AN 16-45-401

ILLUSTRATED PARTS BREAKDOWN

VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1

(NORTHERN RADIO CO., INC.)

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SECTION I

INTRODUCTION

THYROL	JOCTION	
1-1. CONTENTS.	CODE	MANUFACTURER
1-2. This Illustrated Parts Breakdown illustrates and lists the assemblies and parts of Variable Master Os-	AB	Allen Bradley Co. Milwaukee, Wis.
cillator Type 115 Model 1 manufactured by Northern Radio Company, Inc., New York, New York. The Variable	АНН	Arrow-Hart and Hegeman Electric Co. Hartford, Conn.
Master Oscillator measures 10-1/2 inches high by 19 inches wide by 14 inches deep and weighs 54 pounds.	AMP	American Phenolic Corp. Chicago, Ill.
1-3. TABLE OF CONTENTS.	ANL	American Lava Corp. Chattanooga, Tenn.
1-4. The Table of Contents lists the first page of each	BGW	Boston Gear Works Inc. succ. by Boston Gear Works Div.
section in the Illustrated Parts Breakdown. It also designates the initial page of illustrations and the ini-	CDCM	Murray Co. of Texas Chicago Die Casting Manufacturing Co.
tial page of the parts list for each component within the Illustrations and Components Parts List, Section II.	CDN	Chicago, Ill. Cardwell, Allen D Manufacturing Corp. Plainville, Conn.
1-5. ILLUSTRATIONS AND COMPONENTS	CGT	Cambridge Thermionic Corp. Cambridge, Mass.
PARTS LIST.	CIN	Cinch Manufacturing Co. Chicago, Ill.
1-6. This parts list is not to be considered as authority for disassembly or reassembly procedures. The	CLD	Cornell-Dubilier Electric Corp. South Plainfield, N. J.
parts list and accompanying illustrations are intended only as an aidin identifying and ordering parts. Servic-	CN	Centralab Div. Globe Union, Inc. Milwaukee, Wis.
ing, overhaul, or repair shall be done only by authorized personnel guided by applicable handbooks.	CPT	Croname, Inc. Chicago, Ill.
1-7. The Illustrations and Components Parts List, Section II, illustrates the equipment and lists the as-	DLC	Dial Light Co. of America, Inc. New York, N.Y.
semblies, sub-assemblies, and detail parts according to assigned reference symbols.		Elco Corp. Philadelphia, Pa.
1-8. The numbers, listed alpha-numerically under the	ERC	Erie Resistor Corp. Erie, Pa.
column heading "Reference Symbol No.," are the location numbers for the parts described or referenced op-	FLK FTC	Flintkote Co., The New York, N.Y. Feed Transformer Co.
posite them in the "Description" column. Bulk items (hardware items; i.e. screws, washer, nuts, terminals,	GCE	New York, N.Y. General Cement Manufacturing Co.
etc.) are assigned the same reference symbol within a component. The reference symbol is also used to key	GE	Rockford, Ill. General Electric Co.
the parts in the illustration(s). 1-9. The "Stock No." column lists the Air Force stock	GLEC	Schenectady, N.Y. General Electric Co.
number for the initial occurrence of an item. Subse-	HAW	Lamp Dept. Cleveland, Ohio Hubbel, Harvey, Inc.
quent occurrences of the same stock number in succeeding components are referenced to this initial occurrence.	HMM	Bridgeport, Conn. Hammarlund Manufacturing Co.
1-10. The "Description" column nomenclates and/or describes the item at the initial occurrence in a com-	ICA	New York, N.Y. Insuline Corp.
ponent. Subsequent listings of the same part within the component are described by noun name only and	IPC	Long Island City, N.Y. Industrial Products Co.
referenced to this first descriptive listing.		Div. of Knudsen Inc. Danbury, Conn.
1-11. The following manufacturer's code together with a part number has been used beneath the nomenclature	IRC	International Resistance Co. Philadelphia, Pa.

JNS

in the "Description" column to identify all items except Army-Navy, JAN or Northern Radio parts.

Jones, Howard B. Div. Cinch Mfg. Corp. Chicago, Ill.

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CODE	MANUFACTURER
KUE	Kurman Electric Co. Inc. Bay City, Mich.
LTF	Littelfuse, Inc. Chicago, Ill.
MAL	Mallory, P.R., and Co., Inc. Indianapolis, Ind.
MCLO	Mechanical Industries Production Co. Akron, Ohio
MFP	Stronghold Screw Products, Inc. Chicago, Ill.
MLL	Millen, James, Manufacturing Co., Inc. Malden, Mass.
NAC	National Co., Inc. Malden, Mass.
PCL	Premier Crystal Laboratories, Inc. New York, N. Y.
PK	Parker-Kalon Corp. New York, N. Y.
PRME	Precision Metal Products Co. Malden, Mass.
РТН	Philadelphia Thermometer Co. Philadelphia, Pa.
RAD	Radio Condenser Co. Camden, N. J.
SAS	States Co., The Hartford, Conn.
SH	Shakeproof, Inc. Div. Illinois Tool Works Chicago, Ill.
SMO	Sangamo Electric Co. North Adams, Mass.
STM	Stimpson, Edwin B., Co. Brooklyn, N. Y.
TIN	Tinnerman Products, Inc. Cleveland, Ohio
VEE	Veeder-Root, Inc. Hartford, Conn.
WAL	Ward Leonard Electric Co. Mount Vernon, N. Y.
₩MPC	Whitehead Metal Products Co., Inc. New York, N. Y.

1-12. When purchased parts are not assigned a number by the manufacturer or when the number assigned does not fully describe the item, the manufacturer's code will appear with a qualifying note "Coml." Part numbers appearing directly after the description and not identified in the foregoing manner are Northern Radio parts.

Newark, N. J.

Weston Electrical Instrument, Corp.

1-13. The total number of a bulk item used within a component is listed parenthetically following the description.

1-14. The "Source Code" column is for use of a code to designate the type of procurement for any one item.

1-15. SYMBOLS USED IN THE ILLUSTRATIONS AND COMPONENTS PARTS LIST.

1-16. An "*" appears in the "Stock No." column in lieu of an Air Force stock number for parts which are not subject to wear, loss, or failure. A "#" in the "Stock No." column used in conjunction with (NHA -) in the "Description" column signifies the part is not authorized for replenishment in itself, but can only be replaced by ordering the next higher assembly indicated. A "**" in the "Stock No." column denotes alternate parts at a reference symbol location. In such cases the preferred part is listed first.

1-17. MANUFACTURER'S PART NUMBER CROSS-INDEX TO REFERENCE SYMBOL NUMBER.

1-18. The Manufacturer's Part Number Cross-Index To Reference Symbol Number, Section III, is an alphanumerical listing of all the part numbers listed in the Illustrations and Components Parts List, Section II, cross referenced to their respective reference symbols and to the illustration figure in which they appear. The illustration referenced for bulk items (see paragraph 1-8) will be the first figure which pictures the item within each component. "No Number" or "Coml" parts are alpha-numerically arranged by main noun and further differentiating information.

1-19. SPECIAL SERVICE TOOLS.

1-20. Special Service Tools, Section IV list those tools which are specifically made for this equipment and must be obtained from Northern Radio.

1-21. USE OF PARTS CATALOG.

- 1-22. The following paragraphs provide information to facilitate rapid and accurate use of this Illustrated Parts Breakdown under various conditions.
- 1-23. If the part number is known and it is necessary to physically identify or locate the part, the part number should be located in the Manufacturer's Part Number Cross-Index to Reference Symbol Number, Section III. The reference symbol given should be located on the referencedillustration in the Illustrations and Components Parts List, Section II.
- 1-24. If the reference symbol is known and a part number is required, location of the reference symbol in the parts list of the Illustration and Components Parts List, Section II, will furnish full information.
- 1-25. If the physical appearance or location of a part is known, and a part number required, the item should be located in the illustrations of the Illustrations and Components Parts List, Section II. The information required can be obtained by tracing the reference symbol keyed to the part in the illustration to the component parts list.

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Figure 1. Variable Master Oscillator Type 115, Model 1

