

M A T E R I A L L I S T

 TONE TRANSMIT UNIT

 MODEL TTU

SECTION I	ELECTRICAL COMPONENTS AND MECHANICAL PARTS
SECTION II	HARDWARE (NUTS, SCREWS, WASHERS, ETC.)
SECTION III	LOOSE ITEMS SUPPLIED W/UNIT
SECTION IV	SUPPORTING DRAWINGS
SECTION V	SPECIFICATIONS
SECTION VI	RAW MATERIAL
SECTION VII	FREQ. DETERMING NETWORK

NOTE: P INDICATES PURCHASED ITEMS

TONE TRANSMIT UNIT

MATERIAL LIST			MODEL TTU		PROJ. NO. 638				LIST NO. ML-A-1282	
			ISSUE A B						SHEET 1 OF 8 SHEETS	
ITEM NO.	PART NO.	DWG REV	QUAN. PER ONE EQUIP.	DESCRIPTION				REMARKS	SIZE	
ELECTRICAL COMPONENTS AND MECHANICAL PARTS										
	CC-100-16		2	Capacitor, Fixed				C201, C202		
	CM30B502J		1	Capacitor, Fixed				C204		
	CV-100-309		1	Capacitor, Variable				C203		
	EY-102-2		1	Grommet, Elastic						
	EY-102-14		1	Grommet, Elastic						
	HA-102-3-A-C		2	Handle						
	JJ-121-1		1	Receptacle, 6 Prong				J201		
	MS-154-1		4	Straddle Plate						
	MS-1016		1	Cover, Mounting						
	MS-1017 (Use A-1375)		1	Bracket, Mounting (No Dwg.)						
	MS-1023	A	1	Cover, Plate						
	MS-1022	A	1	Chassis, Main						
	NF-103-XXX		1	Freq. Determining Network (Use ML-A-1374)				See page 8		
	PX-337-5	B	2	Insulation, Terminal Strip						
	PX-354 (Use A-1371)		1	Terminal Board (No Dwg.)						
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TONE TRANSMIT UNIT

MATERIAL LIST			MODEL TTU				PROJ. NO. 638				LIST NO. ML-A-1282			
			ISSUE A								SHEET 2 OF 8 SHEETS			
ITEM NO.	PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION								REMARKS	SIZE		
			ELECTRICAL COMPONENTS AND MECHANICAL PARTS (Con't.)											
	PX-104-1-022	X	Insulation, Sleeving											
	RC20GF104K	1	Resistor, Fixed								R217			
	RC20GF105K	2	Resistor, Fixed								R204, 205			
	RC20GF151K	1	Resistor, Fixed								R213			
	RC20GF154K	1	Resistor, Fixed								R214			
	RC20GF273K	1	Resistor, Fixed								R203			
	RC20GF471K	1	Resistor, Fixed								R211			
	RC20GF474K	1	Resistor, Fixed								R215			
	RC20GF563K	1	Resistor, Fixed								R218			
	RC20GF682K	1	Resistor, Fixed								R216			
	RC20GF124K	2	Resistor, Fixed								R201, 202			
	RC20GF823K	2	Resistor, Fixed								R206, 207			
	RC30GF472K	1	Resistor, Fixed								R209			
	RC42GF331K	1	Resistor, Variable Fixed								R219			
	RA75ASA252AK25	1	Resistor, Variable								R220			
	RV4ATSA501A	2	Resistor, Variable								R208, 212			
	RW-109-41	1	Resistor, Fixed								R210			
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TONE TRANSMIT UNIT

MATERIAL LIST

MODEL TTU

PROJ. NO. 638

LIST NO. ML-A-1282

ISSUE A B C

SHEET 3 OF 8 SHEETS

ITEM NO.	PART NO.	DWG REV	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS	SIZE
ELECTRICAL COMPONENTS AND MECHANICAL PARTS (Con't.)						
	TE-109-3		29	Terminal, Lug Split		
	TE-111-2		1	Lug, Solder		
	TE-108-1		2	Stand off, Spacer, Rivet type		
	TE-117-1		2	Stand off, Spacer		
	TE-149-.120		3	Lug, Solder		
	TF-154	A	1	Transformer	T201	
	TM-100-5		2	Terminal Strip	E201, E202	
	TS-101-PO1		1	Socket, Octal	YZ201	
	TS-102-PO1		1	Socket, Min. 7 Pin	XV203	
	TS-102-UO2		1	Shield, Tube		
	TS-103-PO1		2	Socket, Min. 9 Pin	XV201, 202	
	TS-103-UO2		2	Shield, Tube		
	TS-121		1	Socket 8 Pin	XZ201	
<u>TUBES</u>						
	12AT7		2	Tube, Electron	V201, V202	
	6C4		1	Tube, Electron	V203	

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TONE TRANSMIT UNIT

MATERIAL LIST			MODEL	TTU	PROJ. NO.	638	LIST NO.	ML-A-1282
			ISSUE				SHEET	4 OF 8 SHEETS
ITEM NO.	PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION			REMARKS	SIZE	
			HARDWARE					
	ANL26AD54	5	Rivet					
	FWO6MRC	1	Washer, Flat					
	FS-109-3	4	Ring, Retainer					
	FS-110-1	4	Stud, Slotted Head					
	LWEO4MRC	20	Lock Washer, External					
	LWEO6MRC	9	Lock Washer, External					
	NT-108-1	13	Nut, Speed					
	NTHO44OBC6	20	Nut, Hexagon					
	NTHO632BC8	4	Nut, Hexagon					
	SCBSO44OBC4	20	Screw, Machine					
	SCBSO44OBC9	8	Screw, Machine					
	SCBSO632BC4	4	Screw, Machine					
	SCBSO632BC6	5	Screw, Machine					
	SCBSO632BC11	1	Screw, Machine					
	SCBSO632BC36	1	Screw, Machine					
	SCFSO44OBC4	2	Screw, Machine					
	WA-101-3	2	Washer, Fiber					

