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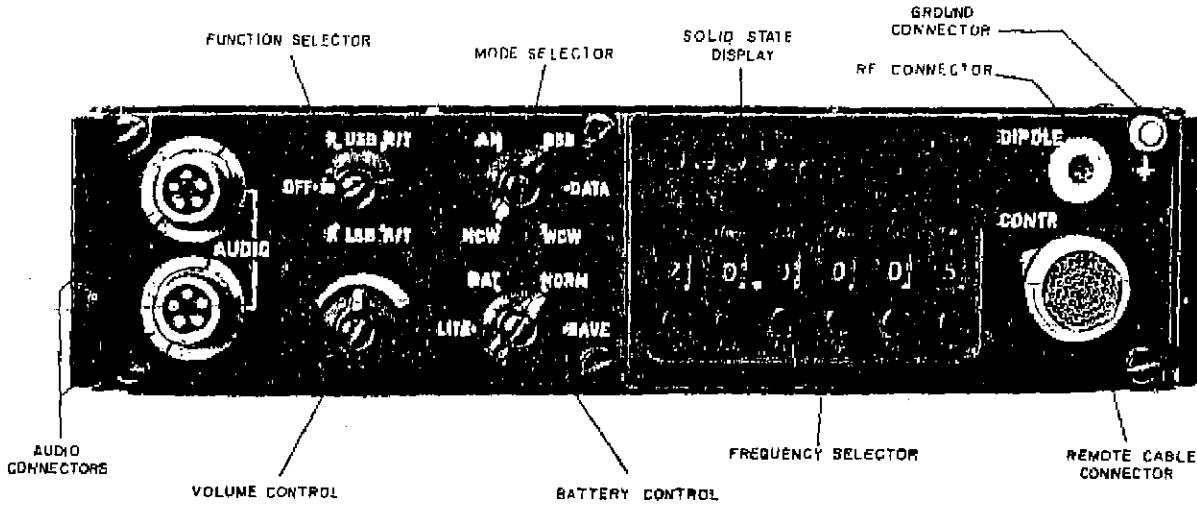
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RADIO SET PRC-174

TECHNICAL MANUAL

August 1976

CONDENSED OPERATING INSTRUCTIONS FOR RADIO SET PRC-174



Preliminary Checks

1. Verify that battery and receiver-transmitter are firmly clamped together.
2. Check antenna orientation and connections. If wire antenna is used, check antenna lengths and supports.
3. Check all audio accessory connections (handset, headset/microphone, telegraph key or data set, as applicable).
4. Check battery: set BATTERY CONTROL to BAT; solid state display should have at least one indicator lamp illuminated.

Preparation for Operation

5. Set selectors and controls as follows:

FUNCTION SELECTOR

Mode	Set to
All except AM	USS or LSB, required
Receive only	a
Receive transmit and	s
Receive only	R
Receive and transmit	R/T LSD
	either tJSB or
	R

BATTERY CONTROL

Mode	Set to
Receive only (standby listening)	SAVE
All other modes	NORM

MODE SELECTOR

Mode	Set to
Voice	AM or SSB
Data	DATA
Telegraphy	WCW or NCW

- 6.
7. Select frequency as required.
Tune the radio set by pressing the push-to-talk (PTT) button (voice) or transmitting (data or telegraph). The Solid State Display indicator lamps will be switched on/off sequentially. When the display illumination ceases, the tuning is completed; release. PTT (stop transmission).

8. Operation

9. Receives sat salnme _c nt--o3-to -eguaate-.Leee.LVe aUdiâ (aata3 level.

Transmit: press PTT (voice),

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24912105	Module IF
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• 24953105	VCP-U
24958205	VSB/LSB
24913305	SUM
24913505	LOL
24913405	VAD
24913205	REF Divider
24913605	Power supply
24914005	Negative power supply
24270705	Positive power supply
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CHAPTER 1 INTRODUCTION Section I. GENERAL

1-1. Senile

This manual describes Radio Set PRC-174 and covers its installation, operation and operator's field maintenance. This manual also includes instructions for cleaning and inspection of the equipment and replacement of parts -available to the operator and/or field maintenance personnel. Basic equipment as well as recommended and optional accessories for

extending the operational use of the PRC-174 are included.,

1-2. Maintenance Forms and Records

Equipment maintenance procedures and forms should conform to standard user practice. The maintenance required for Radio Set PRC-174 is minimal; the recommended procedures are described in Chapter 3 of this manual.

Section II. DESCRIPTION AND DATA

1-3. Purpose and Use

a. Radio Set PRC-174 (Figure 1-1) provides stable two-way communication at short and medium range on any one of 280,000 frequencies spaced at 100-Hz intervals in the 2-MHz to 30-MHz high frequency (HF) band. The radio set is self-contained for operation as a man-pack, vehicular or fixed radio station. .

b. The radio set provides voice, narrow-band data and narrow-band or wideband continuous wave telegraph (NCW, WCW) communications. Both single-sideband (SSB) and amplitude modulation (AM) are available for voice and data operation. SSB is used for Cw operation. In SSB either the upper or the lower sideband (USB, LSB) may be utilized. (See Table 1-1.)

c. Voice communication is provided through a handset connected to the receiver-transmitter. The recommended accessories include alternative antennas as well as audio and telegraph accessories. A range of optional equipment permits extended use of the PRC-174 system. (See Chapter 4.)

1-4. Description

a. Receiver-Transmitter RT-935/PRC-174. The principal unit of Radio Set PRC-174 is Receiver-Transmitter RT-936/PRC-174, which is a compact, self-contained completely solid state unit. The RT-935/PRC-174 provides automatic tuning (antenna matching) over its entire frequency range, with an average power output of 20 watts.

The front panel contains all the controls, all the displays and most of the

connectors, described in Table 2-1. In addition to the front-panel connectors, the whip antenna socket is located on the side of the transceiver, and the battery connection is at the rear.

Five front panel indicator lamps make up a solid state meter which displays important operating parameters, functions and alarms. (Refer to Tables 2-2 and 2-3.)