SECTION II
ILLUSTRATIONS AND
COMPONENTS PARTS
LIST



Figure 2. Variable Master Oscillator Type 115, Model 1

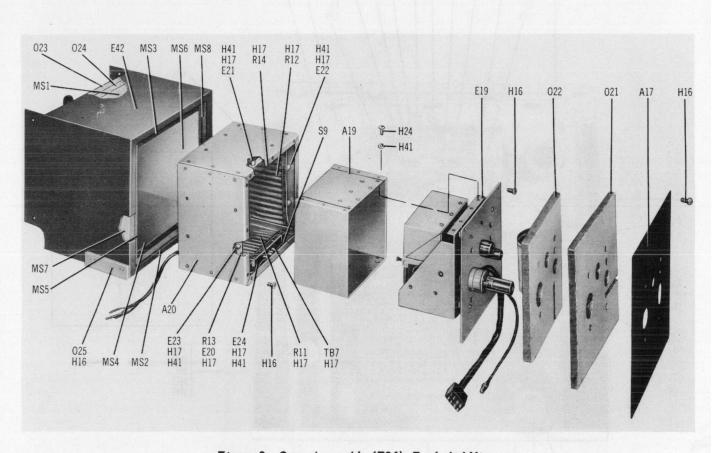


Figure 3. Oven Assembly (E36), Exploded View

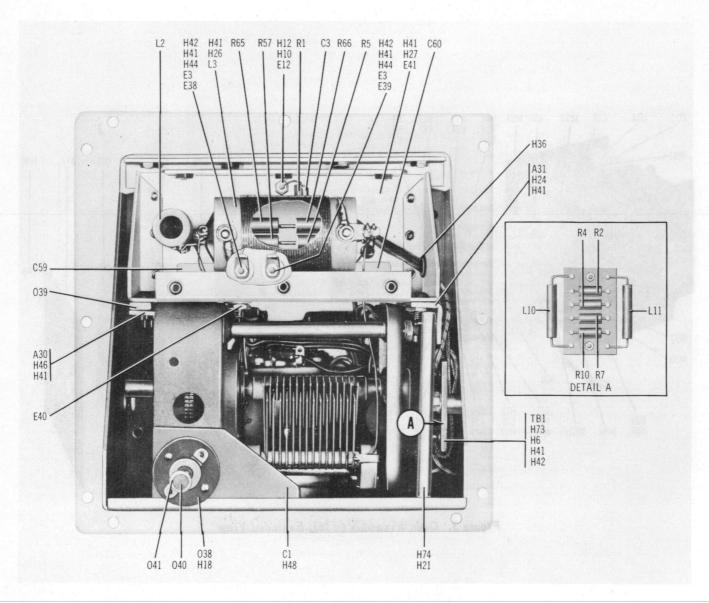


Figure 4. Inner Oven (E19), Front View

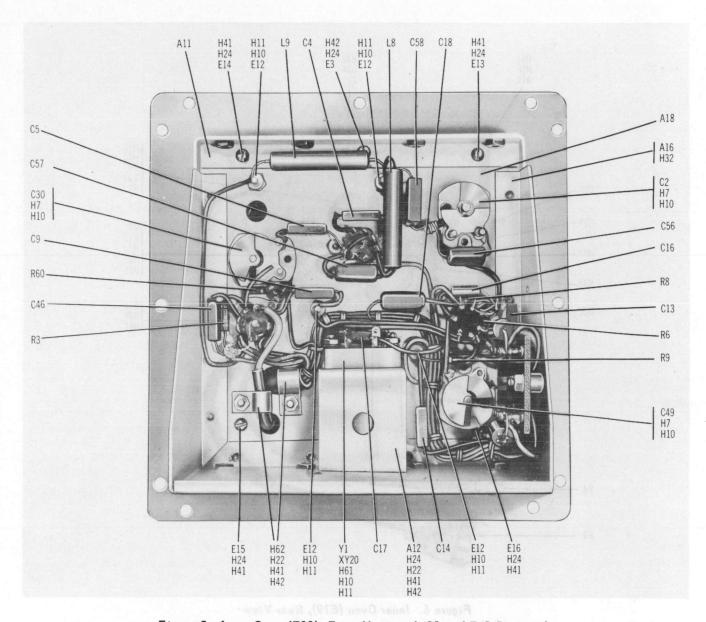


Figure 5. Inner Oven (E19), Front View with C1 and E41 Removed

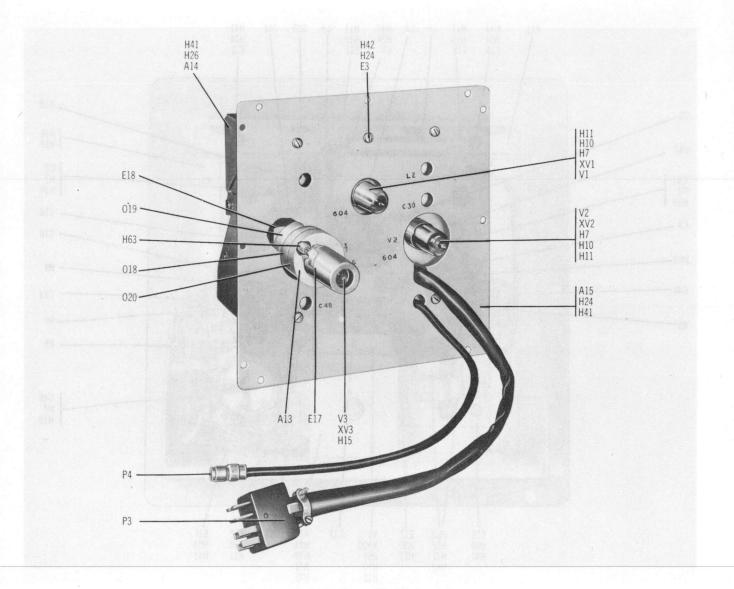


Figure 6. Inner Oven (E19), Rear View

8

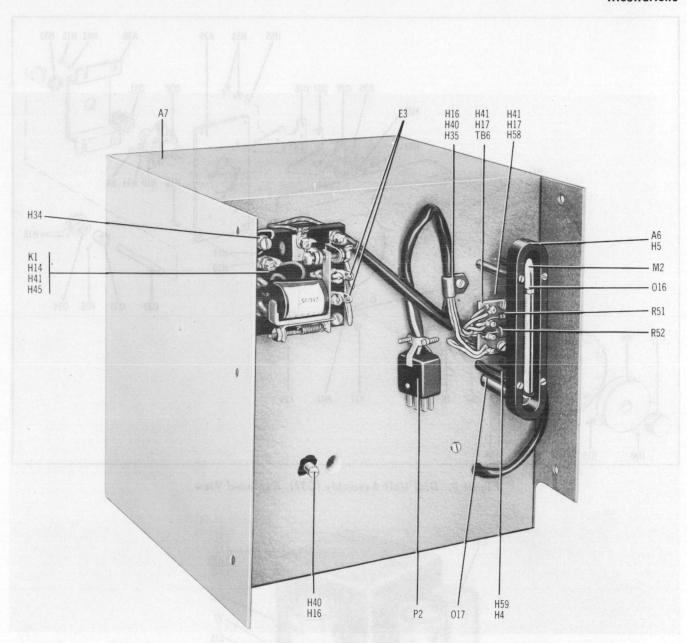


Figure 7. Outer Oven (E42), Front View

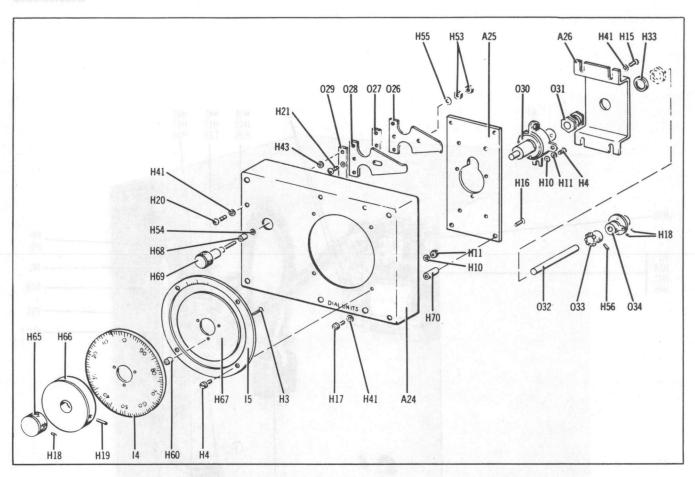


Figure 8. Dial Unit Assembly (037), Exploded View

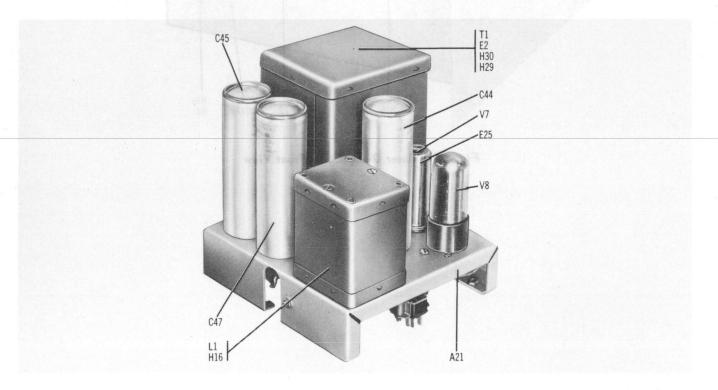


Figure 9. Power Supply Assembly (E43), Top View

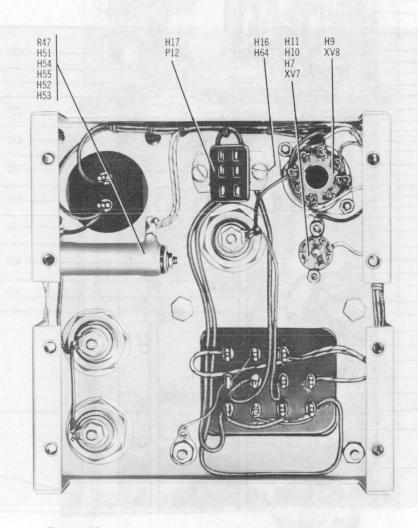


Figure 10. Power Supply Assembly (E43), Bottom View

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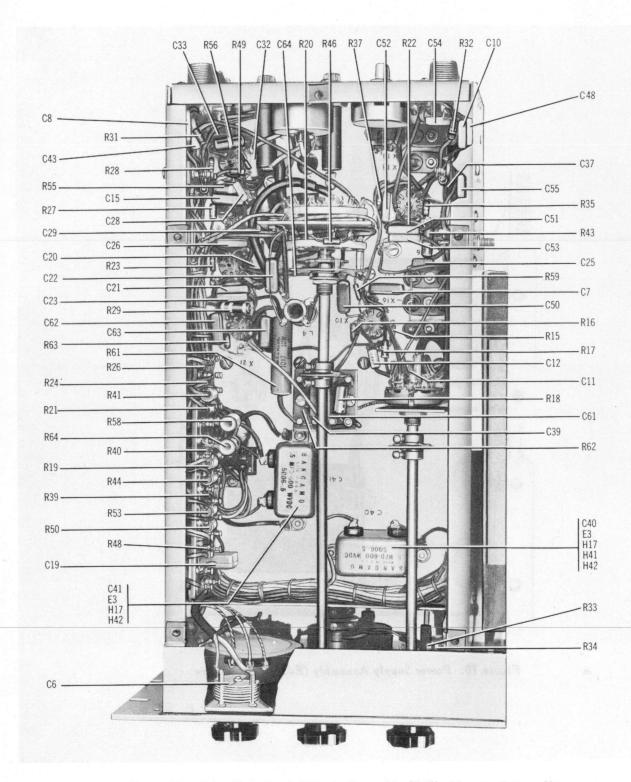


