-390A/URR FSN 5820-538-7555

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Section I.	INTRODUCTION	Paragraph	Page
	Scope	1	2
	General	2	2
	Explanation of columns	3	2
	Special information	4	2.1
	How to locate repair parts	5	2.2
	Federal supply codes for manufacturers	6	2.2
	Reporting of equipment publication improvements	7	2.2
II.	PRESCRIBED LOAD ALLOWANCE		4
III.	REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE		5
IV.	SPECIAL TOOLS, TEST, AND SUPPORT EQUIPMENT FOR ORGANIZATIONAL MAINTENANCE (NOT APPLICABLE)		
V.	INDEX-FEDERAL STOCK NUMBER CROSS-REFERENCE TO FIGURE AND REFERENCE DESIGNATION		6
VI.	INDEX-REFERENCE DESIGNATION CROSS-REFERENCE TO PAGE NUMBER		7

*This manual supersedes TM 11-5820-358-20P, 5 October 1961, including all changes.

SECTION I INTRODUCTION

1. Scope

This manual lists repair parts required for the performance of organizational maintenance of the Radio Receiver R-390A/URR.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. *Prescribed Load Allowance (PLA)—Section II.* A composite listing of the repair parts having quantitative allowances for initial stockage at the organizational level.

b. *Repair Parts—Section III.* A list of repair parts authorized for the performance of maintenance at the organizational level.

c. *Special Tools, Test and Support Equipment—Section IV.* "Not Applicable."

d. *Federal Stock Number and Reference Number Index—Section V.* A list of Federal stock numbers in ascending numerical sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and reference designation.

e. *Index—Reference Designation Cross-Reference to Page Number—Section VI.*

3. Explanation of Columns

The following provides an explanation of columns in the tabular lists in sections II and III:

a. *Source, Maintenance, and Recoverability Codes (SMR), Column 1.*

(1) Source code indicates the selection status and source for the listed item. Source codes are—

Code	Explanation
P—	Repair parts which are stocked in or supplied from the GSA/DSA or Army supply system and authorized for use at indicated maintenance categories.
P2—	Repair parts which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.
P9—	Assigned to items which are NSA design controlled: Unique repair parts, special tools, test, and measuring and diagnostic equipment, which are stocked and supplied by the Army COMSEC logistic system, and which are not subject to the provisions of AR 380-41.

Code	Explanation
P10—	Assigned to items which are NSA design controlled: Special tools, test, measuring and diagnostic equipment for COMSEC support, which are accountable under the provisions of AR 380-41, and which are stocked and supplied by the Army COMSEC logistic system.
M—	Repair parts which are not procured or stocked, but are to be manufactured in indicated maintenance levels.
A—	Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately, and can be assembled to form the required assembly at indicated maintenance categories.
X—	Parts and assemblies which are not procured or stocked and the mortality of which normally is below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system.
X1—	Repair parts which are not procured or stocked. The requirement for such items will be filled by use of the next higher assembly or component.
X2—	Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain same through cannibalization. Where such repair parts are not obtainable through cannibalization, requirements will be requisitioned, with accompanying justification, through normal supply channels.
G—	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU levels. These assemblies will not be stocked above direct support and general support level or returned to depot supply level.

(2) Maintenance code indicates the lowest category of maintenance authorized to install the listed item. The maintenance level code is—

Code	Explanation
O	Organizational maintenance

(3) Recoverability code indicates whether unservicable items should be returned for recovery or

salvage. Items not coded are expendable.

Code	Explanation
R—	Repair parts and assemblies which are economically repairable at DSU and GSU activities and are normally furnished by supply on an exchange basis.
S—	Repair parts and assemblies which are economically repairable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
T—	High dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.
U—	Repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, or high dollar value reusable casings or castings.

b. *Federal Stock Number, Column 1 of Section II and Column 2 of Section III.* This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. *Description, Column 2 of Section II and Column 3 of Section III.* This column indicates the Federal item name and any additional description of the item required. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses.

d. *Unit of Measure (U/M), Column 4.* A two-character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based (e.g., ft, ea, pr, etc.).

e. *Quantity Incorporated in Unit, Column 5.* This column indicates the quantity of the item used in the assembly group. A "V" appearing in this column in lieu of a quantity indicates that a definite quantity cannot be indicated (e.g., shims, spacers, etc.).

f. *15-Day Organizational Maintenance Allowance, Column 3 of Section II and Column 6 of Section III.*

(1) The allowance columns are divided into four subcolumns. Indicated in each subcolumn opposite the first appearance of each item is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the allowance columns. Items authorized for use as required, but not for initial stockage, are identified with an asterisk in the allowance column.

(2) The quantitative allowances for organizational level of maintenance represents one initial prescribed load for a 15-day period for the number of equip-

ments supported. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the density column applicable to the number of items supported to obtain the total quantity of repair parts authorized.

(3) Organizational units providing maintenance for more than 100 of these equipments shall determine the total quantity of parts required by converting the equipment quantity to a decimal factor by placing a decimal point before the next to last digit of the number to indicate hundredths, and multiplying the decimal factor by the parts quantity authorized in the 51-100 allowance column. Example, authorized allowance for 51-100 equipments is 40; for 150 equipments multiply 40 by 1.50 or 60 parts required.

(4) Subsequent changes to allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendations should be forwarded to Commanding General, US Army Electronics Command, ATTN: AMSEL-ME-NMP-EM, Fort Monmouth, N.J., 07703, for exception or revision to the allowance list. Revisions to the range of items authorized will be made by the USAECOM National Maintenance Point based upon engineering experience, demand date, or TAERS information.

g. *Illustrations, Column 7.* This column is divided as follows:

(1) *Figure Number, Column 7a.* Indicates the figure number of the illustration in which the item is shown.

(2) *Item Number or Reference Designation, Column 7b.* Indicates the reference designation used to identify the item on the illustration.

4. Special Information

a. Repair parts mortality is computed from failure rates derived from experience factors with the individual parts in a variety of equipments. Variations in the specific application and periods of use of electronics equipment, the fragility of electronic piece parts, plus intangible material and quality factors intrinsic to the manufacture of electronic parts, do not permit mortality to be based on hours of end item use. However, long periods of continuous use under adverse conditions are likely to increase repair parts mortality.

b. Split Coding such as AF, MD, PH, etc., found in the source column indicate parts which require manufacture, assembly, or stockage at a category higher than that authorized to install the item. For example, an item coded MD-O denotes the source of the item to be manufactured (M) at the Depot level (D) and

authorized for installation at the Organizational level (O).

c. The following publications pertain to Radio Receiver R-390A/URR.