All audio connections (handset and other accessories for voice communication, data modem and telegraph key) are made through the two five-pin audio connectors on the front panel.

b. Special Features. The RT-936/PRC174 contains a special receive mode feature (SAVE) which provides for reduced power consumption during prolonged listening periods.

An automatic antenna matching feature is designed into the radio set, for matching almost any antenna over the operating frequency band of the radio set. The automatic tuning process requires approximately 1.5 seconds on the average (maximum 5 seconds). The automatic antenna coupler checks for proper matching at each push-to-talk initiation and, when necessary, adjusts the output matching impedance to provide for the best voltage standing wave ratio (-MR). - - An alarm indication is provided in the event the automatic antenna coupler is unable to match the specific

antenna being used.

c. Antenna Characteristics. The antenna is attached directly to the side of the RT unit; dipole or other antennas are connected to the front panel RF

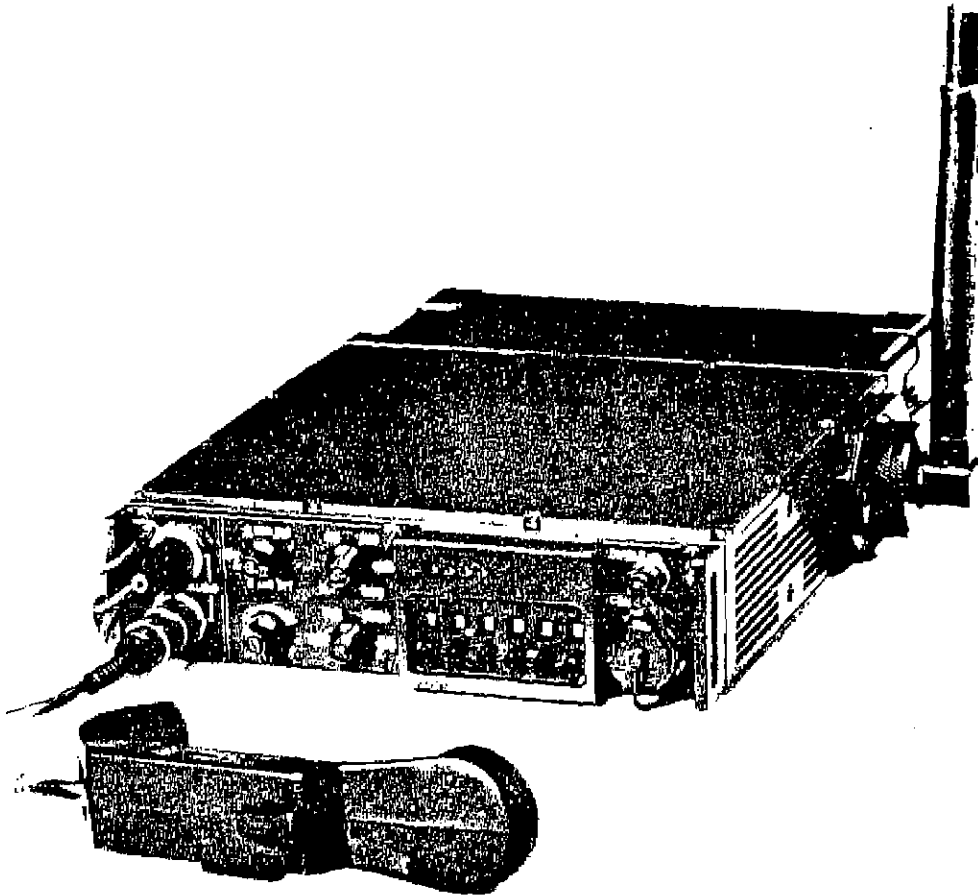


Figure 1-1. Radio Set PRC-174, basic configuration

connector. The whip antenna may be rotated through 180 degrees, permitting convenient operation of the set in any position. The antennas for the basic system are listed in paragraph 1.6.c.

The transmitter is protected against all antenna mismatch conditions, including open and short circuits. The receiver front end is protected against high induced RF voltages.

The PRC-174 carries optional accessories including remote control for enhanced system operations. These

features are described in Chapter 4 of this manual.

1-5. Test and Alarm Indications

The solid state meter measures important operating parameters and displays them on five front panel indicator lamps. The lamps also serve as alarm indicators. The visible display is supplemented by audible signals.

The significance of the displays in the various modes is given in Tables 2-2 and 2-3.

Table 1-1. Operational Modes

Communication Mode	Modulation
Voice	SSB, AM
Narrow-Band Data	SSB, AM
Telegraph NCW	SSB
Telegraph WCW	SSB

1-6. Technical Characteristics

a. RT-936/PRC-174 General

Frequency range 2.0000 to 29.9999 MHz
 Channel spacing 100 Hz
 Frequency stability....1 ppm over specified operating temperature range
 Modes of operation (RE):
 voice USB, LSB, AM
 data USB, LSE, AM
 CW Narrow-band (NCW) and wideband (WCW) on either sideband
 Audio bandwidth:
 Voice, Data, AM, WCW.....300 Hz to 3500 Hz at 2 dB points NCW 500 Hz
 at 6 dB points Keying speed:
 Wideband CW (WCW)300 wpm
 Narrow-band CW (NCW) 100 wpm
 Voltage requirements:
 Nominal 25 V dc
 Operating ... 22 to 32 V dc
 Power supply .Choice of lithium battery in Battery Box T-NC-17-4 or Nickel-cadmium (Ni-Cd) battery pack
 Dimensions:
 Overall 6.8 x 26.2 x 39.5 cm
 RT-936/PRC-174 only 6.8 x 26.2 x 29.7 cm