Figure 11. Front Panel and Chassis Assembly (E37), Chassis Bottom View

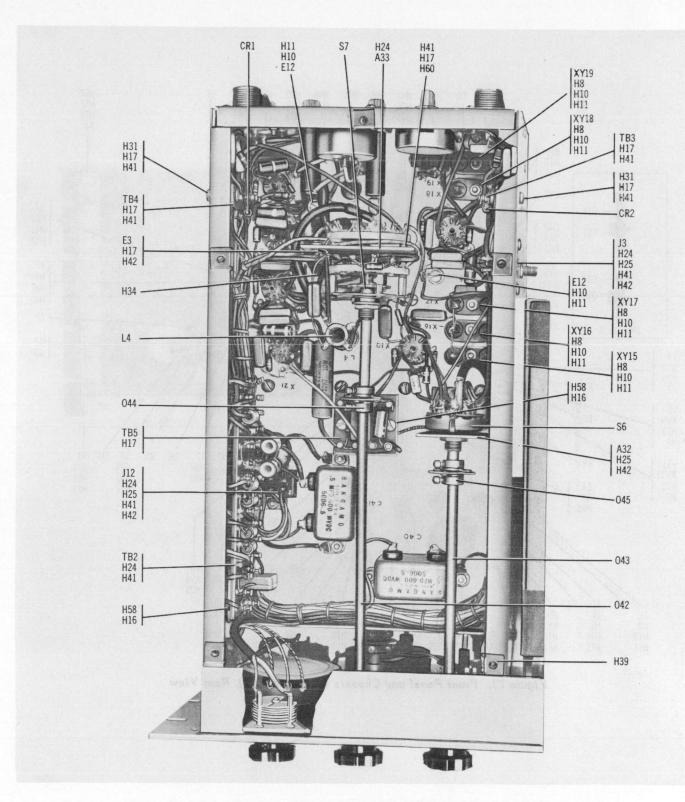


Figure 12. Front Panel and Chassis Assembly (E37), Chassis Bottom View

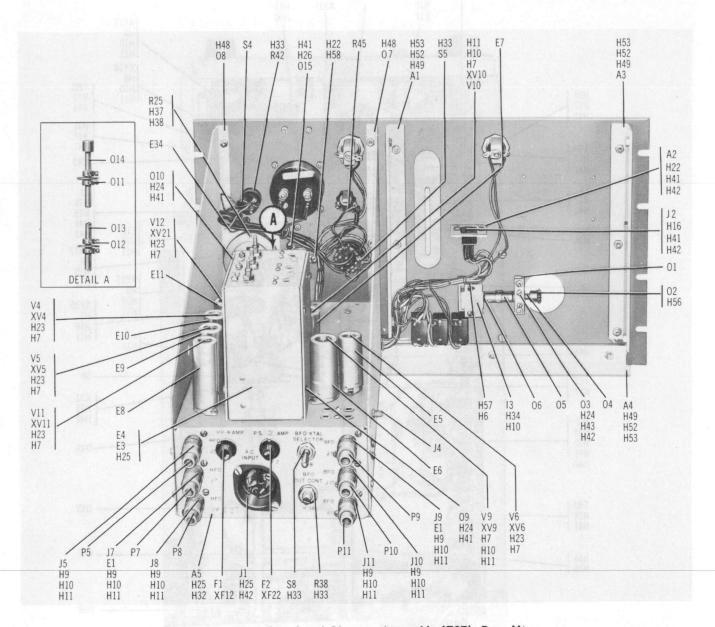


Figure 13. Front Panel and Chassis Assembly (E37), Rear View

Figure 12. Front Penet and Chassis Assembly (1937), Chassis Batton View

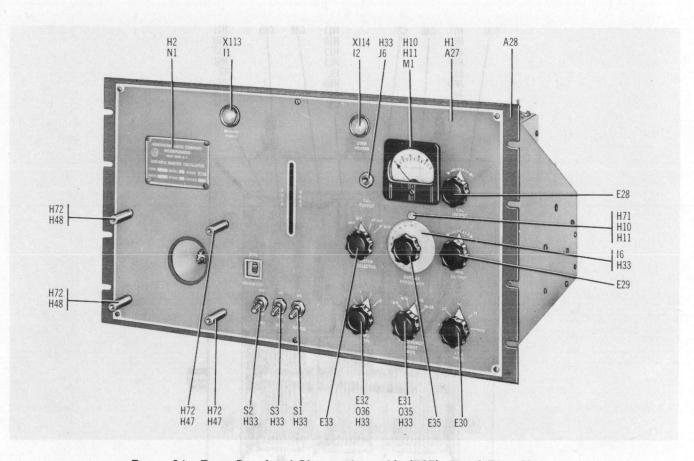


Figure 14. Front Panel and Chassis Assembly (E37), Panel Front View

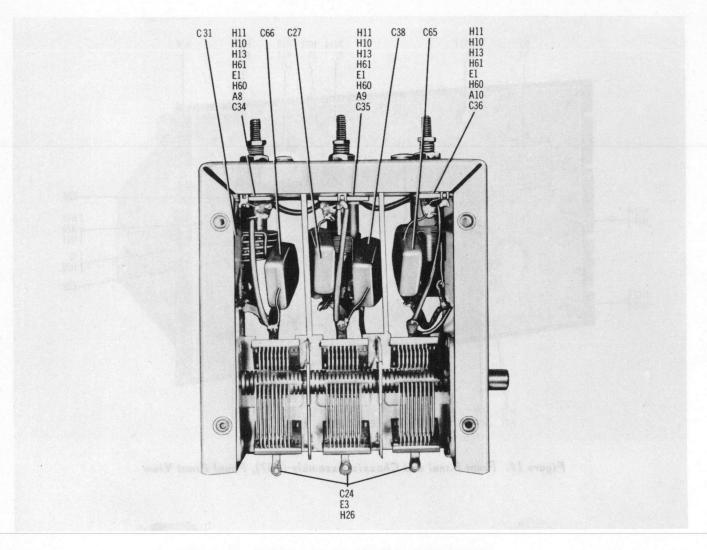


Figure 15. R-F Tuner Assembly (E4), Right Side View

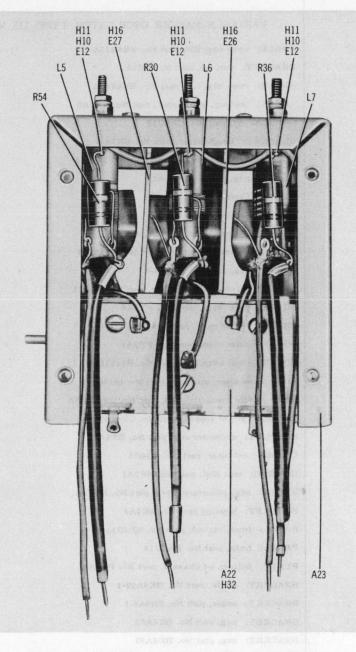


Figure 16. R-F Tuner Assembly (E4), Left Side View

Reference Symbol No.	Stock No.	Description	Source
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1	
A1		ANGLE: oven mtg, RH, part No. BK4A13A	
A2	*	BRACKET: support, part No. BK1A2	
А3		ANGLE: oven mtg, LH, part No. BK4A13B	
A4		ANGLE: bracing, front panel, part No. BK4A6	
A5	*	CHASSIS: r-f, part No. CZ4C15	
A6		BRACKET: thermometer, part No. BK7A2	
A7		BOX: outer oven, stripped, part No. OV2C2-1A	
A8		PLATE: mtg, part No. PT4A27	
A9		PLATE: Same as A8	
A10		PLATE: Same as A8	
A11		SUPPORT: inner oven, part No. A115116	
A12		BRACKET: calibrator, xtal, part No. A115114	
A13		PLATE: mtg, part No. PT1A1-1	
A14		COVER: shield, main inductor, part No. SH4B1	
A15		COVER: inner oven, part No. PT1A4	
A16		CHASSIS: inner oven, part No. C115118-1	
A17		COVER: outer oven, part No. PT2A4	
A 18		COVER: inner oven box, part No. B115117	
A19		BOX: inner oven, stripped, part No. OV4C6-1	
A20		BOX: middle oven, stripped, part No. OV4C5-5A	
A21	*	CHASSIS: power supply, part No. CZ4C17	
A22		BRACKET: capacitor mtg, part No. BK4A41	
A23	*	CHASSIS: r-f tuner, part No. SH4B3	
A24		HOUSING: unit dial, part No. NP2A1	
A25		PLATE: mtg, planetary drive, part No. PT1A3	
A26		BRACKET: housing part No. BK1A4	
A27		PANEL: front, etched, part No. NP4D13	
A28	*	PANEL: front, part No. PA2C14	
A29		PLATE: bottom, r-f chassis, part No. PT4A8	
A30	- 100	BRACKET: angle, part No. BK4A19-1	
A31		BRACKET: angle, part No. SH4A4-1	
A32		BRACKET: mtg, part No. BK4A40	
A33		BRACKET: mtg, part No. BK4A39	
CR1		CRYSTAL UNIT: rectifying	
CR2		GE part No. 1N48 CRYSTAL: Same as CR1	
Cı		CAPACITOR: variable, air dielectric, 220 mmf max, 21 mmf min CDN part No. 4.080	
C2		CAPACITOR: variable, air dielectric, 23 mmf max, 4 mmf min HMM part No. APC25	
С3		CAPACITOR: fixed, mica dielectric, 100 mmf ± 5%, 500 vdcw SMO part No. RR1310	
C4		CAPACITOR: fixed, mica dielectric, 1,000 mmf ± 10%, 500 vdcw SMO part No. KR1210	
C5		CAPACITOR: fixed, mica dielectric, 10 mmf ± 5%, 500 vdcw SMO part No. RR1410	

R ference Symbol No.	St ck N .	D scripti n	S urc
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
C6		CAPACITOR: variable, air dielectric, 52 mmf max, 3.7 mmf min HMM part No. HF50	ļ
C7		CAPACITOR: Same as C4	
C8		CAPACITOR: fixed, mica dielectric, 1,000 mmf ± 10%, 500 vdcw, SMO type No. K1210 SMO Com1	
С9		CAPACITOR: fixed, mica dielectric, 5 mmf ± 10%, 500 vdcw, SMO type No. K1550 SMO Comi	
C10		CAPACITOR: Same as C8	
Cli		CAPACITOR: Same as C8	
C12		CAPACITOR: fixed, ceramic dielectric, 10 mmf ± 5% mmf, 600 vdcw CN part No. TCZ10	
C13		CAPACITOR: Same as C8	
C14		CAPACITOR: Same as C8	
C15		CAPACITOR: Same as C8	
C16		CAPACITOR: Same as C12	
C17		CAPACITOR: Same as C4	
C18		CAPACITOR: fixed, mica dielectric, 10,000 mmf ± 10%, 300 vdcw, SMO type No. CO6110 SMO Coml	
C19		CAPACITOR: Same as C18	
C20		CAPACITOR: Same as C8	
C21		CAPACITOR: Same as C8	
C22		CAPACITOR: fixed, mica dielectric, 5,000 mmf ± 10%, 500 vdcw, SMO type No. C1250 SMO Coml	
C23		CAPACITOR: fixed, mica dielectric, 100 mmf ± 10%, 500 vdcw, SMO type	
		No. K1310 SMO Comi	
C24		CAPACITOR: variable, air dielectric, 3 sections, 266.5 mmf max, 8 mmf min, 266.5 mmf max, 8 mmf min, 266 mmf max, 8 mmf min RAD part No. 253119	
C24A	*	CAPACITOR: part of C24 (NHA C24)	
C24B	#	CAPACITOR: part of C24 (NHA C24)	
C24C	*	CAPACITOR: part of C24 (NHA C24)	
C25		CAPACITOR: fixed, mica dielectric, 50 mmf ± 5%, 500 vdcw SMO part No. RR1450	
C26		CAPACITOR: Same as C23	
C27		CAPACITOR: Same as C22	
C28		CAPACITOR: Same as C23	
C29		CAPACITOR: Same as C8	
C30		CAPACITOR: Same as C2	
C31		CAPACITOR: Same as C22	
C32		CAPACITOR: Same as C8	
C33		CAPACITOR: Same as C8	
C34		CAPACITOR: variable, ceramic dielectric, 45 mmf max, 7 mmf min, 500 vdcw ERC part No. TS2A7-45	
C35		CAPACITOR: Same as C34	
C36		CAPACITOR: Same as C34	1

S ction II Comp nents Parts List

Ref renc Symbol N .	Stock N .	D scripti n	S urce C d
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
C37		CAPACITOR: Same as C25	
C38		CAPACITOR: Same as C22	
C39		CAPACITOR: Same as C8	
C40		CAPACITOR: fixed, paper dielectric, .5 mf + 20% - 10%, 600 vdcw, side terminals SMO part No. 5006RS-5	
C41		CAPACITOR: Same as C40	
C43		CAPACITOR: Same as C8	
C44		CAPACITOR: fixed, paper dielectric, 4 mf ± 20%, 600 vdcw CLD part No. TLA6040	
C45		CAPACITOR: Same as C44	
C46		CAPACITOR: Same as C4	
C47		CAPACITOR: Same as C44	
C48		CAPACITOR: Same as C8	
C49		CAPACITOR: variable, air dielectric, 50 mmf max, 5 mmf min HMM part No. APC50	
C50		CAPACITOR: Same as C18	
C51		CAPACITOR: Same as C8	
C52		CAPACITOR: Same as C23	
C53		CAPACITOR: Same as C8	
C54		CAPACITOR: Same as C8	
C55		CAPACITOR: fixed, mica dielectric, 150 mmf ± 5%, 500 vdcw SMO part No. RR1315	
C56		CAPACITOR: fixed, mica dielectric, 20 mmf ± 5%, 500 vdcw SMO part No. RR1420	
C57		CAPACITOR: fixed, mica dielectric, 10,000 mmf ± 5%, 300 vdcw SMO part No. CRO6110	
C58		CAPACITOR: Same as C57	
C59		CAPACITOR: Same as C18	
C60		CAPACITOR: Same as C18	
C61		CAPACITOR: Same as C23	
C62		CAPACITOR: Same as C18	
C63		CAPACITOR: Same as C18	
C64		CAPACITOR: Same as C22	
C65		CAPACITOR: Same as C22	
C66		CAPACITOR: Same as C22	
El		TERMINAL: lug (5 each used) SH part No. 2506-04-00	
E2		TERMINAL: lug (1 each used) SH part No. 2506-10-00	
E3		TERMINAL: lug (19 each used) SH part No. 2506-06-00	
E4		R-F TUNER ASSY: see fig. 15 and 16 for breakdown, no number assy	
E5		SHIELD: tube 6 TS102U02 (JAN-S-28A) ELCO Corp. part No. 120	
E6		SHIELD: tube # TS103U03 (JAN-S-28A) ELCO Corp. part No. 191	