TM 11-5820-358-10 Operator's Manual
TM 11-5820-358-20 Organizational Maintenance Manual

5. How to Locate Repair Parts

a. When Federal stock number or reference number is unknown:

(1) *First*. Find the illustration covering the unit to which the repair part belongs.

(2) *Second*. Identify the repair part on the illustration figure and item number (reference designation) of the repair part.

(3) *Third*. Using the Reference Designation cross-reference to page number (Section VI), find the item number (reference designation) and note the page number listed. Locate the item in the Repair Parts List.

b. When Federal stock number or reference number is known:

(1) *First*. Using the Index of Federal Stock Numbers and Reference Numbers find the pertinent Federal stock number or reference number and note the figure and item number (reference designation). This index is in ascending FSN sequence followed by a list of reference numbers in ascending alphanumeric sequence, cross-referenced to the illustration

figure number and item number (reference designation).

(2) *Second*. Using the Reference Designation cross-reference to page number (Section VI), find the item number (reference designation) and note the page number listed. Locate the item in the Repair Parts List.

6. Federal Supply Codes for Manufacturers

Code	Manufacturer
78189.....	Illinois Tool Works Inc., Shakeproof Division, Elgin, Ill., 60126
80063.....	Army Electronics Command Procurement and Production Directorate, Fort Monmouth, N.J., 07703
81349.....	Military Specification Promulgated by Standardization Div., Directorate of Logistic Services, DSA
96906.....	Military Standards Promulgated by Standardization Div., Directorate of Logistic Services, DSA

7. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commanding General, US Army Electronics Command, ATTN: AMSEL-MA-CR, Fort Monmouth, N. J., 07703.

(Page 4 is next page)

SECTION II PRESCRIBED LOAD ALLOWANCE

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION	USABLE ON CODE	(3) 15-DAY ORG. MAINT. ALLOWANCE			
			(a)	(b)	(c)	(d)
			1-5	6-20	21-50	51-100
5355-667-9338	KNOB: SMB249242-1; (80063)					1
5355-990-8568	KNOB: 1220-02; (78189)				2	2
5920-280-5019	FUSE, CARTRIDGE: MS90078-27-1; (96906)				1	2
5920-308-0778	FUSE, CARTRIDGE: MS90078-20; (96906)				1	2
5960-188-3551	ELECTRON TUBE: 6AK6; (81349)		4	13	30	57
5960-188-3564	ELECTRON TUBE: 0A2W; (81349)		1	2	4	7
5960-262-0210	ELECTRON TUBE: 5814A; (81349)		1	2	6	11
5960-262-1357	ELECTRON TUBE: 5654-6AK5W; (81349)		3	10	22	42
5960-681-0301	SHIELD, ELECTRON TUBE: MS24232-5; (96906)			2	2	3
5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)					1
5960-686-8087	SHIELD, ELECTRON TUBE: MS2433-5; (96906)					1
5960-985-8987	ELECTRON TUBE: 6DC6; (81349)		3	9	20	38
6240-155-7857	LAMP, INCANDESCENT: MS25237-328; (96906)					1
	ELECTRON TUBE: 26ZW; (81349)		2	5	10	18
	ELECTRON TUBE: 5749-6BA6W; (81349)				2	3
	ELECTRON TUBE: 6C4; (81349)		3	8	18	33
	FUSE, CARTRIDGE: MS90078-4; (96906)				1	2
	KNOB: SMB249242-2; (80063)					1
	LAMP, NEON: NE45; (81349)					1
	SETSCREW: SMB283170; (80063)				1	1

SECTION III REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUSTRATIONS	
						(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P--0	5960-188-3564	ELECTRON TUBE: 0A2W; (81349)		EA	1	1	2	4	7	2	ALA2V605
P--0	5960-263-9913	SHIELD, ELECTRON TUBE: SMB249207; (80063)		EA	1	*	*	*	*		ALA2E605
P--0	5960-188-3551	ELECTRON TUBE: 6AK6; (81349)		EA	2	4	13	30	51	2	ALA2V603
P--0	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)		EA	2	*	*	*	1		ALA2E603
P--0	5960-188-3551	ELECTRON TUBE: 6AK6; (81349)		EA	REF	REF	REF	REF	REF	2	ALA2V604
P--0	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)		EA	REF	REF	REF	REF	REF		ALA2E604
P--0	5960-262-0210	ELECTRON TUBE: 5814A; (81349)		EA	2	1	2	6	11	2	ALA2V601
P--0	5960-262-0210	ELECTRON TUBE: 5814A; (81349)		EA	REF	REF	REF	REF	REF	2	ALA2V602
P--0	5960-686-8087	SHIELD, ELECTRON TUBE: MS24233-5; (96906)		EA	2	*	*	*	1		ALA2E601
P--0	5960-686-8087	SHIELD, ELECTRON TUBE: MS24233-5; (96906)		EA	REF	REF	REF	REF	REF		ALA2E602
P--0	5960-188-3551	ELECTRON TUBE: 6AK6; (81349)		EA	1	REF	REF	REF	REF	1	ALA3A4V504
P--0		ELECTRON TUBE: 5749-6BA6W; (81349)		EA	5	*	2	3	6	1	ALA3A4V501
P--0		ELECTRON TUBE: 5749-6BA6W; (81349)		EA	REF	REF	REF	REF	REF	1	ALA3A4V502
P--0		ELECTRON TUBE: 5749-6BA6W; (81349)		EA	REF	REF	REF	REF	REF	1	ALA3A4V503
P--0		ELECTRON TUBE: 5749-6BA6W; (81349)		EA	REF	REF	REF	REF	REF	1	ALA3A4V505
P--0		ELECTRON TUBE: 5749-6BA6W; (81349)		EA	REF	REF	REF	REF	REF	1	ALA3A4V508
P--0	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)		EA	6	REF	REF	REF	REF		ALA3A4E501
P--0	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)		EA	REF	REF	REF	REF	REF		ALA3A4E502
P--0	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)		EA	REF	REF	REF	REF	REF		ALA3A4E503
P--0	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)		EA	REF	REF	REF	REF	REF		ALA3A4E504
P--0	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)		EA	REF	REF	REF	REF	REF		ALA3A4E505
P--0	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)		EA	REF	REF	REF	REF	REF		ALA3A4E506
P--0	5960-262-0210	ELECTRON TUBE: 5814A; (81349)		EA	3	REF	REF	REF	REF	1	ALA3A4V506
P--0	5960-262-0210	ELECTRON TUBE: 5814A; (81349)		EA	REF	REF	REF	REF	REF	1	ALA3A4V507
P--0	5960-262-0210	ELECTRON TUBE: 5814A; (81349)		EA	REF	REF	REF	REF	REF	1	ALA3A4V509