Battery Box
 TNC-174.....6.7 x 25.1 x 10.8 cm

Nickel-cadmium battery pack..6.7 x 25.1 x 10.8 cm

Weight

RT-936/PRC-174 only..... **4.9 kg**

Battery Box TNC-174 with lithium battery.....2.0 kg

Nickel-cadmium battery pack-4.0 kg

Environmental

Temperature range
 - operating...40°C to +65°C
 - storage50°C to +85°C

Moisture resistance, humidity, vibration and shockMIL-STD-810

Immersion in water Can withstand 3 ft of water for minimum of 2 hours

Altitude
 - operating...10,000 ft
 - nonoperating 50,000 ft

Battery drain time 16 hours operation with either battery at 9:1 receive/transmit ratio

Transmit

RF power output:
 SSB (USB, LSB) 20 W PEP
 Data and CW ...20 w average
 AM5 W average carrier

Out-of-band signal suppression:

Carrier (S5B).....Better than -45 dB
 Unwanted sideband (SSB).....Better than -45 dB
 Harmonic,, ..-.Better than -45 dB

Intermodulation Distortion...Better than -29 dB

Output protection:
 Antenna mismatch.... Any mismatch (zero to infinite VSWR) for any length of time will not damage set

Excess temperature Internal sensor turns power off in extreme operating conditions

Antenna8 ft (2.6 m) whip
 Wire antenna for 50 ohm dipole or long wire antenna

Tuning:
 Method..... Automatic: retunes at each frequency change and at start of each transmission

Time-to-tune:
 First tuningmaximum 5 seconds
 Subsequent tuning adjacent frequency:
 approx. 100 ms
 average: 1.5 seconds.
 maximum: 5 seconds

Indication...Solid state display during tuning process

Audio Input:
 SSB, AM Suitable for standard audio accessories:
 Headset H-140E/GR,
 Handset G-189/GR

Data 0 dBm, 600 ohm

Receive
 Sensitivity...0.7 uV at 10 dB SINAD
 IF selectivity
 SSB, data,
 wideband CW...300 Hz to 3500 Hz at 2 dB points

Narrow-band
 CW.....500 Hz at 6 dB points
 At9.....12 kHz at 3 dB points

Image rejection.....Better than -80 dB
 IF rejection..Better than -80 dB

Automatic gain control (AGC)
 Levels (all modes) 3 dB change in output for 50 uV to 1 V input range
 12 dB change in output for 0.7 UV to 50 uV input range

AGC operation:
 SSB, Ald, CW Attack time: 5 ms,
 release time: 700 ms
 Data Attack time: 5 ms,
 release time: 15 ms

Squelch' Automatic

Outputs:
 Voice:
 - line 10 mW across 150 ohms to Handset H-189/GR, Headset H-140E/GR
 - distortionLess than 5%

Data Variable level across 600 ohms

CW.....1-kHz tone at 10 mw

SidetoneIn SSB and AM voice modes

Protection Up to 0.25 W RF power at antenna input

b. Batteries

Lithium Battery CY-1760

The lithium battery allows the radio set to be operated at extremely low temperatures and in situations where light weight is important.

The battery fits the standard battery box (BA-703) and is installed as a direct replacement for the standard battery. The lithium battery is not rechargeable.

WARNING

Do not puncture lithium battery under any circumstance. The lithium cell electrolyte is dangerous and may explode when exposed to water or water vapor. To dispose of lithium battery, bury in ground.

Terminal voltage.....28 V dc nominal
 Operation 16 hours continuous with 9:1 receive/transmit ratio
 Capacity 6 Ah
 Packagingfits standard battery box
 Weight 2 kg

Nickel-Cadmium (Ni-Cd) Battery Pack
TN-1770

Type Nickel-cadmium (Ni-Cd),
rechargeable

Capacity 4 Ah between charges

Operation 11 hours continuous from
charge to charge with 9:1
receive/transmit ratio

Terminal
voltage 25 V dc nominal

Ven ting Automa-tic

Packaging Pack is replaceable as a
single unit housed in
receiver-transmitter
battery box

Charging 8 hours minimum at 400 mA
maximum current

Dimensions....6.7 x 25.1 x 10.8 cm

Weight 4 kg

c. Antennas

Whip Antenna Kit AT-1741

Construction.. Sectionalized folding
whip, including whip, base
and mount

Operating
length 8 ft

Dimensions....40 cm *length*, when folded;
fits into carrying bag CW-
863/PRC-74

Antenna Kit MK-1742

Components....Antenna wire (2 each),
including connector and
weights
Dacron cord (2 each)

Size for
transport....Fits into carrying bag CW-
863/PRC-74

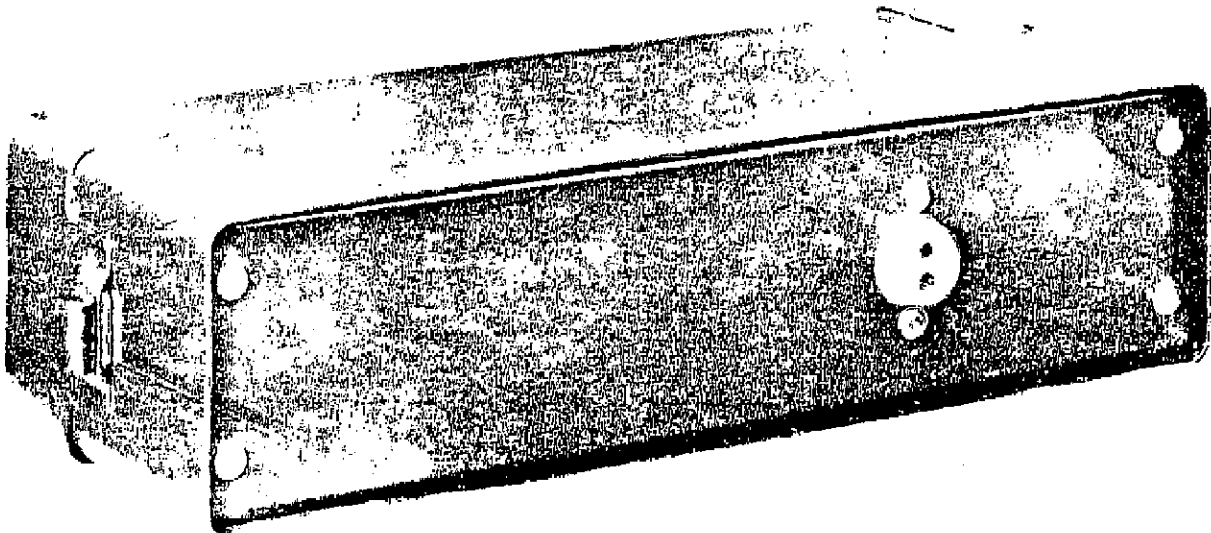


Figure 1-2. Nickel-Cadmium Battery Pack TNC-1770

1-7. System Items

The recommended items for Radio Set
PRC174 are listed in Table 1-2; a full
complement of equipment comprises the
transmitter-receiver, one of the