Refernce Symb IN.	St ck N .	Descripti n	S ure Cod
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
E7		SHIELD: Same as E6	1
E8		SHIELD: tube	
		© TS102U03 (JAN-S-28A) ELCO Corp. part No. 149	
E9		SHIELD: Same as E8	
E10		SHIELD: Same as E8	
E11		SHIELD: Same as E8	
E12		TERMINAL: stud (10 each used) PRME part No. 5000	
E 13		INSULATOR: standoff	
E14		ANL part No. 1704 INSULATOR: Same as E13	İ
E15		INSULATOR: Same as E13 INSULATOR: Same as E13	-
E16		INSULATOR: Same as E13 INSULATOR: Same as E13	
E17		SHIELD: Same as E5	
E18		INSULATOR: disk, part No. PT1A1-3	
E19		OVEN: inner, see fig. 4 thru 6 for breakdown, no number assy	1
E20		STRIP: insulator, part No. 1N7A1	
E21		INSULATOR: standoff (4 each used)	
		ANL part No. 1700	
E22		INSULATOR: Same as E21 (4 each used)	
E23		INSULATOR: Same as E21 (4 each used)	l
E24		INSULATOR: Same as E21 (4 each used)	l
E25		SHIELD: Same as E8	
E26		SHIELD: r-f tuner, part No. BK4A42-1	
E27		SHIELD: r-f tuner, part No. BK4A42-2	
E 28		KNOB: ICA part No. 1166	
E29		KNOB: Same as E28	
E30		KNOB: Same as E28	
E31		KNOB: Same as E28	
E32		KNOB: Same as E28	
E33		KNOB: Same as E28	İ
E34		INSULATOR: part No. 1N9A2	
E35		KNOB: ICA part No. 1165	-
E36		OVEN ASSY: see fig. 3 for breakdown, no number assy	
E37		FRONT PANEL AND CHASSIS ASSY: see fig. 11 thru 14 for breakdown,	
E38		no number assy INSULATOR: bushing	
P.ac		ANL part No. 1172	
E39		INSULATOR: Same as E38	
E40		TERMINAL: stud CGT part No. X1795-B	
E41		SHIELD: main inductor, part No. SH4B2	
E42		OVEN: outer, see fig. 7 for breakdown, no number assy	
E43		POWER SUPPLY ASSY: see fig. 9 and 10 for breakdown, no number assy	

R f renc Symbol N .	St ck No.	Description	Sourc C de
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
F1		FUSE: cartridge, 4 amps, 250 v LTF part No. 312004	
F2		FUSE: cartridge, 2 amps, 125 v LTF part No. 313 .200	
Н1		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 4-40, 1/8 in. lg (6 each used) MFP Coml	
H2		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 4-40, 3/16 in. lg (4 each used) MFP Coml	
нз		SCREW: machine, slot dr, flat hd, brs, nickel pl, No. 4-40, 5/8 in. 1g (3 each used) MFP Coml	
H4		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 4-40, 3/8 in. 1g (13 each used) MFP Coml	
Н5		SCREW: machine, slot dr, flat hd, brs, nickel pl, No. 4-40, 3/4 in. lg (4 each used) MFP Comi	
Н6		SCREW: machine, slot dr, flat hd, brs, nickel pl, No. 4-40, 3/8 in. lg (4 each used) MFP Coml	
Н7		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 4-40, 1/4 in. lg (36 each used) MFP Coml	
Н8		SCREW: machine, slot dr, rd hd, brs, nickel pl, No. 4-40, 1/2 in. lg (5 each used) MFP Coml	
Н9		SCREW: machine, slot dr, oval hd, brs, nickel pl, No. 4-40, 5/16 in. lg (14 each used) MFP Coml	
H10		WASHER: lock, internal tooth, phosphor bronze, nickel pl, No. 4, 17/64 in. OD (69 each used) SH Coml	
H11		NUT: hexagon, brs, nickel pl, No. 4-40, 0.092 in. thick, 0.245 in. across flats (57 each used) MFP Coml	
H12		WASHER: flat, brs, nickel pl, 0.125 in. ID, 0.312 in. OD, 0.032 in. thick (4 each used) MFP Coml	
H13		WASHER: flat, fibre (6 each used) ICA part No. 5601	
H14		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 6-32, 3/4 in. lg (2 each used) MFP Coml	
H15		SCREW: machine, slot dr, rd hd, brs, nickel pl, No. 6-32, 1/4 in. lg (6 each used) MFP Coml	
H16		SCREW: machine, slot dr, bind hd, Sems with external tooth lockwasher, steel, Cd pl, No. 6-32, 3/8 in. lg (49 each used) SH Coml	
H17		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 6-32, 1/4 in. lg (59 each used) MFP Coml	
H18		SCREW: set, hex socket dr, cup point, steel, Cd pl, No. 6-32, 1/8 in. lg (9 each used) PK Coml	
H19		SCREW: set, hex socket dr, cup point, steel, Cd pl, No. 6-32, 3/8 in. 1g (2 each used) PK Coml	
H20		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 6-32, 1/2 in. 1g (2 each used) MFP Coml	

Refrnc SymblN.	Stock N .	Descripti n	Source C d
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
H21		SCREW: machine, slot dr., flat hd., brs., nickel pl., No. 6-32, 1/4 in. lg (3 each used) MFP Coml	
H22		SCREW: machine, slot dr, flat hd, brs, nickel pl, No. 6-32, 3/8 in. 1g (9 each used) MFP Coml	
H23		CLAMP: (7 each used) CIN part No. 1060	
H24		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 6-32, 3/8 in. lg (38 each used) MFP Com1	
H25		SCREW: machine, slot dr. rd hd, Sems with external tooth lockwasher, steel, Cd pl, No. 6-32, 3/8 in. lg (49 each used) SH Coml	
H26		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 6-32, 5/16 in. lg (4 each used) MFP Comi	
H27		SCREW: machine, slot dr, rd hd, brs, nickel pl, No. 6-32, 3/8 in. lg (2 each used) MFP Coml	
H28		SCREW: machine, slot dr, rd hd, brs, nickel pl, No. 10-32, 1/2 in. ig (5 each used) MFP Coml	
H29		WASHER: lock, internal tooth, phosphor bronze, nickel pl, No. 10, 25/64 in. OD (9 each used) SH Coml	
Н30		NUT: hexagon, brs, nickel pl, No. 10-32, 0.123 in. thick, 0.368 in. wide across flats (4 each used) MFP Coml	
H31		SPACER: part No. SK2A34-23 (4 each used)	
Н32		RIVET: (19 each used) CRM part No. R3472-3/16	
Н33		WASHER: flat brs, nickel pl, 3/8 in. ID, 11/16 in. OD, 1/32 in. thick (12 each used) MFP Com1	
H34		GROMMET: (2 each used) GCE part No. 1041	
н35		CLAMP: cable (1 each used) WMPC part No. CPC742-8	
Н36		GROMMET: (1 each used) GCE part No. 1043	
Н37		WASHER: flat, fibre (1 each used) GCE part No. 6517	
H38		WASHER: extruded, fibre (1 each used) GCE part No. 6529	
Н39		NUT: lock (5 each used) TIN part No. 8091-632-1	
H40		SPACER: part No. SK2A34-27 (4 each used)	
H41		WASHER: lock internal tooth, phosphor bronze, nickel pl, No. 6, 9/32 in. OD (102 each used) SH Coml	
H42		NUT: hexagon, brs, nickel pl, No. 6-32, 0.108 thick, 0.307 in. across flats (32 each used) MFP Coml	
H43		WASHER: flat, brs, nickel pl, 0.149 in. ID, 0.375 in. OD, 0.032 in. thick (4 each used) GCE part No. 6155	
H44		SCREW: machine, slot dr, rd hd, brs, nickel pl, No. 6-32, 7/8 in. lg (2 each used) MFP Coml	
H45		WASHER: flat, fibre GCE part No. 6513	

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Refer nce Symbol No.	St ck No.	Descripti n	Source C d
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
H46		SCREW: machine, slot dr, rd hd, brs, nickel pl, No. 6-32, 1/2 in. lg (2 each used) MFP Coml	
H47		SCREW: machine, slot dr, bind hd, brs, nickel pl, No. 8-32, 3/8 in. 1g (6 each used) MFP Comi	
H48		SCREW: machine, slot dr. flat hd, brs, nickel pl, No. 8-32, 3/8 in. lg (10 each used) MFP Coml	
H49		SCREW: machine, slot dr, flat hd, brs, nickel pl, No. 8-32, 1/2 in. 1g (10 each used) MFP Coml	
Н50		SCREW: machine, slot dr, rd hd, brs, nickel pl, No. 8-32, 7/16 in. 1g (8 each used) MFP Coml	
Н51		SCREW: machine, slot dr, rd hd, brs, nickel pl, No. 8-32, 2-1/2 in. 1g (1 each used) MFP Coml	
H52		WASHER: lock, internal tooth, phosphor bronze, nickel pl, No. 8, 21/64 in. OD (19 each used) SH Coml	:
Н53		NUT: hexagon, brs, nickel pl, No. 8-32, 0.123 in. thick, 0.338 in. wide across flats (14 each used) MFP Coml	
H54		WASHER: flat, brs, nickel pl, 0.174 in. ID, 0.375 in. OD, 0.032 in. thick (2 each used) SH Comi	
н55		WASHER: flat, fibre (3 each used) GCE part No. 6514	
Н56		SCREW: set, slot dr, cup point, steel, Cd pl, No. 10-24, 1/8 in. 1g (2 each used) PK Coml	
Н57		SPACER: part No. SK2A34-17 (2 each used)	
H58		SPACER: part No. SK2A34-25 (9 each used)	
Н59		SPACER: part No. SK2A34-18 (4 each used)	
Н60		SPACER: part No. SK2A34-1 (11 each used)	
Н61		SCREW: machine, slot dr, rd hd, brs, nickel pl, No. 4-40, 3/4 in. 1g (8 each used)	
		MFP Com1	
H62		CLAMP: (2 each used) ICA part No. 5201	
Н63		SPACER: part No. SK2A34-20 (2 each used)	
H64		SPACER: part No. SK2A34-29 (2 each used)	
H65		KNOB: vernier, part No. KN1A2	
Н66		KNOB: dial, main freq, part No. KN1A1	
H67		PLATE: dial lock, part No. A115119	
Н68		SPACER: part No. SK2A34-13 (1 each used)	
Н69		SCREW: adjustment, dial lock, part No. KN1A3	
Н70		SPACER: part No. SK2A34-24 (4 each used)	
H71		INDICE: dial, part No. SA1A1	
H72		SPACER: part No. SK2A34-34 (4 each used)	
Н73		SPACER: part No. SK2A34-5 (2 each used)	
H74		POST: spacing, part No. SH4A4-2 (2 each used)	
II		LAMP: incandescent, 6 to 8 v, .9 to 1.2 w, .15 amps GLEC part No. 47	
12		LAMP: glow, 1/25 w, 105 AC striking voltage, 105 DC striking v Itage GLEC part No. NE51	