SECTION III REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS USABLE ON CODE	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUSTRATIONS	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P--O	5960-681-0301	SHIELD, ELECTRON TUBE: MS24232-5; (96906)	EA	3	*	2	2	3		ALA3A4E507
P--O	5960-681-0301	SHIELD, ELECTRON TUBE: MS24232-5; (96906)	EA	REF	REF	REF	REF	REF		ALA3A4E508
P--O	5960-681-0301	SHIELD, ELECTRON TUBE: MS24232-5; (96906)	EA	REF	REF	REF	REF	REF		ALA3A4E509
P--O		ELECTRON TUBE: SMB283222; (80063)	EA	1	1	2	4	7		ALA3A4T510
P--O	5960-752-5857	SHIELD, ELECTRON TUBE: MS24233-6; (96906)	EA	1	*	*	*	*		ALA3A4E510
P--O	5955-250-0568	CRYSTAL UNIT QUARTZ: CR45U; (81349)	EA	1	*	*	*	*		ALA3A4CR501
P--O	5960-262-0210	ELECTRON TUBE: 5814A; (81349)	EA	2	REF	REF	REF	REF	1	ALA7V205
P--O	5960-262-0210	ELECTRON TUBE: 5814A; (81349)	EA	REF	REF	REF	REF	REF	1	ALA7V206
P--O	5960-681-0301	SHIELD, ELECTRON TUBE: MS24232-5; (96906)	EA	2	REF	REF	REF	REF	1	ALA7E205
P--O	5960-681-0301	SHIELD, ELECTRON TUBE: MS24232-5; (96906)	EA	REF	REF	REF	REF	REF		ALA7E206
P--O	5960-262-1357	ELECTRON TUBE: 5654-6AK5W; (81349)	EA	1	3	10	22	42	1	ALA7V207
P--O	5960-656-8119	SHIELD, ELECTRON TUBE: MS24233-1; (96906)	EA	1	*	*	*	*		ALA7E207
P--O		ELECTRON TUBE: 6C4; (81349)	EA	3	3	8	18	33	1	ALA7V202
P--O		ELECTRON TUBE: 6C4; (81349)	EA	REF	REF	REF	REF	REF	1	ALA7V203
P--O		ELECTRON TUBE: 6C4; (81349)	EA	REF	REF	REF	REF	REF	1	ALA7V204
P--O	5960-985-8987	ELECTRON TUBE: 6DC6; (81349)	EA	1	3	9	20	38	1	ALA7V201
P--O	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)	EA	4	REF	REF	REF	REF		ALA7E201
P--O	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)	EA	REF	REF	REF	REF	REF		ALA7E202
P--O	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)	EA	REF	REF	REF	REF	REF		ALA7E203
P--O	5960-686-8085	SHIELD, ELECTRON TUBE: MS24233-2; (96906)	EA	REF	REF	REF	REF	REF		ALA7E204
P--O		CRYSTAL UNIT QUARTZ: CR36U1000KC; (81349)	EA	1	*	*	*	*	3	ALA8Y401
P--O		CRYSTAL UNIT QUARTZ: CR36U10500KC; (81349)	EA	1	*	*	*	*	3	ALA8Y402
P--O	5955-267-4199	CRYSTAL UNIT QUARTZ: CR36U11000KC; (81349)	EA	1	*	*	*	*	3	ALA8Y403
P--O	5955-267-4197	CRYSTAL UNIT QUARTZ: CR36U11500KC; (81349)	EA	1	*	*	*	*	3	ALA8Y404
P--O	5955-881-9393	CRYSTAL UNIT QUARTZ: CR36U12000KC; (81349)	EA	1	*	*	*	*	3	ALA8Y405

SECTION III REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS USABLE ON CODE	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUSTRATIONS	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P--0	5955-667-2665	CRYSTAL UNIT QUARTZ: CR36U12500KC; (81349)	EA	1	*	*	*	*	3	ALA8Y406
P--0	5955-267-4196	CRYSTAL UNIT QUARTZ: CR36U13000KC; (81349)	EA	1	*	*	*	*	3	ALA8Y407
P--0	5955-267-4208	CRYSTAL UNIT QUARTZ: CR36U9000KC; (81349)	EA	1	*	*	*	*	3	ALA8Y408
P--0		CRYSTAL UNIT QUARTZ: CR36U14000KC; (81349)	EA	1	*	*	*	*	3	ALA8Y409
P--0	5955-892-3604	CRYSTAL UNIT QUARTZ: CR36U15000KC; (81349)	EA	1	*	*	*	*	3	ALA8Y410
P--0	5955-665-3404	CRYSTAL UNIT QUARTZ: CR36U16000KC; (81349)	EA	1	*	*	*	*	3	ALA8Y411
P--0		CRYSTAL UNIT QUARTZ: CR36U17000KC; (81349)	EA	1	*	*	*	*	3	ALA8Y412
P--0	5955-267-4205	CRYSTAL UNIT QUARTZ: CR36U9500KC; (81349)	EA	1	*	*	*	*	3	ALA8Y413
P--0	5955-087-0603	CRYSTAL UNIT QUARTZ: CR36U14500KC; (81349)	EA	1	*	*	*	*	3	ALA8Y414
P--0		CRYSTAL UNIT QUARTZ: CR36U15500KC; (81349)	EA	1	*	*	*	*	3	ALA8Y415
P--0	5960-262-1357	ELECTRON TUBE: 5654-6AK5W; (81349)	EA	1	REF	REF	REF	REF	1	ALA8V401
P--0	5960-656-8119	SHIELD, ELECTRON TUBE: MS24233-1; (96906)	EA	1	REF	REF	REF	REF		ALA8E401
P--0		ELECTRON TUBE: 2625W; (81349)	EA	2	2	5	10	18	2	ALA5V801
P--0		ELECTRON TUBE: 2625W; (81349)	EA	REF	REF	REF	REF	REF	2	ALA5V802
P--0	5960-681-0301	SHIELD, ELECTRON TUBE: MS24232-5; (96906)	EA	2	REF	REF	REF	REF		ALA5E801
P--0	5960-681-0301	SHIELD, ELECTRON TUBE: MS24232-5; (96906)	EA	REF	REF	REF	REF	REF		ALA5E802
P--0	5355-990-8568	KNOB: 1220-02; (78189)	EA	1	*	*	2	2		ALA34J102H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)	EA	1	REF	REF	REF	REF		ALA34R104H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)	EA	1	REF	REF	REF	REF		ALA34R105H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)	EA	1	REF	REF	REF	REF		ALA34R103H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)	EA	1	REF	REF	REF	REF		ALA34S101H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)	EA	1	REF	REF	REF	REF		ALA34S103H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)	EA	1	REF	REF	REF	REF		ALA34S105H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)	EA	1	REF	REF	REF	REF		ALA34S104H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)	EA	1	REF	REF	REF	REF		ALA34S107H1