antennas and one or more audio items.
The optional equipment and additional
accessories are listed and described in
Chapter 4 of this manual.

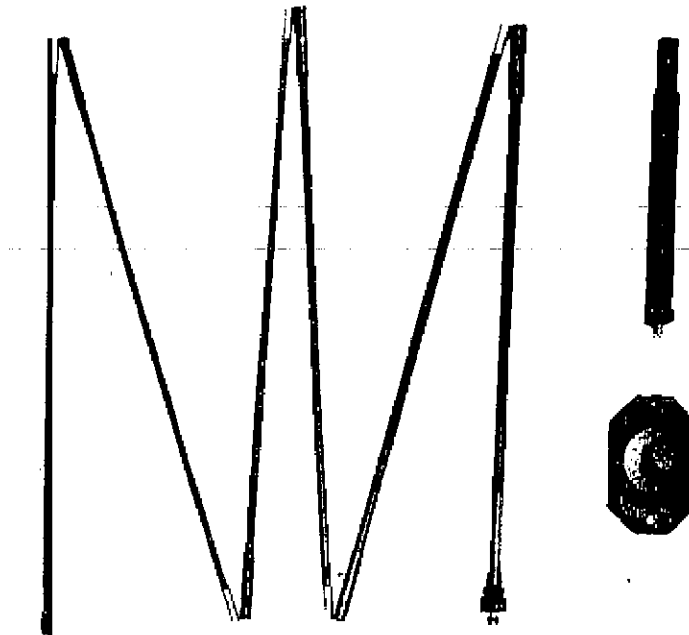


Figure 1-3. Whip Antenna Kit AT-1741

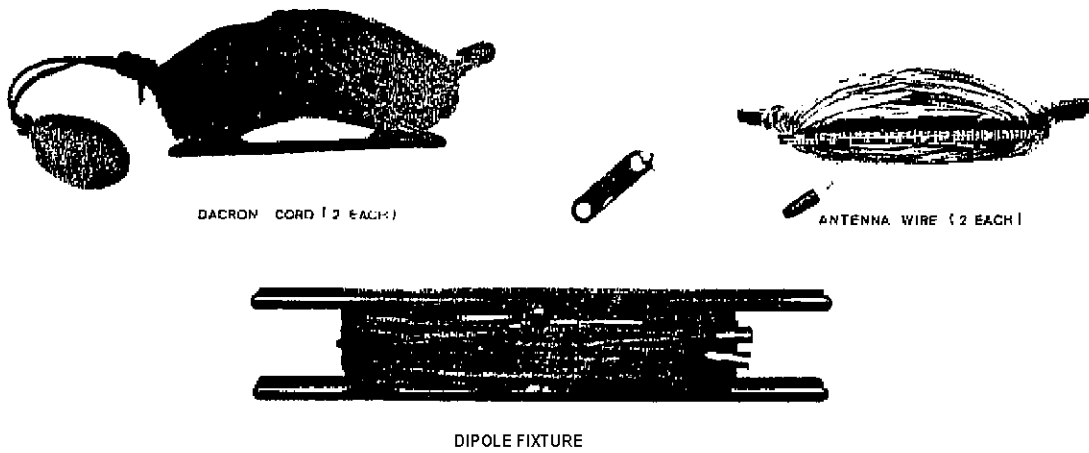
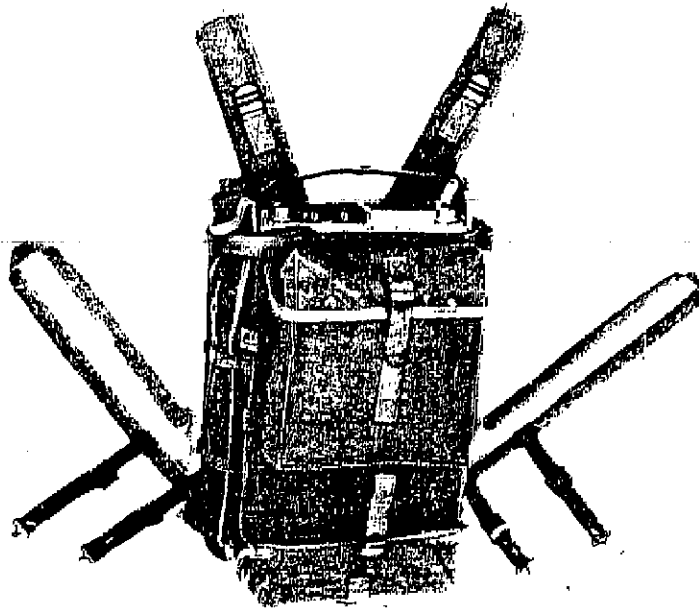


Figure 1-15. Dipole Antenna Kit MK--1742



HEADSET
H-140 JGR

Figure 1-5 Carrying Harness ST-1743
TELEGRAPH KEY KY-552FU MICROPHONE M-UO GR

ACCESSORY RAG
Cw-863 PRC-74

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Figure 1-6. Audio Accessories and accessory bag