Refer nce Symbol No.	Stock N .	D scripti n	Source C d
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
13		COUNTER: mechanical VEE part No. AE114225	
14		DIAL: etched part No. NP4A42	
15		DIAL: vernier, part No. NP4A43	
16		DIAL: output freq, part No. A50006	
Jι		CONNECTOR: receptacle	
Ј2		HAW part No. 6808 CONNECTOR: receptacle	
јз		JNS part No. S306AB	
		CONNECTOR: receptacle JNS part No. S308AB	
Ј4		CONNECTOR: receptacle IPC part No. MC20	
J5		CONNECTOR: receptacle AMP part No. 83-1R	
J6		JACK: telephone	
J7		MAL part No. SC1A CONNECTOR: Same as J5	
]8		CONNECTOR: Same as J5	
19		CONNECTOR: Same as J5	
J10		CONNECTOR: Same as J5	
J11			
J12		CONNECTOR: Same as 13	
K1		CONNECTOR: Same as J2	
K1		RELAY: armature, adjust control to 20 gram min, gap contact to 0.008 in. min pull piece gap to 0.005 in. min	
		KUE part No. 210C40 (unadjust of KUE part No. N21005 (adjusted)	a)
L1		REACTOR: filter choke, Spec No. 108 FTC part No. 14800	
L2		COIL: r-f, part No. AD5A41	
L3		COIL: r-f, part No. 115-1-28	
L4		TRANSFORMER: r-f, part No. 115-1-24	
L5		TRANSFORMER: r-f, part No. 115-1-25	
L6		TRANSFORMER: r-f, part No. 115-1-26	
L7		TRANSFORMER: r-f, part No. 115-1-27	
L8		REACTOR: filament filter, Spec No. 183	
L9		REACTOR: Same as L8	
L 10		REACTOR: Same as L8	
Lii		REACTOR: Same as L8	
MS1		INSULATION: make from bulk Flintkote, 8-7/8 in. 1g x 7-3/4 in. wide x 1/2 in thick	n.
MS2		FLK Comi INSULATION: Same as MS1	
MS3			
MOO		INSULATION: make from bulk Flintkote, 7-7/8 in. 1g x 6-7/8 in. wide x 1/2 in. thick FLK Coml	
MS4		INSULATION: Same as MS3	
MS5		INSULATION: make from bulk Flintkote, 8-7/8 in. lg x 6-7/8 in. wide x 1/2 in. thick	
MS6		FLK Comi INSULATION: Same as MS5	

WARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	Reference Symbol N .	St ck N .	D scription	Sourc Cod
MS8			VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
MI METER: ammeter, DC, 0 to 1 ma, graduated in increments of 0.5 ma ± 2% background, WS model No. 30 black pointer and scale markings, white background, WS model No. 30 black pointer and scale markings, white was a constructed of the process of t	MS7		1/2 in. thick	
accuracy at full scale reading, black pointer and scale markings, white background, We model No. 500 W Coml M2 SWITCH: mercury, bakelite case, 5 in. ig stem, 3-7/8 in. ig scale ig, contact at 60°C, PTH type No. VC232 PTH Coml N1 NAMEPLATE: part No. Al15113 SPACER: pillow block, part No. SC1A5 GEAR: bavel CDCM part No. 900 BLOCK: bearing BGW part No. PPB4 SHAFT: coupling, CRES, 1/4 in. dia x 1-3/8 in. ig, no number part COUPLING: rigid, for 1/4 in. dia shaft, BGW type No. FAS BUSHING: reducer, part No. CL1A1 PLATE: side, part No. PT4A40 PLATE: side, part No. BK4A44 in. ig, no number part SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. ig, no number part SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. ig, no number part DRIVE: planetary CCUP LING: Same as 011 SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. ig, no number part DRIVE: planetary CPT part No. 27067 CLIP: thermostat, part No. SH4A2 INSULATION: same as 018 INSULATION: same as 018 INSULATION: rear outside, part No. IN4A10-1 INSULATION: rear inside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-2 PLATE: spacer, part No. Al15121 PLATE: spacer, part No. Al15120	MS8		INSULATION: Same as MS7	
### SWITCH: mercury, balealite case, 5 in. 1g stem, 3-7/8 in. 1g scale 1g, contact at 60°C, PTH type No. VC32s PTH Comi NAMEPLATE: part No. A11513 SPACER: pillow block, part No. SC1A5 GEAR: bevel CDCM part No. 900 BLOCK: bearing BGW part No. PPB4 SHAFT: coupling, CRES, 1/4 in. dia x 1-3/8 in. 1g, no number part COUPLING: rigid, for 1/4 in. dia shaft, BGW type No. FAS BGW Comi BUSHING: reducer, part No. CL1A1 PLATE: side, LH, r-f chassis, part No. BK4A43 PLATE: side, part No. PTA440 PLATE: side, Same as 09 COUPLING: flexible NAC part No. TX22 COUPLING: Same as 011 SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. 1g, no number part DRIVE: planetary CPT part No. 27067 CLIP: thermostat, part No. CG1A2-6 SLEEVE: thermostat, part No. PTA4-2 INSULATION: Same as 018 INSULATION: Same as 018 INSULATION: same as 018 INSULATION: rear outside, part No. IN4A11 INSULATION: rear outside, part No. IN4A10-1 INSULATION: rear inside, part No. IN4A10-1 INSULATION: rear inside, part No. IN4A10-2 PLATE: spacer, part No. A115121 PLATE: spacer, part No. A115120 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250	M1		accuracy at full scale reading, black pointer and scale markings, white background. WS model No. 506	
NAMEPLATE: part No. A115113	M2		SWITCH: mercury, bakelite case, 5 in. lg stem, 3-7/8 in. lg scale lg, contact at 60°C, PTH type No. VC325	
SPACER: pillow block, part No. SCIAS	N1			
GEAR: bevel CDCM part No. 900				
BLOCK: bearing BCW part No. 990				
BGW part No. PPB4				
COUPLING: rigid, for L/4 in. dia shaft, BGW type No. FA5 BGW Coml BUSHING: reducer, part No. CLIAI PLATE: side, LH, rf chassis, part No. BK4A43 PLATE: side, RH, rf chassis, part No. BK4A44 PLATE: side, part No. PT4A40 PLATE: same as O9 COUPLING: flexible NAC part No. TX22 COUPLING: Same as O11 SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. lg, no number part SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. lg, no number part DRIVE: planetary CPT part No. 27067 CLIP: thermostat, part No. CG1A2-6 SLEEVE: thermostat, part No. SHAA2 INSULATION: part No. PT1A1-2 INSULATION: same as O18 INSULATION: same as O18 INSULATION: rear outside, part No. IN4A11 INSULATION: rear outside, part No. IN4A13 INSULATION: front inside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-2 PLATE: spacer, part No. A115121 PLATE: spacer, part No. A115122 JAW: rear, dial lock, part No. A115120 PLATE: spacer, part No. A115120 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250	О3			
BGW Comi BUSHING: reducer, part No. CLIA1 PLATE: side, LH, r-f chassis, part No. BK4A43 PLATE: side, RH, r-f chassis, part No. BK4A44 PLATE: side, RH, r-f chassis, part No. BK4A44 PLATE: side, part No. PT4A40 PLATE: side, part No. PT4A40 PLATE: Same as O9 COUPLING: flexible NAC part No. TX22 COUPLING: Same as O11 SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. lg, no number part SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. lg, no number part DRIVE: planetary CPT part No. 27067 CLIP: thermostat, part No. CGIA2-6 SLEEVE: thermostat, part No. SH4A2 INSULATION: part No. PTIA1-2 INSULATION: Same as O18 INSULATION: Same as O18 INSULATION: rear outside, part No. IN4A11 INSULATION: rear outside, part No. IN4A11 INSULATION: front inside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-2 PLATE: spacer, part No. A115121 PLATE: spacer, part No. A115122 JAW: rear, dial lock, part No. A115120 PLATE: spacer, part No. A115123 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250	04		SHAFT: coupling, CRES, 1/4 in. dia x 1-3/8 in. lg, no number part	
PLATE: side, LH, r-f chassis, part No. BK4A43	05			
## PLATE: side, RH, r-f chassis, part No. BK4A44 ## PLATE: side, part No. PT4A40 ## PLATE: side, part No. PT4A40 ## PLATE: Same as 09 ## PLATE: Same as 09 ## COUPLING: flexible ## NAC part No. TX22 ** COUPLING: Same as 011 ## SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. lg, no number part ## SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. lg, no number part ## DRIVE: planetary ## CPT part No. 27067 ## CLIP: thermostat, part No. CG1A2-6 ## SLEEVE: thermostat, part No. SH4A2 ## INSULATION: part No. PT1A1-2 ## INSULATION: Same as 018 ## INSULATION: Same as 018 ## INSULATION: same as 018 ## INSULATION: rear outside, part No. IN4A11 ## INSULATION: front outside, part No. IN4A10-1 ## INSULATION: front inside, part No. IN4A10-1 ## INSULATION: front inside, part No. IN4A10-2 ## PLATE: spacer, part No. PT2A1 ## JAW: rear, dial lock, part No. A115121 ## PLATE: spacer, part No. A115120 ## PLATE: spacer, part No. A115123 ## DRIVE: planetary ## CPT part No. 599 ## DUSHING: shaft ## ICA part No. 1250	O6		BUSHING: reducer, part No. CL1A1	
PLATE: side, part No. PT4A40	07	*	PLATE: side, LH, r-f chassis, part No. BK4A43	
O10 * PLATE: Same as O9 COUPLING: flexible NAC part No. TX22 COUPLING: Same as O11 SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. lg, no number part SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. lg, no number part DRIVE: planetary CPT part No. 27067 CLIP: thermostat, part No. CG1A2-6 SLEEVE: thermostat, part No. SH4A2 INSULATION: part No. PT1A1-2 INSULATION: Same as O18 INSULATION: rear outside, part No. IN4A11 INSULATION: rear outside, part No. IN4A13 INSULATION: front outside, part No. IN4A10-1 INSULATION: front outside, part No. IN4A10-2 PLATE: spacer, part No. PT2A1 JAW: rear, dial lock, part No. A115121 PLATE: spacer, part No. A115122 JAW: front dial lock, part No. A115123 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250	O8	*	PLATE: side, RH, r-f chassis, part No. BK4A44	
COUPLING: flexible NAC part No. TX22 COUPLING: Same as Ol1 SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. 1g, no number part SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. 1g, no number part DRIVE: planetary CPT part No. 27067 CLIP: thermostat, part No. CG1A2-6 SLEEVE: thermostat, part No. SH4A2 INSULATION: part No. PT1AL-2 INSULATION: Same as Ol8 INSULATION: same as Ol8 INSULATION: rear outside, part No. IN4A11 INSULATION: rear inside, part No. IN4A13 INSULATION: front outside, part No. IN4A10-1 INSULATION: front outside, part No. IN4A10-2 PLATE: spacer, part No. PT2A1 JAW: rear, dial lock, part No. A115121 PLATE: spacer, part No. A115122 JAW: front dial lock, part No. A115120 PLATE: spacer, part No. A115123 DRIVE: planetary CPT part No. 599 O31 BUSHING: shaft	09	*	PLATE: side, part No. PT4A40	
O12 O13 O14 O15 SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. 1g, no number part O15 ORIVE: planetary CPT part No. 27067 O16 O17 O18 SLEEVE: thermostat, part No. CG1A2-6 O17 O18 O19 O19 O19 O19 O19 O19 O19 O19 O19 O19	010	*	PLATE: Same as O9	
COUPLING: Same as O11 SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. 1g, no number part SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. 1g, no number part DRIVE: planetary CPT part No. 27067 CLIP: thermostat, part No. CG1A2-6 SLEEVE: thermostat, part No. SH4A2 INSULATION: part No. PT1A1-2 INSULATION: Same as O18 INSULATION: Same as O18 INSULATION: rear outside, part No. IN4A11 INSULATION: rear inside, part No. IN4A13 INSULATION: front outside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-2 PLATE: spacer, part No. PT2A1 JAW: rear, dial lock, part No. A115121 PLATE: spacer, part No. A115122 JAW: front dial lock, part No. A115120 PLATE: spacer, part No. A115123 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250	011		COUPLING: flexible	
SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. 1g, no number part SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. 1g, no number part DRIVE: planetary CPT part No. 27067 CLIP: thermostat, part No. CG1A2-6 SLEEVE: thermostat, part No. SH4A2 INSULATION: part No. PT1A1-2 INSULATION: Same as 018 INSULATION: Same as 018 INSULATION: rear outside, part No. IN4A11 INSULATION: rear inside, part No. IN4A13 INSULATION: front outside, part No. IN4A10-1 INSULATION: front outside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-2 PLATE: spacer, part No. PT2A1 JAW: rear, dial lock, part No. A115121 PLATE: spacer, part No. A115120 PLATE: spacer, part No. A115120 PLATE: spacer, part No. A115123 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250			NAC part No. TX22	
SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. 1g, no number part DRIVE: planetary CPT part No. 27067 CLIP: thermostat, part No. CG1A2-6 SLEEVE: thermostat, part No. SH4A2 INSULATION: part No. PT1A1-2 INSULATION: Same as O18 INSULATION: Same as O18 INSULATION: rear outside, part No. IN4A11 INSULATION: rear inside, part No. IN4A13 INSULATION: front outside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-2 PLATE: spacer, part No. PT2A1 JAW: rear, dial lock, part No. A115121 PLATE: spacer, part No. A115122 JAW: front dial lock, part No. A115120 PLATE: spacer, part No. A115123 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250	O 12		COUPLING: Same as O11	
DRIVE: planetary CPT part No. 27067	O 13		SHAFT: coupling, CRES, 1/4 in. dia x 7-5/8 in. 1g, no number part	
CPT part No. 27067 O16 CLIP: thermostat, part No. CG1A2-6 SLEEVE: thermostat, part No. SH4A2 INSULATION: part No. PT1A1-2 INSULATION: Same as O18 INSULATION: Same as O18 INSULATION: rear outside, part No. IN4A11 INSULATION: rear inside, part No. IN4A13 INSULATION: front outside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-2 PLATE: spacer, part No. PT2A1 JAW: rear, dial lock, part No. A115121 PLATE: spacer, part No. A115122 JAW: front dial lock, part No. A115120 PLATE: spacer, part No. A115123 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250	014		SHAFT: coupling, CRES, 1/4 in. dia x 3/4 in. 1g, no number part	
SLEEVE: thermostat, part No. SH4A2	O15			
SLEEVE: thermostat, part No. SH4A2	016		CLIP: thermostat, part No. CG1A2-6	
INSULATION: part No. PT1A1-2	017			
INSULATION: Same as O18				
INSULATION: Same as O18				
INSULATION: rear outside, part No. IN4A11				
INSULATION: rear inside, part No. IN4A13 INSULATION: front outside, part No. IN4A10-1 INSULATION: front inside, part No. IN4A10-2 PLATE: spacer, part No. PT2A1 JAW: rear, dial lock, part No. A115121 PLATE: spacer, part No. A115122 JAW: front dial lock, part No. A115120 PLATE: spacer, part No. A115123 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250				
INSULATION: front outside, part No. 1N4A10-1			1	
O24 INSULATION: front inside, part No. IN4A10-2 PLATE: spacer, part No. PT2A1 JAW: rear, dial lock, part No. A115121 PLATE: spacer, part No. A115122 JAW: front dial lock, part No. A115120 PLATE: spacer, part No. A115123 O30 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250				
O25 PLATE: spacer, part No. PT2A1 JAW: rear, dial lock, part No. A115121 PLATE: spacer, part No. A115122 JAW: front dial lock, part No. A115120 PLATE: spacer, part No. A115123 O29 PLATE: spacer, part No. A115123 O30 DRIVE: planetary CPT part No. 599 O31 BUSHING: shaft ICA part No. 1250				1
JAW: rear, dial lock, part No. A115121				
O27 PLATE: spacer, part No. A115122 JAW: front dial lock, part No. A115120 PLATE: spacer, part No. A115123 O30 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250				
O28 JAW: front dial lock, part No. A115120 PLATE: spacer, part No. A115123 O30 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250				
O 29 PLATE: spacer, part No. A115123 O 30 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250				
O30 DRIVE: planetary CPT part No. 599 BUSHING: shaft ICA part No. 1250				
O31 BUSHING: shaft ICA part No. 1250				
ICA part No. 1250	030			
	031			
O32 SHAFT: coupling, CRES, 1/4 in. dia x 2-1/4 in. 1g, no number part	032		·	