SECTION III REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS USABLE ON CODE	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUSTRATIONS	
					(a)	(b)	(c)	(d)	(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
					1-5	6-20	21-50	51-100		
P--0	5355-990-8568	KNOB: 1220-02; (78189)		EA	1	REF	REF	REF	REF	ALA34S102H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)		EA	1	REF	REF	REF	REF	ALA34MP3H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)		EA	1	REF	REF	REF	REF	ALA34MP4H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)		EA	1	REF	REF	REF	REF	ALA34MP6H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)		EA	1	REF	REF	REF	REF	ALA34MP7H1
P--0		KNOB: 1224-02; (78179)		EA	1	*	*	*	*	ALA34MP8H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)		EA	1	REF	REF	REF	REF	ALA34R120H1
P--0	5355-990-8568	KNOB: 1220-02; (78189)		EA	1	REF	REF	REF	REF	ALA34MP14H1
P--0	6240-155-7857	LAMP, INCANDESCENT: MS25237-328; (96906)		EA	2	*	*	*	1	ALA34A36I101
P--0	6240-155-7857	LAMP, INCANDESCENT: MS25237-328; (96906)		EA	REF	REF	REF	REF	REF	ALA34A36I102
P--0		FUSE, CARTRIDGE: MS90078-4; (96906)		EA	1	*	*	1	2	ALA37F103
P--0	5920-280-5019	FUSE, CARTRIDGE: MS90078-27-1; (96906)		EA	1	*	*	1	2	ALA37F101
P--0	5920-308-0778	FUSE, CARTRIDGE: MS90078-20; (96906)		EA	1	*	*	1	2	ALA37F102
P--0	5355-990-8568	KNOB: 1220-02; (78189)		EA	1	REF	REF	REF	REF	ALA37S106H1
P--0		LAMP, NEON: NE45; (81349)		EA	1	*	*	*	1	AK1011103
P--0	5355-669-1711	KNOB: SMB249242-3; (80063)		EA	2	*	*	*	*	ALMP21
P--0		SETSCREW: SMB283170; (80063)		EA	2	*	*	1	1	ALMP21H1
P--0	5355-669-1711	KNOB: SMB249242-3; (80063)		EA	REF	REF	REF	REF	REF	ALMP22
P--0		SETSCREW: SMB283170; (80063)		EA	REF	REF	REF	REF	REF	ALMP22H1
P--0		KNOB: SMB249242-2; (80063)		EA	5	*	*	*	1	ALMP23
P--0		SETSCREW: SMB283170; (80063)		EA	5	REF	REF	REF	REF	ALMP23H1
P--0		KNOB: SMB249242-2; (80063)		EA	REF	REF	REF	REF	REF	ALMP24
P--0		SETSCREW: SMB283170; (80063)		EA	REF	REF	REF	REF	REF	ALMP24H1
P--0		KNOB: SMB249242-2; (80063)		EA	REF	REF	REF	REF	REF	ALMP25
P--0		SETSCREW: SMB283170; (80063)		EA	REF	REF	REF	REF	REF	ALMP25H1

SECTION III REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUSTRATIONS	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P--O		KNOB: SMB249242-2; (80063)	EA	REF	REF	REF	REF	REF		ALMP26
P--O		SETSCREW: SMB283170; (80063)	EA	REF	REF	REF	REF	REF		ALMP26H1
P--O		KNOB: SMB249242-2; (80063)	EA	REF	REF	REF	REF	REF		ALMP27
P--O		SETSCREW: SMB283170; (80063)	EA	REF	REF	REF	REF	REF		ALMP27H1
P--O	5355-667-9338	KNOB: SMB249242-1; (80063)	EA	8	*	*	*	1		ALMP28
P--O		SETSCREW: SMB283170; (80063)	EA	8	REF	REF	REF	REF		ALMP28H1
P--O	5355-667-9338	KNOB: SMB249242-1; (80063)	EA	REF	REF	REF	REF	REF		ALMP29
P--O		SETSCREW: SMB283170; (80063)	EA	REF	REF	REF	REF	REF		ALMP29H1
P--O	5355-667-9338	KNOB: SMB249242-1; (80063)	EA	REF	REF	REF	REF	REF		ALMP30
P--O		SETSCREW: SMB283170; (80063)	EA	REF	REF	REF	REF	REF		ALMP30H1
P--O	5355-667-9338	KNOB: SMB249242-1; (80063)	EA	REF	REF	REF	REF	REF		ALMP31
P--O		SETSCREW: SMB283170; (80063)	EA	REF	REF	REF	REF	REF		ALMP31H1
P--O	5355-667-9338	KNOB: SMB249242-1; (80063)	EA	REF	REF	REF	REF	REF		ALMP32
P--O		SETSCREW: SMB283170; (80063)	EA	REF	REF	REF	REF	REF		ALMP32H1
P--O	5355-667-9338	KNOB: SMB249242-1; (80063)	EA	REF	REF	REF	REF	REF		ALMP33
P--O		SETSCREW: SMB283170; (80063)	EA	REF	REF	REF	REF	REF		ALMP33H1
P--O	5355-667-9338	KNOB: SMB249242-1; (80063)	EA	REF	REF	REF	REF	REF		ALMP34
P--O		SETSCREW: SMB283170; (80063)	EA	REF	REF	REF	REF	REF		ALMP34H1
P--O	5355-667-9338	KNOB: SMB249242-1; (80063)	EA	REF	REF	REF	REF	REF		ALMP35
P--O		SETSCREW: SMB283170; (80063)	EA	REF	REF	REF	REF	REF		ALMP35H1
P--O		KNOB: SMB249243; (80063)	EA	2	*	*	*	*		ALMP36
P--O		KNOB: SMB249243; (80063)	EA	REF	REF	REF	REF	REF		ALMP37
P--O	5920-280-5019	FUSE, CARTRIDGE: MS90078-27-1; (96906)	EA	1	REF	REF	REF	REF		ALF101
P--O	5920-308-0778	FUSE, CARTRIDGE: MS90078-20; (96906)	EA	1	REF	REF	REF	REF		ALF102
P--O		FUSE CARTRIDGE: MS90078-4; (96906)	EA	1	REF	REF	REF	REF		ALF103