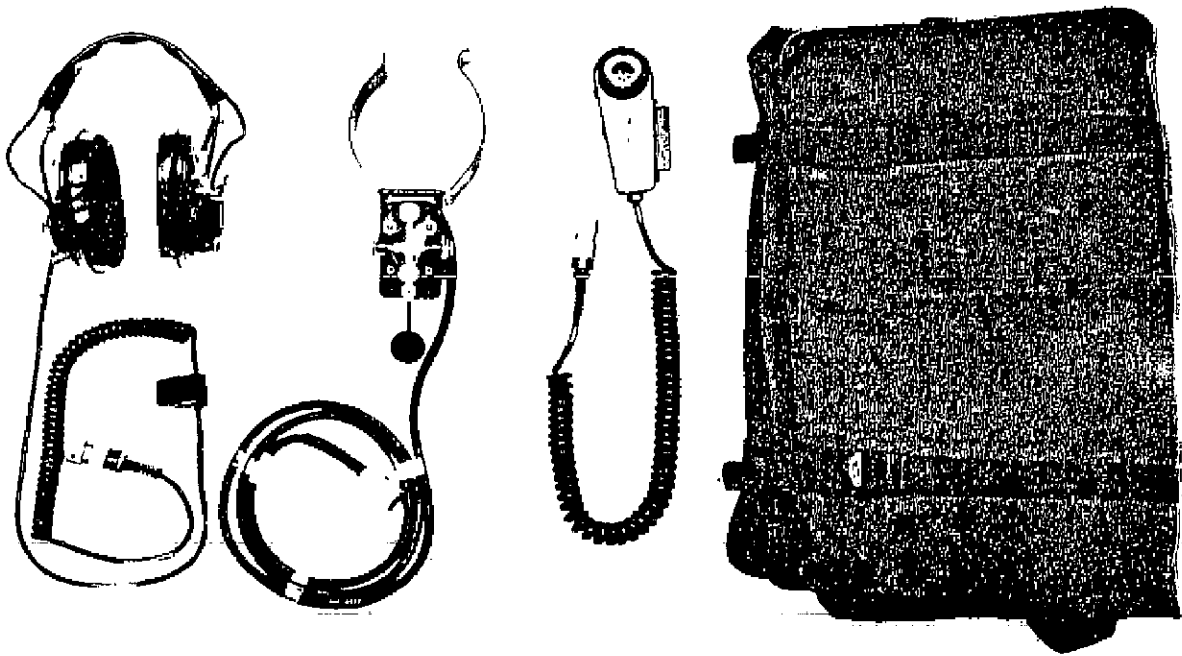


Table 1-2. Recommended System Items (1 *each*)

Description	Figure
Transmitter-Receiver RT-936/PRC-174	1-1
Whip Antenna Kit AT-1741	1-3
Dipole Antenna Kit MK-1742	1-4
Nickel-Cadmium Battery Pack TNC-1770	1-2
Audio Handset H-189/GR	1-1
Headset H-140E/GR	1-6
Microphone H-80/GA	1-6
Telegraph Key KY-562/UM	1-6
Carrying Harness ST-1743	1-5
Accessory Bag CW-863/PRC-74	1-6

CHAPTER 2
OPERATION

2-1. General

This section describes operator's controls, test, status and alarm indicators and the connectors on Radio Set PRC-174. All items listed here are located on the front panel of Receiver-Transmitter RT-936/PRC-174, except the whip antenna connector, which is located on the right sidewall (when facing the front panel), and the battery connector, which is located on the rear panel (Figure 1-1). The front panel is shown in Figure 2-1. The solid state display (SSD) consists of five indicator lamps. Table 2-2 describes the display readings.

WARNING

Dangerous RF voltages may exist at the base of the whip antenna when transmitting. Do not touch this part. Observe the safety precautions concerning whip antennas.

Section II. INSTALLATION AND CHECKOUT

2-2. Introduction

This section covers the unpacking, installation and checkout of Radio Set PRC-174.

2-3. Unpacking

a. The recommended system is packed in two cartons with adequate packing material to isolate it from shocks due to handling in transit. A preliminary inspection of the cartons must be made before unpacking. Evidence of damage must be noted and reported immediately on a packaging and handling deficiencies report.

b. 'Unpack the equipment as follows:

- 1) Undo any outer packing. Lay the carton on a clean flat surface, cut the straps and open the flaps.
- 2) Lift out each item onto a clean surface beside the carton and remove the packing material.
- 3) Check the contents of the carton against the items listed in Table 2-4.
- 4) Check each item for possible damage.
- 5) Note and report damaged or missing parts on a packaging and handling deficiencies report.
- 6) Fold and store the carton and packing material in accordance with organizational procedures.

If other, tional, a_Cessnry_..items

are included in the consignment, follow a similar procedure; unpack them carefully and check the items against the packing list or consignment list.

d. The equipment is packed in two cartons. Table 2-4 indicates the contents of each carton.

2-4. Initial Assembl

a. The equipment checkout is performed in the standard configuration-- i.e., whip antenna, handset and rechargeable battery source.

b. Before assembly, examine the equipment carefully, especially the connectors. Make sure that all items are clean. If necessary, wipe with a clean dry cloth and remove any extraneous matter from the connectors. In the event of loose components or suspected damage, notify a higher category of maintenance.

c. To assemble the basic configuration, proceed as follows:

- 1) Make sure that the receiver-transmitter is OFF (function selector, Figure 2-1).
- 2) Mate the battery pack to the receiver-transmitter as follows (refer to Figure 2-2):
 - Attach battery connector on the rear panel of the receiver-transmitter to the battery pack connector.
 - Engage and lock to the battery box using the catches located