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TONE TRANSMIT UNIT

MATERIAL LIST

MODEL TTU

PROJ. NO. 638

LIST NO. ML-A-1282

ISSUE

SHEET 5 OF 8 SHEETS

ITEM NO.	PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS	SIZE
			<p>LOOSE ITEMS</p> <p>SUPPLIED W/UNIT</p>		
	TM-105-5-A-R	1	Fanning Strip, for TM-100 & TM-102 Barriers		

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TONE TRANSMIT UNIT

MATERIAL LIST			MODEL TTU				PROJ. NO. 638				LIST NO. ML-A-1282	
			ISSUE A								SHEET 6 OF 8 SHEETS	
ITEM NO.	PART NO.	DWG REV	QUAN. PER ONE EQUIP.	DESCRIPTION				REMARKS	SIZE			
				SUPPORTIN DRAWINGS SPECIFICATIONS								
				<u>SUPPORTING DRAWINGS</u>								
	A-1375	B	1	Bracket, Mounting Assembly				Ref: MS-1017 TB201				
	A-1371		1	Terminal Board Sub-Assembly								
	A-1282		1	Main Assembly (No Dwg.)								
	CA-331		1	Cable Assembly, Main								
	CA-328		1	Cable, Terminal Board								
	A-1393		1	Cover Assembly								
	CK-259	C	2	Schematic Diagram								
	A-1395		1	Terminal Board Final Assembly (TB-201)								
	LD-334		1	Stamping, Chassis, Main								
	LD-323		1	Terminal Board Lettering					TB201			
	LD-330		1	Rubber Stamp, Name Plate Model TTU								
				<u>SPECIFICATIONS</u>								
	S-101			Caustic Dip								
	S-107			Lacquer								
	S-113			Fungus Resistant Varnish								
	S-320			TTU Test Procedure								

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TONE TRANSMIT UNIT

MATERIAL LIST

MODEL TTU

PROJ. NO. 638

LIST NO. ML-A-1282

ISSUE A

SHEET 7 OF 8 SHEETS

ITEM NO.	RAW MATERIAL	STOCK SIZE	TYPE & TEMPER	TOTAL PER UNIT	TOTAL PER UNIT	SIZE
	Aluminum	.064	5052-H32	576 Sq. Inches	3½ lbs.	
	Aluminum	¼ Dia.	2011-T3	24 Inches Long	.118 lbs.	
	Solder (BS-100)		Soft			
	CD-101-1-GE		Cord, Lacing, Nylon			
	Phenolic (Natural)	1/8	XXXP	1¼ Sq. Inches		
	PX-104-1-.022	.022	Insulation, Sleeving			
	PX-100-1-.022	.022	Insulation, Sleeving			
	PX-100-1-.133	.133	Insulation, Sleeving			
	PX-100-1-.375	.375	Insulation, Sleeving			
	SRIR3/5(7)22U11		Cable (Hook-Up) Insulated Stranded		Brown	
	SRIR3/5(7)22U22		" (" - ") " "		Red	
	SRIR3/5(7)22U33		" (" - ") " "		Orange	
	SRIR3/5(7)22U44		" (" - ") " "		Yellow	
	SRIR3/5(7)22U55		" (" - ") " "		Green	
	SRIR3/5(7)22U66		" (" - ") " "		Blue	
	SRIR3/5(7)22U77		" (" - ") " "		Violet	
	SRIR3/5(7)22U88		" (" - ") " "		Gray	
	SRIR3/5(7)22U92		" (" - ") " "		Wh/Red	
	SRIR3/5(7)22U93		" (" - ") " "		Wh/Orange	
	SRIR3/5(7)22U94		" (" - ") " "		Wh/Yellow	
	SRIR3/5(7)22U95		" (" - ") " "		Wh/Green	
	SRIR3/5(7)22U96		" (" - ") " "		Wh/Blue	
	SRIR3/5(7)22U00		" (" - ") " "		Black	
	WI-101-3		Cable, Shield Flexible			
	WI-101-4		Cable, Shield Flexible			
	WL-100-8	24ga.	Wire, Buss			
	Buss Bar (WL-100-7)					

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TONE TRANSMIT UNIT

MATERIAL LIST

MODEL TTU

PROJ. NO. 638

LIST NO. ML-A-1282

ISSUE

SHEET 8 OF 8 SHEETS

ITEM NO.	PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS	SIZE
			FREQUENCY DETERMINING NETWORK		
			Note: At customer's specification - one of below required per TTU		
	NF-103-425		Freq. Determining Network	(cps) Freq. 425	
	NF-103-595		" . " "	" . 595	
	NF-103-765		" . " "	" . 765	
	NF-103-935		" . " "	" . 935	
	NF-103-1105		" . " "	" . 1105	
	NF-103-1275		" . " "	" . 1275	
	NF-103-1445		" . " "	" . 1445	
	NF-103-1615		" . " "	" . 1615	
	NF-103-1785		" . " "	" . 1785	
	NF-103-1955		" . " "	" . 1955	
	NF-103-2125		" . " "	" . 2125	
	NF-103-2295		" . " "	" . 2295	
	NF-103-2465		" . " "	" . 2465	
	NF-103-2635		" . " "	" . 2635	
	NF-103-2805		" . " "	" . 2805	
	NF-103-2975		" . " "	" . 2975	

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