**SECTION V INDEX-FEDERAL STOCK NUMBER & REFERENCE NUMBER CROSS-REFERENCE
TO FIGURE & ITEM NUMBER**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5355-667-9338		ALMP28	5955-665-3404	3	ALA8Y411	5960-686-8085		ALA7E204
5355-667-9338		ALMP29	5955-667-2665	3	ALA8Y406	5960-686-8087		ALA2E601
5355-667-9338		ALMP30	5955-881-9393	3	ALA8Y405	5960-686-8087		ALA2E602
5355-667-9338		ALMP31	5955-892-3604	3	ALA8Y410	5960-752-5857		ALA3A4E510
5355-667-9338		ALMP32	5960-188-3551	2	ALA2V603	5960-985-8987	1	ALA7V201
5355-667-9338		ALMP33	5960-188-3551	2	ALA2V604	6240-155-7857		ALA3A4E361101
5355-667-9338		ALMP34	5960-188-3551	1	ALA3A4V504	6240-155-7857		ALA3A4E361102
5355-667-9338		ALMP35	5960-188-3564	2	ALA2V605			
5355-669-1711		ALMP21	5960-262-0210	2	ALA2V601	REF NO.	MFG CO.	FIG NO. ITEM NO. OR REF DES.
5355-669-1711		ALMP22	5960-262-0210	2	ALA2V602	CR36U1000KC	81349	3 ALA8Y401
5355-990-8568		ALA34J102H1	5960-262-0210	1	ALA3A4V506	CR36U10500KC	81349	3 ALA8Y402
5355-990-8568		ALA34MP14H1	5960-262-0210	1	ALA3A4V507	CR36U11000KC	81349	3 ALA8Y403
5355-990-8568		ALA34MP3H1	5960-262-0210	1	ALA3A4V509	CR36U11500KC	81349	3 ALA8Y404
5355-990-8568		ALA34MP4H1	5960-262-0210	1	ALA7V205	CR36U12000KC	81349	3 ALA8Y405
5355-990-8568		ALA34MP6H1	5960-262-0210	1	ALA7V206	CR35U12500KC	81349	3 ALA8Y406
5355-990-8568		ALA34MP7H1	5960-262-1357	1	ALA7V207	CR36U13000KC	81349	3 ALA8Y407
5355-990-8568		ALA34R103H1	5960-262-1357	1	ALA8V401	CR36U14000KC	81349	3 ALA8Y409
5355-990-8568		ALA34R104H1	5960-263-9913		ALA2E605	CR36U14500KC	81349	3 ALA8Y414
5355-990-8568		ALA34R105H1	5960-656-8119		ALA7E207	CR36U15000KC	81349	3 ALA8Y410
5355-990-8568		ALA34R120H1	5960-656-8119		ALA8E401	CR36U15500KC	81349	3 ALA8Y415
5355-990-8568		ALA34S101H1	5960-681-0301	1	ALA3A4E507	CR36U16000KC	81349	3 ALA8Y411
5355-990-8568		ALA34S102H1	5960-681-0301		ALA3A4E508	CR36U17000KC	81349	3 ALA8Y412
5355-990-8568		ALA34S103H1	5960-681-0301		ALA3A4E509	CR36U9000KC	81349	3 ALA8Y408
5355-990-8568		ALA34S104H1	5960-681-0301		ALA5E801	CR36U9500KC	81349	3 ALA8Y413
5355-990-8568		ALA34S105H1	5960-681-0301		ALA5E802	CR45U	81349	ALA3A4CR501
5355-990-8568		ALA34S107H1	5960-681-0301	1	ALA7E205	MS24232-5	96906	ALA3A4E507
5355-990-8568		ALA37S106H1	5960-681-0301		ALA7E206	MS24232-5	96906	ALA3A4E508
5920-280-5019		ALA37F101	5960-686-8085		ALA2E603	MS24232-5	96906	ALA3A4E509
5920-280-5019		ALF101	5960-686-8085		ALA2E604	MS24232-5	96906	ALA5E801
5920-308-0778		ALA37F102	5960-686-8085		ALA3A4E501	MS24232-5	96906	ALA5E802
5920-308-0778		ALF102	5960-686-8085		ALA3A4E502	MS24232-5	96906	ALA7E205
5955-087-0603	3	ALA8Y414	5960-686-8085		ALA3A4E503	MS24232-5	96906	ALA7E206
5955-250-0568		ALA3A4CR501	5960-686-8085		ALA3A4E504	MS24233-1	96906	ALA7E207
5955-267-4196	3	ALA8Y407	5960-686-8085		ALA3A4E505	MS24233-1	96906	ALA8E401
5955-267-4197	3	ALA8Y404	5960-686-8085		ALA3A4E506	MS24233-2	96906	ALA2E603
5955-267-4199	3	ALA8Y403	5960-686-8085		ALA7E201	MS24233-2	96906	ALA2E604
5955-267-4205	3	ALA8Y413	5960-686-8085		ALA7E202	MS24233-2	96906	ALA3A4E501
5955-267-4208	3	ALA8Y408	5960-686-8085		ALA7E203	MS24233-2	96906	ALA3A4E502