Referenc Symbol No.	Stock N .	D scripti n	Source Code
		VARIABLE MASTER OSCILLATOR TYPE 115 MC	DEL 1 (cont)
O33		GEAR: Same as O2	
034		COUPLING: flexible, one end counter bored 5/16 in. dia, p NAC part No. 7	
O35		BUSHING: Same as O31	
O36		BUSHING: Same as O31	
037		DIAL UNITS ASSY: See fig. 8 for breakdown, no number as:	ву
O38		COUPLING: Same as O11	
O39		PLATE: spacer, part No. BK4A19-2	
040		SHAFT: coupling bakelite, 1/4 in. dia x 1-3/4 in. lg, no nu	mber part
041		BUSHING: brs, 5/16 in. OD, 1/4 in. 1g, no number part	
042		SHAFT: coupling, CRES, 1/4 in. dia x 8-1/8 in. 1g, no num	her nort
043		SHAFT: coupling, CRES, 1/4 in. dia x 6-5/8 in. 1g, no num	ber part
044		COUPLING: Same as O11	
045		COUPLING: Same as O11	
Pi		CONNECTOR: plug, part of W1 HAW part No. 7	257
P2		CONNECTOR: plug JNS part No. P.	306CCT
P3		CONNECTOR: plug JNS part No. P:	308CCT
P4		CONNECTOR: plug IPC part No. Me	C-10
P5		CONNECTOR: plug AMP part No. 8	3-1SP
P7		CONNECTOR: Same as P5	
P8		CONNECTOR: Same as P5	
P9		CONNECTOR: Same as P5	
P 10		CONNECTOR: Same as P5	
P11 P12		CONNECTOR: Same as P5	
P12		CONNECTOR: plug JNS part No. P3	06AB
P13		CONNECTOR: plug part of W1 HAW part No. 99	972
RI		RESISTOR: fixed, composition, 120,000 ohms ± 10%, 1/2 w	
		© RC20BF124K (JAN-R-11) AB part No. EB	11241
R2		RESISTOR: fixed, composition 1,000 ohms ± 10%, 1 w	
		©RC30BF102K (JAN-R-11) AB part No. GB	11021
R3		RESISTOR: fixed, composition, 240,000 ohms ± 5%, 1/2 w	
K5		@RC20BF244J (JAN-R-11)	22445
		AB part No. EB	12445
R4		RESISTOR: fixed, composition, 10,000 ohms ± 10%, 2 w @RC42BF103K (JAN-R-11)	
		AB part No. HB	1031
R5		RESISTOR: fixed, composition, 750 ohrs ± 5%, 2 w 6 RC42BF751J (JAN-R-11)	
		AB part No. HB	7515
R6		RESISTOR: fixed, composition, 47,000 ohms ± 10%, 1/2 w 8 RC20BF473K (JAN-R-11)	
		AB part No. EB	4731
R7		RESISTOR: fixed, composition, 100 ohms ± 10%, 1/2 w @RC20BF101K (JAN-R-11)	
		AB part No. EB	1011

Reference ymbol No.	Stock N .	Descripti n	Source C d
	W W S S S S S S S S S S S S S S S S S S	VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
R8		RESISTOR: fixed, composition, 100,000 ohms ± 10%, 1/2 w	
		### RC20BF104K (JAN-R-11) AB part No. EB1041	
R9		RESISTOR: fixed, composition, 10,000 ohms ± 10%, 1/2 w	
		©RC20BF103K (JAN-R-11) AB part No. EB1031	
R 10		RESISTOR: Same as R2	
R11		RESISTANCE: element, 80 ohms ± 5%, 200 w, 2 terminal bars nickel pl with 1/8 in. dia. holes in ends, four 3/16 in. dia. holes on 2-3/4 x 4-1/16 in. mtg centers, part No. RW9A1	
		SAS part No. WRS-23 modified	
R12		RESISTANCE: Same as R11	
R13		RESISTANCE: element, 80 ohms ± 5%, 200 w, 2 terminal bars nickel pl, with 1/8 in. dia. holes in ends, four 3/16 in. dia. holes on 2-3/4 in. by 4-1/16 in. mtg centers, crimp in 1 terminal bar, part No. RW9A2 SAS part No. WRS-23 modified	
R 14		RESISTANCE: Same as R11	
R 15		RESISTOR: Same as R8	
R16		RESISTOR: Same as R8	
R 17	•	RESISTOR: Same as R9	
R 18		RESISTOR: fixed, composition, 15,000 ohms ± 10%, 2 w GRC42BF153K (JAN-R-11)	
		AB part No. HB1531	
R 19		RESISTOR: fixed, composition, 1,000 ohms ± 10%, 2 w @RC42BF102K (JAN-R-11)	
		AB part No. HB1021	
R20		RESISTOR: fixed, composition, 4,700 ohms ± 10%, 1/2 w @RC20BF472K (JAN-R-11)	
		AB part No. EB4721	
R21		RESISTOR: fixed, composition, 470 ohms ± 10%, 1/2 w @RC20BF471K (JAN-R-11)	
		AB part No. EB4711	
R22		RESISTOR: Same as R8	
R23		RESISTOR: fixed, composition, 22,000 ohms ± 10%, 1/2 w @RC20BF223K (JAN-R-11) AB part No. EB2231	
R24		RESISTOR: Same as R20	
R25		RESISTOR: variable, wire-wound, 50,000 ohms ± 10%, 7 w, rd shaft, 7/8 in. lg.	
N25		from mtg surface with 3/8 in. lg. x 1/16 in. deep flat MAL type No. E50MP MAL Coml	
R26		RESISTOR: Same as R20	•
R27		RESISTOR: Same as R8	
R 28		RESISTOR: fixed, composition, 33,000 ohms ± 10%, 1/2 w @RC20BF333K (JAN-R-11)	
		AB part No. EB3331	
R29		RESISTOR: fixed, composition, 470 ohms ± 10%, 1 w @RC30BF471K (JAN-R-11)	
		AB part No. GB4711	
R30		RESISTOR: Same as R19	
R31		RESISTOR: fixed, composition, 24,000 ohms ± 5%, 1/2 w @RC20BF243J (JAN-R-11)	
		AB part No. EB2435	
R32		RESISTOR: fixed, composition, 10,000 ohms ± 5%, 1/2 w @RC20BF103J (JAN-R-11)	
B22		AB part No. EB1035	
R33		RESISTOR: fixed, composition, 12 ohms ± 5%, 1/2 w @RC20BF120J (JAN-R-11) AB part No. EB1205	