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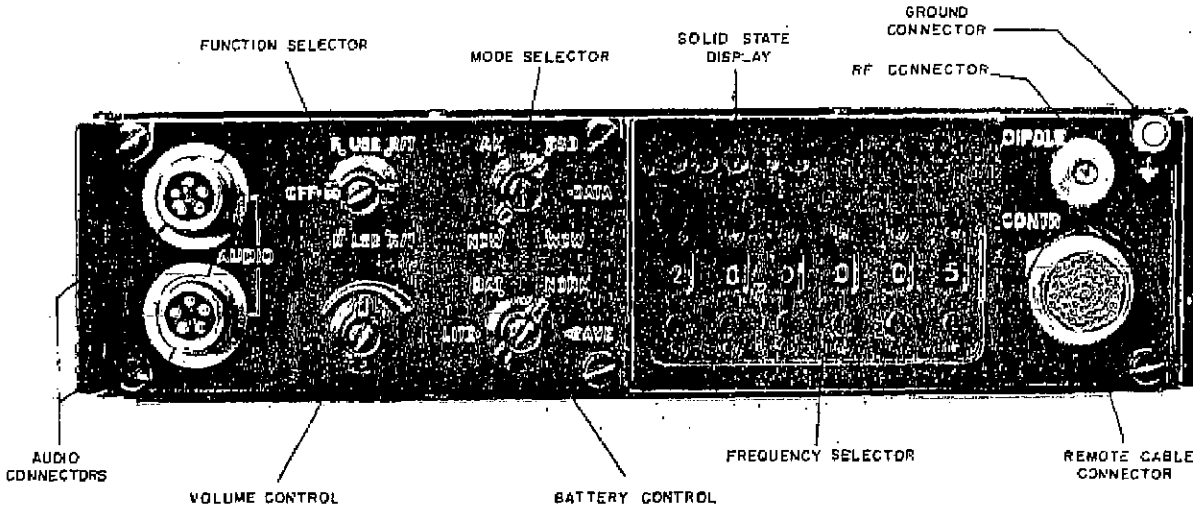


Figure 2-1. Receiver-Transmitter front control panel

on either side of the receiver-transmitter.

3) Connect the whip antenna assembly as follows:

- Unfold and deploy the whip antenna by pulling out the steel wire tip and releasing the folded sections; shake the antenna until all sections mate in a straight line. Sections are held in place by a tensional cable running through the inside of all sections;
- lock the whip in the extended position using the tip of the cinch nut (Figure 2-3).
- Connect the whip to its base and connect the base to the socket on the side of the receiver-transmitter.
- **Hand** tighten the two knurled screws (Figure 2-4).
- Lock the whip at a convenient angle for the intended operation: to turn the whip antenna, release the large knob at its base by counter-clockwise rotation (Figure 2-4); to lock, turn the knob clockwise and tighten by hand.

4) Connect the handset to the receiver-transmitter by attaching the connector at the end of the handset cord to one of the receiver-transmitter audio

connectors (Figure 2-1).

2-5. Operational Checkout

a. The radio set is fully operational when packed.

b. To check the radio set upon receipt:

- 1) Install a properly charged battery into battery box TNC-174 (paragraph 2-4.c.2).
- 2) Install whip antenna AT-1741 (paragraph 2-4.c.3).
- 3) Connect handset H-189/GR to audio connector (paragraph 2-4.c.4).
- 4) Set function selector to either USB or LSB R/T and operate the set in voice mode function (paragraph 2-14).

c. In the event of a malfunction, refer to Chapter 3, Section III.

2-6. Radio Frequency Considerations

To obtain optimal performance from the radio set, the propagation factors must be taken into consideration. These factors determine the choice of frequency, antenna and propagation mode as well as the siting location.

2-7. Antennas

a. Two types of antennas are supplied with the radio set:

- 1) 8-foot (2.44-meter whip antenna

Table 2-1. Operator's Controls, Indicators and Connectors

Designation	Function
Mode selector (S-position switch)	Selects the communication mode:
AM	Voice communication with amplitude modulation. Function <i>selector</i> set to USE or LSB.
SSE	Voice communication with SSE modulation; sideband selected depends on setting -cd -function selector.
DATA	Narrow-band low-band data communication -for -data modem.
WCW	Wideband carrier wave for on-off telegraphic communication.
NCW	Narrow-band carrier wave for on-off telegraphic communication.
Function selector (5-position switch)	Selects RP mode of operation:
USD	Upper sideband operation
R	- receiving only
R/T	- receiving and transmitting
LSB	Lower sideband operation
R	- receiving only
R/T	receiving and transmitting
OFF	Turns power off.
Battery control (4-position switch)	
LITE	Illuminates frequency selector.
BAT	Tests battery voltage: indication on solid state display.
NORM	Normal receive mode.
SAVE	Special feature for receiver listening mode ; reduces battery drain.
Volume control	Controls audio output level.
Frequency selector (6 pushbuttons and 6-digit display)	Sets frequency of radio set between 2.000 MHz and 29.9999 MHO. Each digit is displayed to indicate the frequency set (MHz). The display may be illuminated.
Solid State Display (SSD)	Displays results of test indications and alarms for operation and maintenance purposes. (See Tables 2-2 and 2-3.)
Audio connectors (two) (5 pins each, wired in parallel)	Connection for audio (voice, data and telegraph) accessories.
DIPOLE (ENC) Connector	Connection for all antennas, except whip antenna. Internal antenna connections are automatically switched to this connector when whip antenna not connected.
Ground connection ,m	Main chassis ground connection of the radio set. All antenna grounds must be connected here.
CONTROL remote cable connector	Connection for all remote control operations, including optional hand crank generator.

Table 2-2. Test Display Readings

Parameter	Value	Number of display lamps illuminated
Transmitter output power (percent of rated value)	100	5
	50	4
	25	3
	10	2
	5	1
	less than 5	0
Received signal strength (microvolts)	300	5
	100	4
	30	3
	10	2
	3	1
	less than 2	0
Battery test: terminal voltage (V dc)	26 or more	5
	25	4
	24	3
	23	2
	22	1
	less than 22	0

AT-1741 for short range ground-wave communication.

2) Dipole wire antenna kit MK-1742, which may be used as a:

- dipole antenna in various configurations;
- slant-wire antenna; counterpoise for the whip antenna.

b. The dipole is the most effective antenna for medium range sky wave communication (after the skip zone). It should be used when time and tactical circumstances permit. One or two supports are required.

c. The slant-wire antenna is used when a greater range than the whip antenna can provide is required and time and physical situations do not permit the erection of a dipole. The slantwire antenna requires the use of one dipole antenna wire and a single antenna support.