**SECTION V INDEX-FEDERAL STOCK NUMBER & REFERENCE NUMBER CROSS-REFERENCE
TO FIGURE & ITEM NUMBER (Continued)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
REF NO.	MFG CO.	FIG NO. ITEM NO. OR REF DES.	REF NO.	MFG CO.	FIG NO. ITEM NO. OR REF DES.	REF NO.	MFG CO.	FIG NO. ITEM NO. OR REF DES.
MS24233-2	96906	ALA3A4E503	SMB283170	80063	ALMP28H1	5654-6AK5W	81349	1 ALA8V401
MS24233-2	96906	ALA3A4E504	SMB283170	80063	ALMP29H1	5749-6BA6W	81349	1 ALA3A4V501
MS24233-2	96906	ALA3A4E505	SMB283170	80063	ALMP30H1	5749-6BA6W	81349	1 ALA3A4V502
MS24233-2	96906	ALA3A4E506	SMB283170	80063	ALMP31H1	5749-6BA6W	81349	1 ALA3A4V503
MS24233-2	96906	ALATE201	SMB283170	80063	ALMP32H1	5749-6BA6W	81349	1 ALA3A4V505
MS24233-2	96906	ALATE202	SMB283170	80063	ALMP33H1	5749-6BA6W	81349	1 ALA3A4V508
MS24233-2	96906	ALATE203	SMB283170	80063	ALMP34H1	5814A	81349	2 ALA2V601
MS24233-2	96906	ALATE204	SMB283170	80063	ALMP35H1	5814A	81349	2 ALA2V602
MS24233-5	96906	ALA2E601	SMB283222	80063	ALA3A4T510	5814A	81349	1 ALA3A4V506
MS24233-5	96906	ALA2E602	SMB249242-2	80063	ALMP23	5814A	81349	1 ALA3A4V507
MS24233-6	96906	ALA3A4E510	SMB249242-2	80063	ALMP24	5814A	81349	1 ALA3A4V509
MS25237-328	96906	ALA34A36I101	SMB249242-2	80063	ALMP25	5814A	81349	1 ALA7V205
MS25237-328	96906	ALA34A36I102	SMB249242-2	80063	ALMP26	5814A	81349	1 ALA7V206
MS90078-20	96906	ALA37F102	SMB249242-2	80063	ALMP27	6AK6	81349	2 ALA2V603
MS90078-20	96906	ALF102	SMB249243	80063	ALMP36	6AK6	81349	2 ALA2V604
MS90078-27-1	96906	ALA37F101	SMB249243	80063	ALMP37	6AK6	81349	1 ALA3A4V504
MS90078-27-1	96906	ALF101	0A2W	81349	2 ALA2V605	6C4	81349	1 ALA7V202
MS90078-4	96906	ALA37F103	1220-02	78189	ALA34J102H1	6C4	81349	1 ALA7V203
MS90078-4	96906	ALF103	1220-02	78189	ALA34MP14H1	6C4	81349	1 ALA7V204
NE45	81349	ALK101I103	1220-02	78189	ALA34MP3H1	6DC6	81349	1 ALA7V201
SMB249207	80063	ALA2E605	1220-02	78189	ALA34MP4H1			
SMB249242-1	80063	ALMP28	1220-02	78189	ALA34MP6H1			
SMB249242-1	80063	ALMP29	1220-02	78189	ALA34MP7H1			
SMB249242-1	80063	ALMP30	1220-02	78189	ALA34R103H1			
SMB249242-1	80063	ALMP31	1220-02	78189	ALA34R104H1			
SMB249242-1	80063	ALMP32	1220-02	78189	ALA34R105H1			
SMB249242-1	80063	ALMP33	1220-02	78189	ALA34R120H1			
SMB249242-1	80063	ALMP34	1220-02	78189	ALA34S101H1			
SMB249242-1	80063	ALMP35	1220-02	78189	ALA34S102H1			
SMB249242-3	80063	ALMP21	1220-02	78189	ALA34S103H1			
SMB249242-3	80063	ALMP22	1220-02	78189	ALA34S104H1			
SMB283170	80063	ALMP21H1	1220-02	78189	ALA34S105H1			
SMB283170	80063	ALMP22H1	1220-02	78189	ALA34S107H1			
SMB283170	80063	ALMP23H1	1220-02	78189	ALA37S106H1			
SMB283170	80063	ALMP24H1	1224-02	78179	ALA34MP8H1			
SMB283170	80063	ALMP25H1	26Z5W	81349	2 ALA5V801			
SMB283170	80063	ALMP26H1	26Z5W	81349	2 ALA5V802			
SMB283170	80063	ALMP27H1	5654-6AK5W	81349	1 ALA7V207			

**SECTION VI INDEX-REFERENCE DESIGNATION
CROSS-REFERENCE TO PAGE NUMBER**

REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER
AlA2E601	5	AlA34MP7H1	8	AlA8Y403	6
AlA2E602	5	AlA34MP8H1	8	AlA8Y404	6
AlA2E603	5	AlA34R103H1	7	AlA8Y405	6
AlA2E604	5	AlA34R104H1	7	AlA8Y406	7
AlA2E605	5	AlA34R105H1	7	AlA8Y407	7
AlA2V601	5	AlA34R120H1	8	AlA8Y408	7
AlA2V602	5	AlA34S101H1	7	AlA8Y409	7
AlA2V603	5	AlA34S102H1	8	AlA8Y410	7
AlA2V604	5	AlA34S103H1	7	AlA8Y411	7
AlA2V605	5	AlA34S104H1	7	AlA8Y412	7
AlA3A4CR501	6	AlA34S105H1	7	AlA8Y413	7
AlA3A4E501	5	AlA34S107H1	7	AlA8Y414	7
AlA3A4E502	5	AlA37F101	8	AlA8Y415	7
AlA3A4E503	5	AlA37F102	8	AlF101	9
AlA3A4E504	5	AlA37F103	8	AlF102	9
AlA3A4E505	5	AlA37S106H1	8	AlF103	9
AlA3A4E506	5	AlA5E801	7	AlK101I103	8
AlA3A4E507	6	AlA5E802	7	AlMP21	8
AlA3A4E508	6	AlA5V801	7	AlMP21H1	8
AlA3A4E509	6	AlA5V802	7	AlMP22	8
AlA3A4E510	6	AlATE201	6	AlMP22H1	8
AlA3A4T510	6	AlATE202	6	AlMP23	8
AlA3A4V501	5	AlATE203	6	AlMP23H1	8
AlA3A4V502	5	AlATE204	6	AlMP24	8
AlA3A4V503	5	AlATE205	6	AlMP24H1	8
AlA3A4V504	5	AlATE206	6	AlMP25	8
AlA3A4V505	5	AlATE207	6	AlMP25H1	8
AlA3A4V506	5	AlA7V201	6	AlMP26	9
AlA3A4V507	5	AlA7V202	6	AlMP26H1	9
AlA3A4V508	5	AlA7V203	6	AlMP27	9
AlA3A4V509	5	AlA7V204	6	AlMP27H1	9
AlA34A36I101	8	AlA7V205	6	AlMP28	9
AlA34A36I102	8	AlA7V206	6	AlMP28H1	9
AlA34J102H1	7	AlA7V207	6	AlMP29	9
AlA34MP14H1	8	AlA8E401	7	AlMP29H1	9
AlA34MP3H1	8	AlA8V401	7	AlMP30	9
AlA34MP4H1	8	AlA8Y401	6	AlMP30H1	9
AlA34MP6H1	8	AlA8Y402	6	AlMP31	9