Referenc Symbol No.	Stck N.	D scripti n	S urc C de
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
R34		RESISTOR: Same as R33	
R35		RESISTOR: Same as R8	l
R36		RESISTOR: Same as R19	
R37		RESISTOR: Same as R9	
R38		RESISTOR: variable, wire-wound, 1,000 ohms ± 10%, 2 w, rd shaft, 3/4 in. 1g from mtg surface with 1/32 in. wide x 3/32 in. deep screw driver slot, IRC type No. W1000 IRC Coml	
R 39		RESISTOR: Same as R4	
R40		RESISTOR: Same as R18	
R41		RESISTOR: fixed, composition, 12 ohms ± 10%, 2 w	
		6 RC42BF120K (JAN-R-11) AB part No. HB1201	}
R42		RESISTOR: variable, composition, 500,000 ohms ± 10%; 2 w, rd shaft, 7/8 in. 1g from mtg surface, includes S4, IRC type No. Q with type 76 switch IRC Comi	
R43		RESISTOR: Same as R2	
R44		RESISTOR: Same as R9	
R45		RESISTOR: Same as R8	
R46		RESISTOR: Same as R8	
R47		RESISTOR: fixed, wire-wound, 7,500 ohms ± 10%, 20 w WAL part No. 20F7500	
R48		RESISTOR: Same as R8	
R49		RESISTOR: fixed, composition, 51 ohms ± 5%, 1/2 w @RC20BF510J (JAN-R-11) AB part No. EB5105	
R50		RESISTOR: Same as R9	
R51		RESISTOR: fixed, composition, 56,000 ohms ± 10%, 2 w 6 RC42BF563K (JAN-R-11) AB part No. HB5631	
R52		RESISTOR: Same as R8	
R53		RESISTOR: Same as R18	
R54		RESISTOR: Same as R19	
R55		RESISTOR: fixed, composition, 220 ohms ± 10%, 1 w @ RC30BF221K (JAN-R-11)	
R56		AB part No. GB2211	
R57		RESISTOR: Same as R55	
R57		RESISTOR: Same as R5	
K36		RESISTOR: fixed, wire-wound, 350 ohms ± 10%, 5w WAL part No. 5F350WL	
R59		RESISTOR: fixed, composition, 680 ohms ± 10%, 1/2 w @RC20BF681K (JAN-R-11) AB part No. EB6811	
R60		RESISTOR: Same as R59	
R61		RESISTOR: fixed, wire-wound, 10,000 ohms ± 10%, 10 w, SPR type No. 10KT SPR Comi	
R62		RESISTOR: fixed, composition, 91,000 ohms ± 5%, 1/2 w	
		© RC20BF913J (JAN-R-11) AB part No. EB9135	
R63		RESISTOR: Same as R3	
R64		RESISTOR: Same as R58	

Section II Components Parts List

R fernce Symb IN.	Stock No.	D scrip	ti n	S urc Code
		VARIABLE MASTER OSCILLATO	R TYPE 115 MODEL 1 (cont)	
R65		RESISTOR: Same as R5		
R66		RESISTOR: Same as R5		
S1		SWITCH: toggle	AHH part No. 81024GB	
S2		SWITCH: toggle	AHH part No. 81015AW	
S 3		SWITCH: Same as S2		
S4		SWITCH: rotary, spst, 3 amps, 125 v AC part of R42	or DC and 1 amp, 250 v AC only, (NHA R42)	
85		SWITCH: rotary, 3 poles, 4 throws, 4 popositions possible rd shaft 7/8 in. 1g i		
S6		SWITCH, rotary, 3 poles, 4 throws, 4 pospositions possible rd shaft 1-5/16 in. 1	itions max number of switching lg from mtg surface, MAL type	
			MAL Com1	
S7		SWITCH: rotary, 2 sections, 4 poles, 5 t switching positions possible rd shaft 2 CN type No. 2515	2-1/4 in. lg from mtg surface,	
			CN Coml	
S8		SWITCH: toggle	AHH part No. 81027CE	
S 9		SWITCH: thermostatic, 72°C ± 2%, 2 amp	AC, 115 v, MCLO type No. SU100L MCLD Coml	
тві		BOARD: terminal, part No. TB1A1-2		
тв2		BOARD: terminal, part No. TB1A1-1		
твз		BOARD: terminal, part No. TB1A2-1		
TB4		BOARD: Same as TB3		
тв5		BOARD: terminal part No. TB1A1-7		
тв6		BOARD: Same as TB5		
тв7		BOARD: terminal, part No. TB5A3		
T 1		TRANSFORMER: power Spec No. 181	FTC part No. 18287	
V1		TUBE: electron @ JAN6C4 (JAN-1A)	GE part No. 6C4	
V 2		TUBE: Same as V1		
V3		TUBE: electron @ JAN6BE6 (JAN-1A)	GE part No. 6BE6	
V4		TUBE: electron @ JAN6AQ5 (JAN-1A)	GE part No. 6AQ5	
V5		TUBE: Same as V4		
V6		TUBE: Same as V1		
V7		TUBE: electron		
		g Janoa2 (Jan-1A)	GE part No. OA2	
V8	**	TUBE: electron @ JAN5Y3GT (JAN-1A)	GE part No. 5Y3GT	
	**	TUBE: electron @ JAN5W4 (JAN-1A)	GE part No. 5W4	
V9		TUBE: electron @ JAN12AU7 (JAN-1A)	GE part No. 12AU7	

Refrac Symbol No.	St ck No.	D scription	S urce
		VARIABLE MASTER OSCILLATOR TYPE 115 MODEL 1 (cont)	
V 10		TUBE: Same as V9	
V11		TUBE: Same as V4	
V12		TUBE: Same as V4	
W1		CABLE ASSY: power, includes P1 and P13, Spec No. 232	
XF12		HOLDER: fuse	
XF22		LTF part No. 342001 HOLDER: Same as XF12	
XI 13		LIGHT: indicator	
		DLC part No. 67B161	
XI14		LIGHT: Same as XI13	
XVι		SOCKET: electron tube ELCO Corp. part No. 235BC	
XV2		SOCKET: Same as XV1	
xv3		SOCKET: Same as XV1	
XV4		SOCKET: Same as XV1	
xvs		SOCKET: Same as XVI	
XV6		SOCKET: Same as XV1	
XV7		SOCKET: Same as XV1	
XV8		SOCKET: electron tube	
		CIN part No. 9881	
XV9		SOCKET: electron tube ELCO Corp., part No. 169BC	
XV10		SOCKET: Same as XV9	
XV11		SOCKET: Same as XV1	
XV21		SOCKET: Same as XV1	
XY15		SOCKET: crystal	
		AMP part No. 33-2T	
XY16		SOCKET: Same as XY15	
XY 17		SOCKET: Same as XY15	
XY18		SOCKET: Same as XY15	İ
XY19		SOCKET: Same as XY15	
XY20		SOCKET: crystal MLL part No. K33102	
Yı		CRYSTAL UNIT: quartz, 100 kc ± .0025%, PCL type No. PL 100	
		PCL Comi	
İ			
			ł
1			
			1

SECTION III

MANUFACTURER'S PART NUMBER CROSS-INDEX TO REFERENCE SYMBOL NUMBER

Part r Drawing No.	Reference Symbol No.	Figure No.	Part or Drawing No.	Reference Symbol No.	Figur No.
BUSHING:	041	4	METER:	Mı	14
CAPACITOR: 5 mmf	C9	5	NUT: 4-40	н11	5
CAPACITOR: 100 mmf	C23	11	NUT: 6-32	H42	4
	C26 C28	11	NUT: 8-32	Н53	8
	C52 C61	11	NUT: 10-32	Н30	9
CAPACITOR: 1,000 mmf large	C8	11	OVEN ASSY:	E36	2
	C10 C11	11	OVEN:	E 19	3
	C13 C14	5	OVEN: outer	E42	3
	C15 C20	5 11	POWER SUPPLY ASSY:	E43	2
	C21 C29	11	R-F TUNER ASSY:	E4	13
	C32 C33	11	RESISTOR: 1,000 ohms	R 38	13
	C39 C43	11	RESISTOR: .01 meg	R61	11
	C48 C51	11	RESISTOR: .05 meg	R25	13
	C53 C54	11	RESISTOR: .5 meg	R42	13
CAPACITOR: 1,000 mmf small	C4	5	SCREW: 4-40 x 1/8	ні	14
•••••••	C7 C17	11 5	SCREW: 4-40 x 3/16	H2	14
	C46	5	SCREW: 4-40 x 1/4	Н7	5
CAPACITOR: 5,000 mmf	C22 C27	1 1 15	SCREW: 4-40 x 5/16	Н9	10
	C31 C38	15 15	SCREW: 4-40 x 3/8 bind hd	H4	7
	C64 C65	11	SCREW: 4-40 x 3/8 flat hd	Н6	4
	C66	15	SCREW: 4-40 x 1/2	н8	12
CAPACITOR: 10,000 mmf	C18 C19	5 11	SCREW: 4-40 x 5/8	Н3	8
	C50	11	·	Н5	7
	C59 C60	4 4	SCREW: 4-40 x 3/4 flat hd		
	C62 C63	11	SCREW: 4-40 x 3/4 rd hd	H61	5
COUPLING: flexible	034	8	SCREW: 6-32 x 1/8	H18	4
COUPLING: rigid	O5	13	SCREW: 6-32 x 1/4 bind hd	H17	3
CRYSTAL UNIT:	Yı	5	SCREW: 6-32 x 1/4 flat hd	H21	4
DIAL UNITS ASSY:	O37	2	SCREW: 6-32 x 1/4 rd hd	H15	6
FRONT PANEL AND CHASSIS	E37	2	SCREW: 6-32 x 5/16	H26	4
ASSY:	, was		SCREW: 6-32 x 3/8 bind hd	H24	3
INSULATION: 7-7/8 x 6-7/8	MS3 MS4	3 3	SCREW: 6-32 x 3/8 bind hd Sems	H16	2
INSULATION: 8-7/8 x 6-7/8	MS 5	3 3	SCREW: 6-32 x 3/8 flat hd	H22 H27	5
INCIII ATION. 07/0-72/4	MS6		SCREW: 6-32 x 3/8 rd hd		4
INSULATION: 8-7/8 x 7-3/4	MS 1 MS 2	3	SCREW: 6-32 x 3/8 rd hd Sems	H25	12
INSULATION: 9-7/8 x 7-3/4	MS7 MS8	3 3	SCREW: 6-32 x 3/8 set	H19 H20	8