2-8. Whip Antenna Installation

a. To install the whip antenna,

perform the procedure described in paragraph 2-4.c.3.

b. To increase the efficiency of the whip antenna, especially in very dry, desert or rocky terrain, a counterpoise may be installed, using dipole antenna kit MK-1742 as follows:

unwind the antenna wire from one of the reels to approximately twice the length of the whip.

- attach one end of the wire to the ground connection (Figure 2-1).
- lay the wire on the ground away from the radio set.

e

2-9. Dipole Antenna Installation

a. The most effective propagation direction of the dipole antenna, for both "transmit" and "receive" modes, is broadside to the wire, as indicated in Figure 2-9. If two suitable supports

Table 2-3. Alarm and Process Indications

Process or Alarm	Significance of Display	Display/Indication'
Battery alarm	Battery voltage below 21 V do	Indicator lamps flash about once per second. Clicks in earphones at same frequency.
Tuning	Tuning process being carried	Indicator lamps switched on/off sequentially from left to right.
Fault	Automatic tuner cannot match antenna connected at the selected frequency	Indicator lamps flash together about six times per second, Audible beeps at same frequency.
Low RP power	Inadequate RE output	No sidetone.

'Note: **All visual indications** are given on the Solid State Display (SSD, Figure 2-1); **audible** indications are heard in the headset/earphones.

are not available or cannot be erected, a dipole with a single support or a slant-wire antenna may be used (paragraph 2-10).

b. The antenna components are shown in Figure 1-4.

C. To erect the dipole antenna, proceed as follows:

- 1) Unwind the feedline from the dipole fixture.
- 2) Mount one end of each dipole wire on the dipole fixture; use strain relief loops when connecting the wires (Figure 2-8).
- 3) Determine the length of the dipole legs by referring to Table 2-5; unwind equal lengths of wire from the two reels and fasten the wire to the notch in the reel.
- 4) If two antenna supports are available, erect the antenna as shown in Figure 2-5.
 - Unwind *the* two dacron antenna cords.
 - Attach one end of each cord to the weight (Figure 2-10) and throw each weight over a support.
 - Use the dacron lines to hoist the antenna *wires*.
 - After hoisting, anchor the lines and connect the antenna feed wire to the receiver-transmitter.
- 5) If only one support is avail-

able, use a slopin7 dipole (Figure 2-6) or an inverted-V dipole (Figure 2-7). In the latter case, one antenna line is anchored to ground.

2-10. Slant-Wire Antenna Installation

a. The most effective propagation direction of the slant wire, for both transmit and receive modes, is broadside to the wire, as indicated in Figure 2-9.

b. The antenna components are the same as those of the dipole antenna (Figure 1-4).

c. To erect the slant-wire antenna, proceed as follows:

- 1) Determine the length of the antenna wire by referring to Table 2-5; unwind one antenna wire from its reel to the appropriate mark and fasten the wire to the notch in its reel.
- 2) Erect the antenna as shown in Figure 2-9:
 - Unwind one of the antenna cords.
 - Attach one end of the cord to a weight (Figure 2-10) and throw it over the support.
 - Use the cord to hoist the antenna wire.
 - After hoisting, anchor the line.
 Unwind **the second** antenna cord; attach it to the free end of the antenna and anchor the cord to the ground.

Table 2-4. Packing of PRC-174 Recommended System

Carton	Itém	Description
1	1	Transmitter-Receiver RT-936/PRC-174
2	2	Whip Antenna Kit AT-1741
	3	Dipole Antenna Kit MK-1742
	4	Nickel-Cadmium Battery Pack TNC-1770
	5	Audio Handset H-199/GR
	6	Headset H-1405/GR
	7	Microphone H-B0/GR
	8	Telegraph Key KY-562/UM
	9	Carrying Harness ST-1743
	10	Accessory Bag CW-863/PRC-74

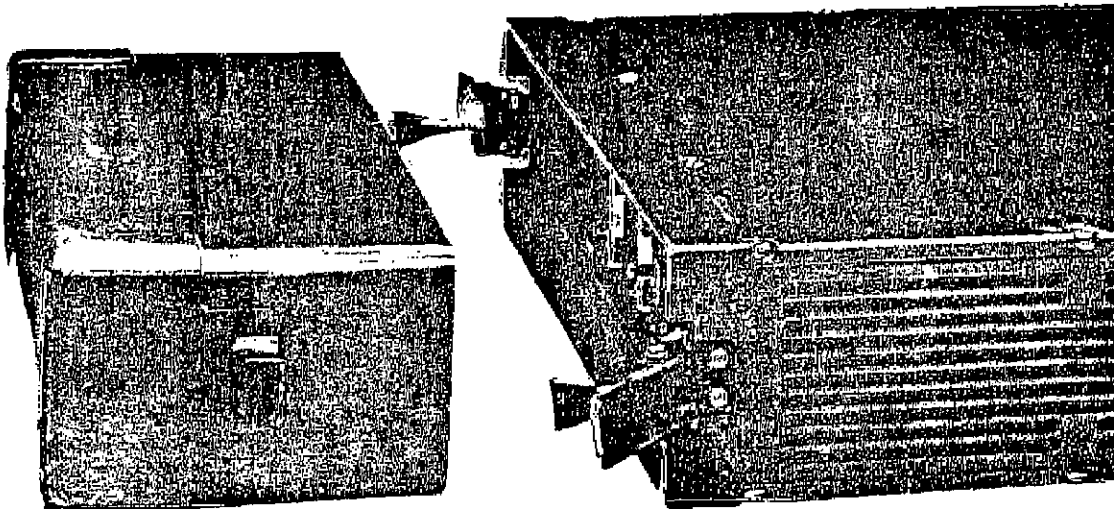


Figure 2-2. Connection of Receiver-Transmitter RT-936/PRC-174 and battery pack

Connect the free antenna wire to the receiver-transmitter using a BNC adaptor.