**SECTION VI INDEX-REFERENCE DESIGNATION
CROSS-REFERENCE TO PAGE NUMBER (Continued)**

REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER
ALMP31H1	9				
ALMP32	9				
ALMP32H1	9				
ALMP33	9				
ALMP33H1	9				
ALMP34	9				
ALMP34H1	9				
ALMP35	9				
ALMP35H1	9				
ALMP36	9				
ALMP37	9				

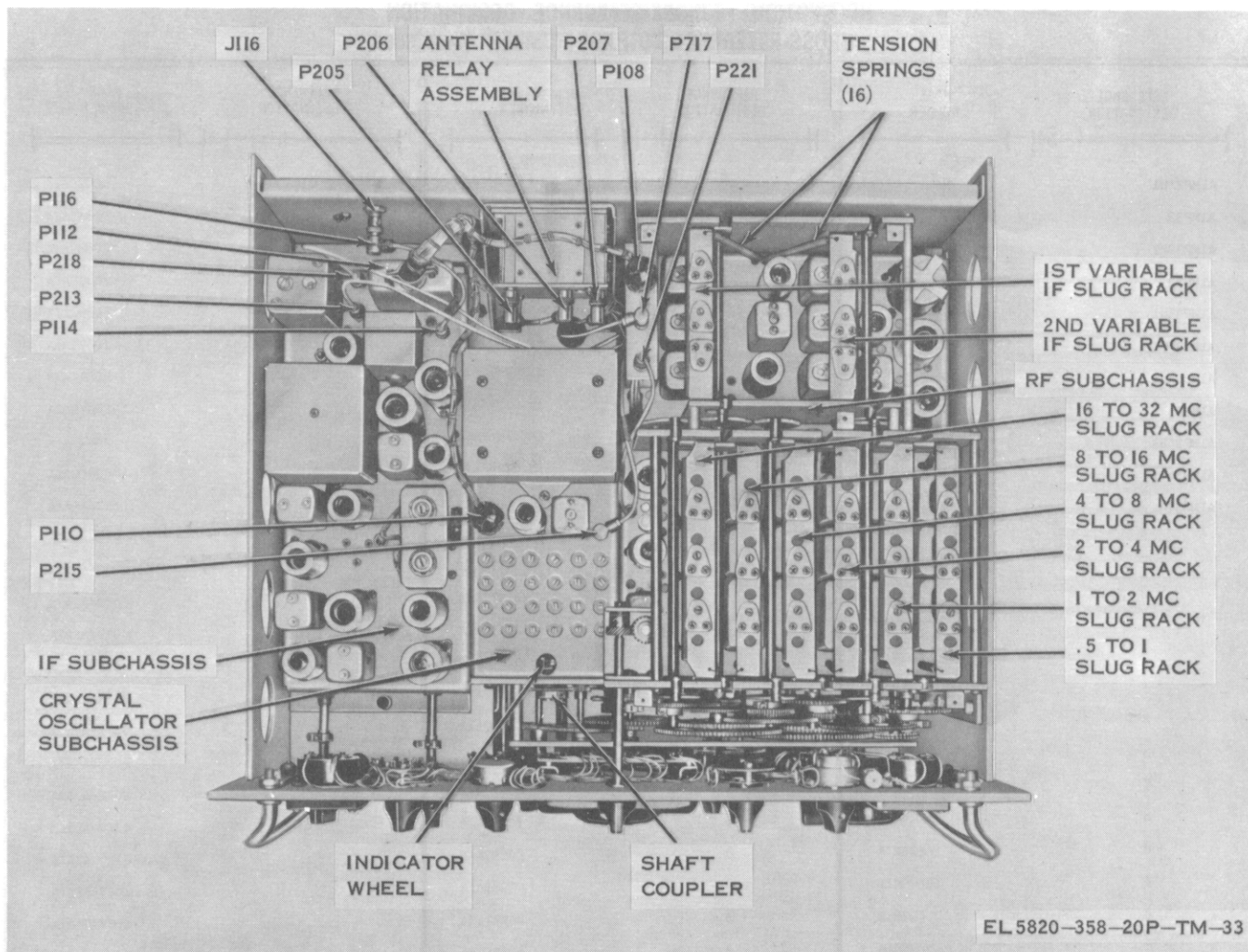


Figure 1. Radio Receiver R-390A/URR, top view.

