

**RADIO-ADMINISTRATION**  
**MICROWAVE RADIO**  
**ROTATING STOCK PLAN FOR SHORT-HAUL MICROWAVE RADIO**  
**PLUG-IN UNITS**

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**1. GENERAL**

1.01 This section describes the procedure for a Rotating Stock Plan to be used for the expedited replacement, repair, and return of plug-in units for short-haul microwave radio systems.

1.02 This Plan was established to facilitate the replacement and repair of such units which have failed in working systems. By centralizing one basic inventory, the Plan also minimizes each Company's investment in spare units.

1.03 This Plan should not be used for new jobs in lieu of obtaining replacements for defective units on installers' requisitions nor should it be used as a means of obtaining new spare units.

1.04 Only units incorporating updated changes will be shipped from stock. All units returned for repair will have changes applied, as required, to update the unit as far as is practical. When a new List replaces an older List and it is not practical to update the old List to be an equivalent of the new, both Lists will be maintained in rotating stock as long as there is a reasonable demand for both. A Company desiring to replace a working or failed unit with one of a later List should not obtain it from rotating stock but should order the replacement through normal channels.

1.05 This practice is reissued to make corrections and expand the list of rotating stock items.

**2. PROCEDURES**

2.01 The following procedures are to be used to utilize the Rotating Stock Plan for defective plug-in units listed in 3.01:

(a) Issue a requisition for a replacement unit and an RMN for the defective unit at the same time. If possible, both should be assigned the same number. In any case, both the requisition and the RMN must be cross-referenced to the other as shown below.

(b) The requisition must be for the J-spec (or ED) code and for the same List (or Group) number as the unit being returned.

(c) The requisition must include the statement:

"To be obtained from factory rotating stock. Unit for repair returned on RMN No. \_\_\_\_\_."

(d) The RMN must include the statement:

"To be repaired, updated, and returned to factory rotating stock. Replacing unit was ordered on Requisition No. \_\_\_\_\_."

(e) The requisition and RMN forms must be forwarded together to the Western Electric Company Service Center. One copy of the RMN shall be attached to the unit being returned.

(f) The defective unit must be sent immediately to the Western Electric Company Service Center. This is important as Western Electric will not process the requisition unless the defective unit has been received at the Service Center or are assured it has been

shipped. Protective wrapping or packaging shall be used, as required, to minimize damage in shipment.

UNIT

2.02 The following procedures will be followed by the Western Electric Company:

(a) The Service Center will process the requisition for the rotating stock item and will phone or DATAPHONE the order to the factory. The factory will ship the unit from rotating stock directly to the designated shipping address within 48 hours of receipt of the requisition.

(b) The Service Center will ship the defective unit in adequate protective packing, as required, to the factory for repair and for return to rotating stock. Only defective units that correspond to units ordered on the cross-reference requisition will be accepted for repair and return to rotating stock. For example, a List 1 of a particular unit will not be accepted when the corresponding requisition orders a List 2 of that particular unit.

(c) The factory will repair the returned unit, apply any changes required to bring it up to date, and place it in rotating stock.

(d) The Telephone Company will be credited the return allowance for the unit less the repair charges, updating charges, handling, and transportation costs. These charges will be itemized.

3. LIST OF STOCK ITEMS

3.01 Following is a list of units now available in rotating stock:

	UNIT
TJ Microwave	
J68372B1	L1 IF Preamplifier
	C1 L1 IF Main Amplifier
	D1 L1 IF Limiter/Discriminator
	E1 L1 Receiver BB Amplifier AFC
	G1 L1 Transmitter BB Amplifier
	J3 L3 Transmitter AFC
J99296AA2	Mod and Preamp. Unit
	L3&L4

TL-1 Microwave

J86499C1	L1	Inverter
	D1	L1 Regulator
	E1	L1 Rectifier
J99262G1	L1	Receiver IF and BB Unit
	J1	L1 Transmitter BB & 2 Amplifier
	K1	L1 Meter and Control Panel

ED-97070-30

Gr. 1, 2, 3, 4,		Diversity Switch
5, 6 & 7		Comparator
ED-97071-30		Diversity Switch
Gr. 1 2 & 3		Pilot Monitor

Common to TL-2 & TM-1

TL-2 Microwave

J87256A1	L2	Inverter
	A2	L3 Inverter
	B1	L1 Regulator
	B2	L2 Regulator
	C1	L1 Rectifier & 2
J99296G1	L1,	Receiver IF and BB 2&3 Unit
	G2	L4 Receiver IF and BB Unit
	H1	L2 Receiver Control Unit
	J1	L1, Trans. Control and 2&3 BB Amplifier Unit
	K1	L1 Portable Meter

Common to TL-2 & TM-1

Common to TL-2 & TM-1

		(Common to TL-2 & TM-1)
J99296AA2	L3	Mod. and Pre Amp. Unit
		(Common to TL-2 & TM-1)
J99296	L1	Receiver Control Unit
		(Common to TL-2 & TM-1)

		UNIT	
J1	L1, 2&3	Trans. Control & BB Unit	
J99302 J2	L4	Trans. Control & BB Unit (Common to TL-2 & TM-1)	
ED-97070-30	Gr. 1, 2, 3, 4, 5, 6 & 7	Diversity Switch Comparator	} Common to TL-2 & TM-1
ED-97071-30	Gr. 1, 2 & 3	Diversity Switch Pilot Monitor	
TM-1 Microwave			
J86843A1	L1	Power Supply (TMA-1)	
	A1 L2	Inverter	
	A2 L3	Inverter	
	B1 L1	Regulator	
	B2 L2	Regulator	
	D1 L1	Rectifier	
	&2		

		UNIT
J99296G1	L1, 2&3	Receiver IF and BB Unit
	G2 L4	Receiver IF and BB Unit
	K1 L1	Portable Meter Unit
J99302H1	L1	Receiver Control Unit
	J1 L1, 2&3	Transmitter Control and Base-band Amplifier Unit
J99302J2	L4	Transmitter Control and Base-band Amplifier Unit
ED-97070-30	Gr. 1, 2, 3, 4, 5, 6 & 7	Diversity Switch Comparator
ED-97071-30	Gr. 1, 2 & 3	Diversity Switch Pilot Monitor
ED-97214-30	Gr. 1, 2 & 3	Revertive Comparator Unit (A part of J99302M Revertive Diversity Switch Panel)
1415C		Network (A part of J99302E and J99302BK RF Panel)