Part r Drawing No.	Refrnc Symbol No.	Figure No.	Part or Drawing No.	R f renc Symbol N .	Figur No.
SCREW: 6-32 x 1/2 rd hd	H46	4	BK1A4	A26	8
SCREW: 6-32 x 3/4	H14	7	BK4A13A	A1	13
SCREW: 6-32 x 7/8	H44	4	BK4A13B	A3	13
SCREW: 8-32 x 3/8 bind hd	H47	2	BK4A19-1	A30	4
SCREW: 8-32 x 3/8 flat hd	H48	4	BK4A19-2	O39	4
SCREW: 8-32 x 7/16	H50	2	BK4A39	A33	12
SCREW: 8-32 x 1/2	H49	13	BK4A40	A32	12
SCREW: 8-32 x 2-1/2	H51	10	BK4A41	A22	16
SCREW: 10-24 x 1/8	H56	8	BK4A42-1	E26	16
SCREW: 10-32 x 1/2	H28	2	BK4A42-2	E27	16
SHAFT: 3/4 lg	014	13	BK4A43	07	13
SHAFT: 1-3/8 lg	04	13	BK4A44	08	13
SHAFT: 1-3/4 lg	040	4	BK4A6	A4	13
SHAFT: 2-1/4 lg	O32	8	BK7A2	A6	7
SHAFT: 6-5/8 lg	O43	12	B115117	A18	5
SHAFT: 7-5/8 lg	013	13	CG1A2-6	016	7
SHAFT: 8-1/8 lg	042	12	CLIAI	06	13
SWITCH: mercury	M2	7	CPC742-8	нз5	7
SWITCH: rotary, shaft 7/8	S5	13		C57	
SWITCH: rotary, shaft 1-5/16	S6	12	CRO6110	C58	5 5
	S7		CZ4C15	A5	13
SWITCH: rotary shaft 2-1/4		12	CZ4C17	A21	9
SWITCH: thermostatic	S9	3	C115118-1	A16	5
WASHER: No. 4	H10	4	EB1011	R7	4
WASHER: No. 6	H41	3	EB1031	R9	5
WASHER: No. 8	H52	2		R17 R37	11
WASHER: No. 10	H29	2		R44 R50	11
WASHER: 1/8 in. ID	H12	4	EB1035	R32	11
WASHER: 0.174 in. ID	H54	8	EB1041	R8	5
WASHER: 3/8 in. ID	Н33	13		R15 R16	11
AD5A41	L 2	4		R22 R27	11
AE114225	13	13		R35 R45	11
APC25	C2 C30	5 5		R46 R48	11
APC50	C49	5		R52	7
A1104171	034	8	EB1205	R33	11
A115113	N1	14	FB1241	R34	11
A115114	A12	5	EB1241	R1	4
			EB2231	R23	11
A115116	A11	5	EB2435	R31	11
A115119	H67	8	EB2445	R3 R63	5 11
A115120	028	8	EB3331	R28	11
A 115121	026	8	EB4711	R21	11
A115122	027	8	EB4721	R20	11
A115123	O29	8		R24 R26	11
A50006	16	14	EB4731	R6	5
BK1A2	A2	13	EB5105	R49	11

Secti n III Part N . to R f. Symb Is

Part or Drawing N .	Ref rence Symbol No.	Figur N.	Part r Drawing No.	Ref rence Symbol N .	Figure N.
EB6811	R59	11	N21005	Kı	7
	R 60	5	PA2C14	A28	14
EB9135	R62	11	PPB4	О3	13
GB 1021	R2 R10	4	PT1A1-1	A13	6
	R43	11	PT1A1-2	018	6
GB2211	R55 R56	11 11	FITAI-2	O18 O19 O20	6
GB4711	R 29	11	PT1A1-3	E 18	6
HB1021	R19	11	PT1A3	A25	8
	R30 R36	16 16	PT1A4	A15	6
	R54	16	PT2A1	025	3
HB1031	R4	.4	PT2A4	A17	
	R39	11			3
HB1201	R41	11	PT4A27	A8 A9	15 15
HB1531	R 18 R 40	11 11		A 10	15
	R53	ii	PT4A40	09	13
нв5631	R51	7		010	13
HB7515	R5	4	PT4A8	A29	2
	R57 R65	4	P306AB	P 12	10
	R66	4	P306CCT	P2	7
HF50	C6	11	P308CCT	Р3	6
IN4A 10-1	023	3	RC20BF101K	R7	4
IN4A10-2	024	3	RC20BF103J	R32	11
IN4A11	021	3	102021 1003	R37 R44	11
IN4A13	022	3		R50	11
IN48	CR1 CR2	12 12	RC20BF103K	R9	5
IN7A1	E20	3		R17	11
IN9A2	E34	13	RC20BF104K	R8 R15	5 11
JAN0A2	V7	9		R16	11
JAN12AU7	V9 V10	13 13		R22 R27	11
JAN5W4	v8	9		R35 R45	11
JAN5Y3GT	V8	9		R46 R48	11
-				R52	7
JAN6AQ5	V4 V5	13 13	RC20BF120J	R33	11
	V11 V12	13 13		R34	11
JAN6BE6	v ₃	6	RC20BF124K	R1	4
-		1	RC20BF223K	R 23	11
JAN6C4	V 1 V 2	6	RC20BF243J	R31	11
	V6	13	RC20BF244J	R3	5
KNIAI	H66	8		R63	11
KN1A2	H65	8	RC20BF333K	R28	11
KN1A3	Н69	8	RC20BF471K	R21	11
K33102	XY20	8	RC20BF472K	R20	11
MC 10	P4	6		R24 R26	11
MC 20	ј4	13	RC20BF473K	R6	5
NE51	12	14	RC20BF510J	R49	11
		1			ļ
NP2A1	A24	8	RC20BF681K	R59 R60	11 5
NP 4A42	14	8	RC20BF913J	R62	11
NP4A43	15	8	RC30BF102K	R2 R10	4 4
NP4D13	A27	14		R43	11

Part r Drawing N .	R fer nc Symbol N .	Figur N.	Part r Drawing N .	R f rence Symbol N .	Figur N .
RC30BF221K	R55 R56	11	S308AB	ЈЗ	12
RC30BF471K	R29	11	TB1A1-1	TB2	12
RC42BF102K	R 19	11	TB1A1-2	TB1	4
	R30 R36 R54	16 16 16	TBIA1-7	TB5 TB6	12 7
RC42BF103K	R4 R39	4 11	TB1A2-1	TB3 TB4	12
RC42BF120K	R41	11	TCZ10	TB7	3
RC42BF 153K	R 18 R 40 R 53	11 11 11	TLA6040	C12 C16	11 5
RC42BF563K	R51	7		C45 C47	9
RC42BF751J	R5	4	TS102U02	E5	13
	R57 R65	4		E17	6
DD 1210	R66	4	TS 102U03	E8 E9	13 13
RR 13 10	C3	4		E10 E11	13
RR1315	C55	11		E25	9
RR1410	C5	5	TS103U03	E6 E7	13
RR 1420 RR 1450	C56 C25 C37	11 11	TS2A7-45	C34 C35 C36	15 15 15
RW9A1	R11 R12 R14	3 3 3	TX22	O11 O12 O38	13 13 4
RW9A2	R13	3		O44 O45	12 12
R3472-3/16	H32	5	WRS23 (See RW9A1 and RW9A2)		
SAIAI	H71	14	Х1795-В	E40	4
SC1A	J6	14	OA2	V7	9
SC1A5	01	13	OV2C2-1A	A7	7
SH4A2	017	7	OV4C5-5A	A20	3
SH4A4-1	A31	4	OV4C6-1	A 19	3
SH4A4-2	H74	4	1041	H34	7
SH4B1	A14	6	1043	H36	4
SH4B2	E41	4	1060	H23	13
SH4B3	A23	16	108	Li	9
5K2A34-1	H60	8	115-1-24	L4	12
SK2A34-13	H68	8	115-1-25	L5	16
SK2A34-17	Н57	13	1 15-1-26	L6	16
SK2A34-18	Н59	7	115-1-27	L7	16
SK2A34-23	Н31	12	115-1-28	L3	4
SK2A34-24	H70	8	1165	E35	14
SK2A34-25	H58	7	1166	E28	14
SK2A34-27	H40	7		E29 E30	14 14
SK 2A34-29	H64	10		E31 E32	14 14
SK2A34-30	Н63	6		E33	14
SK2A34-34	H72	14	1172	E38 E39	4 4
SK2A34-5	Н73	4	12AU7	V9 V10	13
	1		1	1 410	13

Part or Drawing No.	Refrnc Symbol N .	Figur N.	Part r Drawing No.	R ferenc Symb I No.	Figur
1250	O31 O35	8 14	47	II	14
	036	14	5F350WL	R58 R64	11
14800	Li	9	5W4	V8	11
149	E8 E9	13			9
•	E10	13 13	5Y3GT	V8	9
	E11 E25	13 9	5000	E12	4
169BC	XV9 XV10	13	5006RS5	C40 C41	11
1700		13	5201	H62	5
1700	E21 E22	3	5601	Н13	15
	E23 E24	3	599	030	8
1704	E13	5	6AQ5	V4	13
	E 14 E 15	5 5		V5 V11	13 13
	E 16	5		V12	13
181	T1	7	6BE6	V3	. 6
18287	Ti	7	6C4	V1	6
183	L8 L9	5		V2 V6	6 13
	L10	5 4	6155	H43	8
	L11	4	6513	H45	7
191	E6 E7	13 13	6514	H55	8
20F7500	R47	10	6517	Н37	13
21OC40	Kı	7	6529	Н38	13
232	W1	2	67B161	XI13	14
235BC	XVI	6		XI14	14
	XV2 XV3	6	6808	Jι	13
	XV4 XV5	13 13	7257	P1	2
	XV6	13	8091-632-1	H39	12
	XV7 XV11 XV21	10 13 13	81015AW	S2	14
2506-04-00	E1	13	81024GB	\$3 \$1	14 14
2506-06-00	E3	4	81027CE	S8	13
2506-10-00	E2	9	83-1R	J5	13
253119	C24	15		J7	13 13
27067	015	13		J8 J9 J10	13
312004	F1			J10 J11	13 13
	1	13	83-1SP	P5	13
313200	F2	13		P7 P8	13 13
33-27	XY 15 XY 16	12 12		P9 P10	13 13
	XY17 XY18	12		P11	13
	XY 19	12	900	O2 O33	13 8
342001	XF12 XF22	13 13	9881	xv8	10
4.080	Cı	4			2
4.080	Ci	4	9972	P 13	

SECTION IV

SPECIAL SERVICE

TOOLS

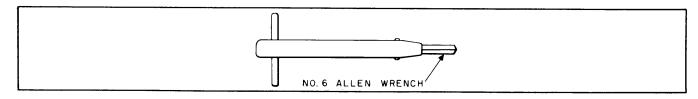


Figure 17. Special Allen Wrench

Stock No.	Description	Application	S urce Code
	WRENCH: standard No. 6 Allen Wrench with a long handle, part No. NRC257	To loosen set screws on gear 033 and flexible coupling 034	