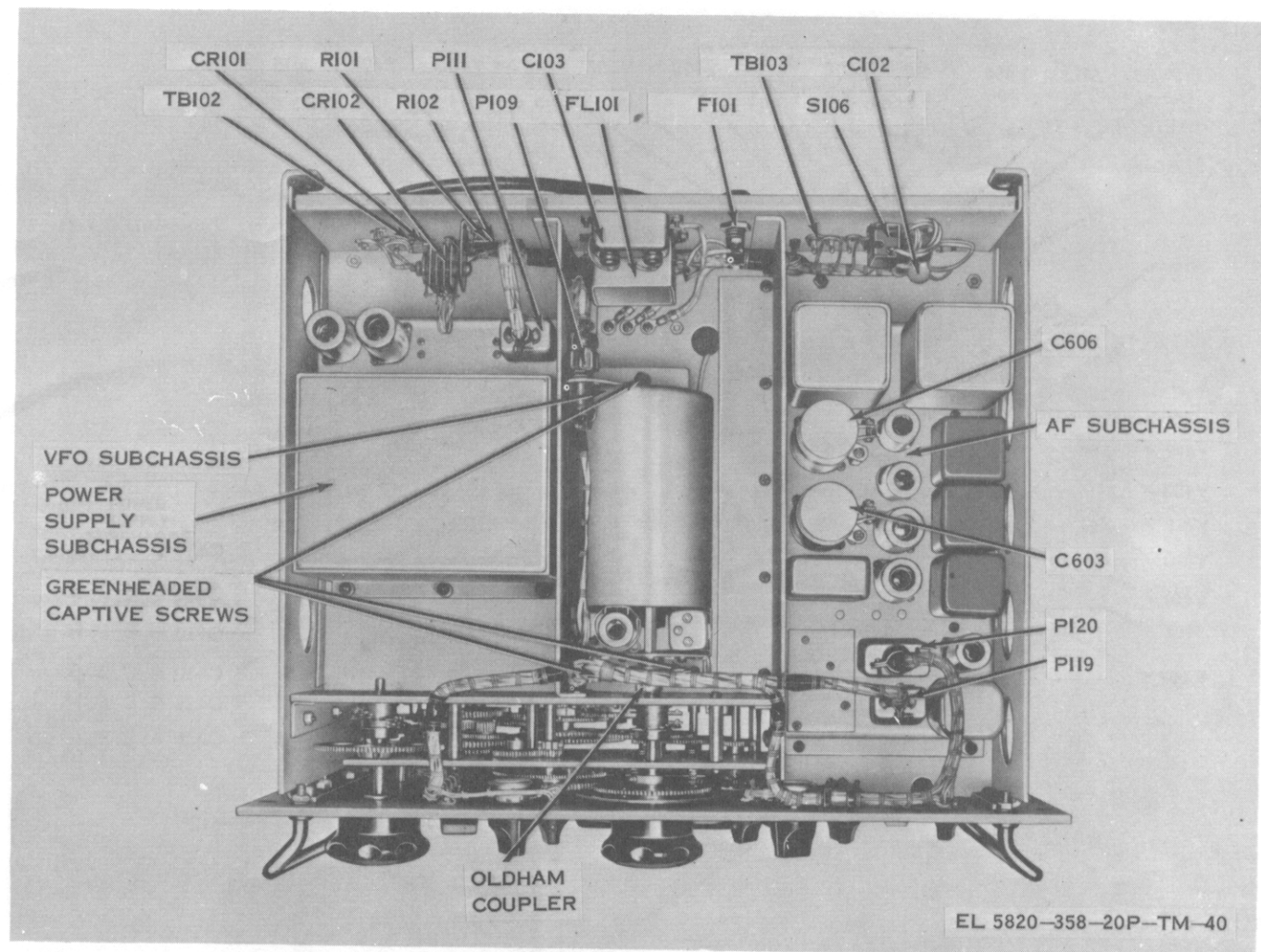


Figure 2. Radio Receiver R-390A/URR, bottom view.

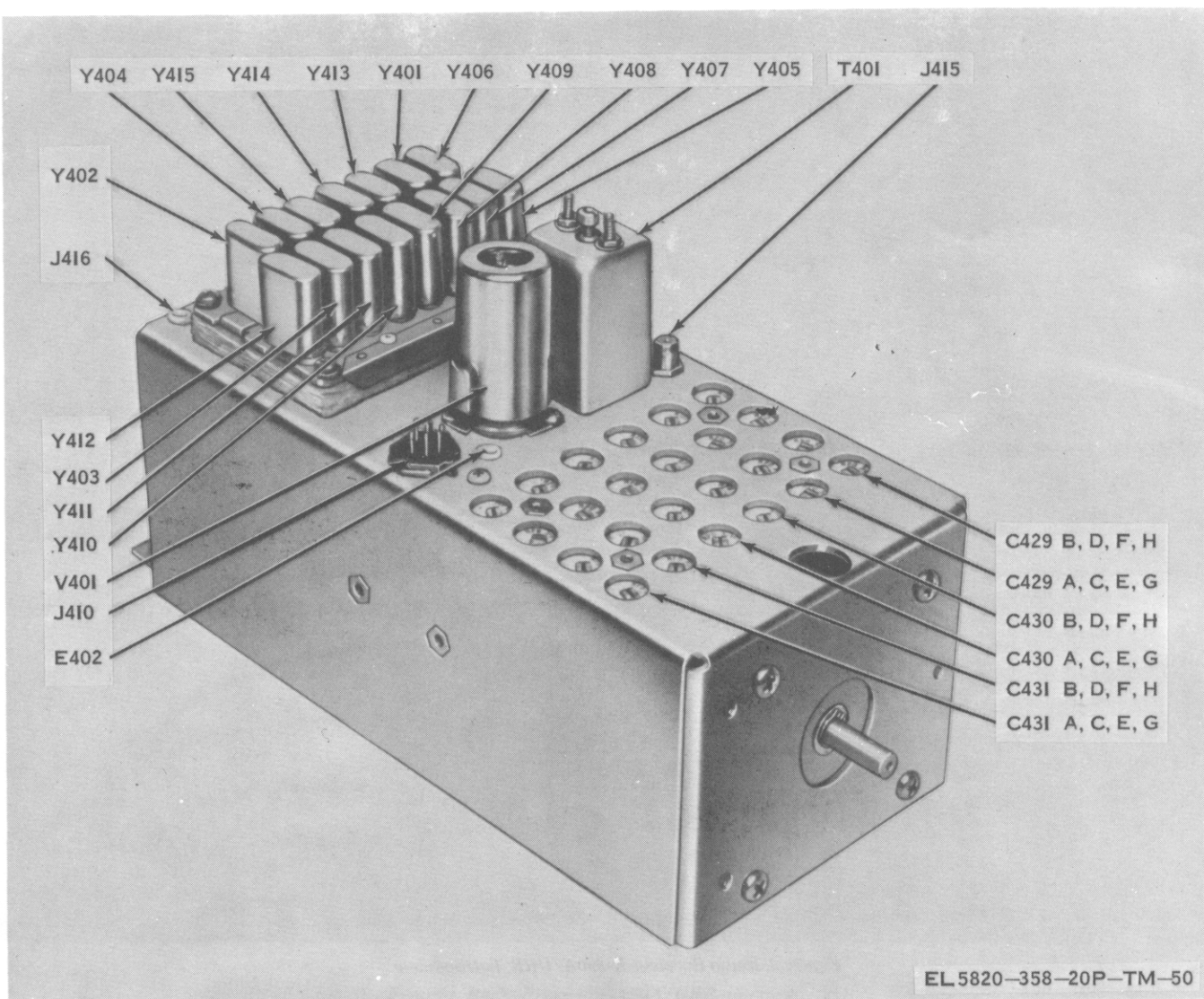


Figure 3. Crystal oscillator, top view.

By Order of the Secretary of the Army:

Official:

VERNE L. BOWERS,
*Major General, United States Army,
The Adjutant General.*

W. C. WESTMORELAND,
*General, United States Army,
Chief of Staff.*

Distribution:

To be distributed in accordance with DA Form 12-51 (qty rqr Block #902), Organizational maintenance requirements for R-390A/URR, radio receiver.

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