Unwind the second antenna wire to about 1/ times the antenna length and place the reel on the ground under the slant wire.

- Connect the end of the wire lying on the ground to the ground terminal (Table 2-1).

This wire acts as a counter-poise, increasing the antenna efficiency.

2-11. Installation of Audio Accessories

a. The basic audio accessories for the radio set are used either singly or in combination. The equipment is illustrated in Figure 1-1 (the handset) and in Figure 1-6.

b. Each item is installed by

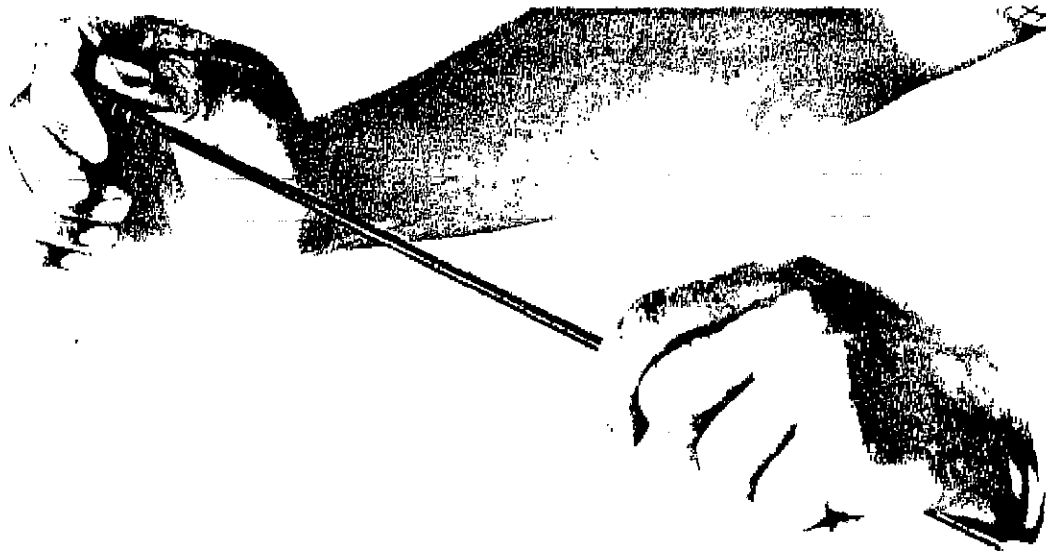


Figure 2-3. Locking the whip antenna in the extended position

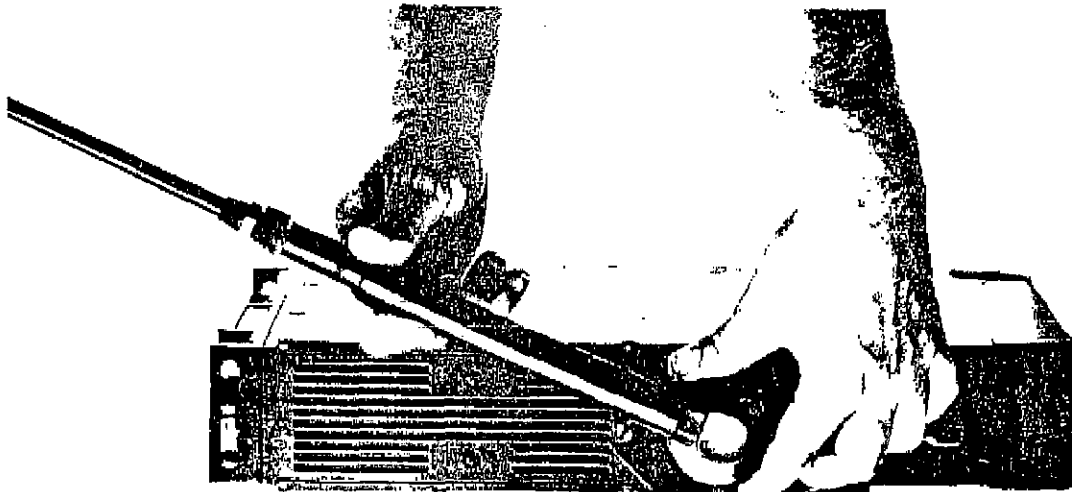


Figure 2-4. Whip antenna directional adjustment

attaching the connector at the end of its cable to one of the audio connectors on the receiver-transmitter front panel (Figure 2-1).

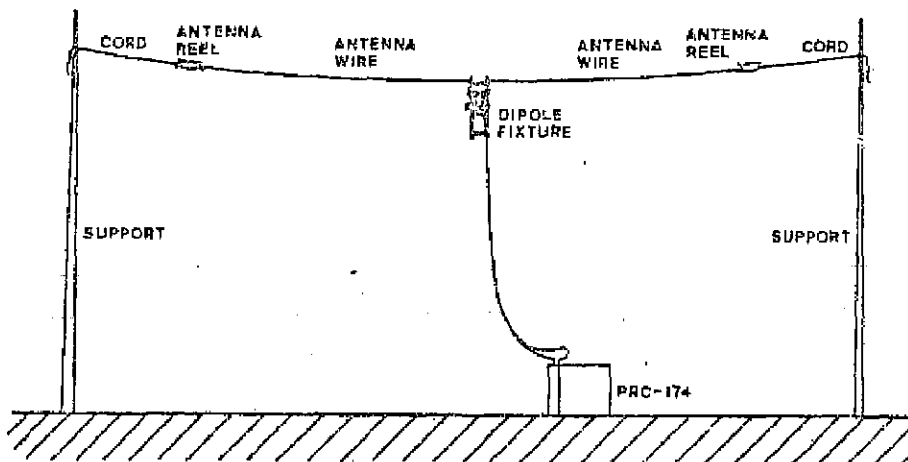


Figure 2-5. Two-support dipole antenna

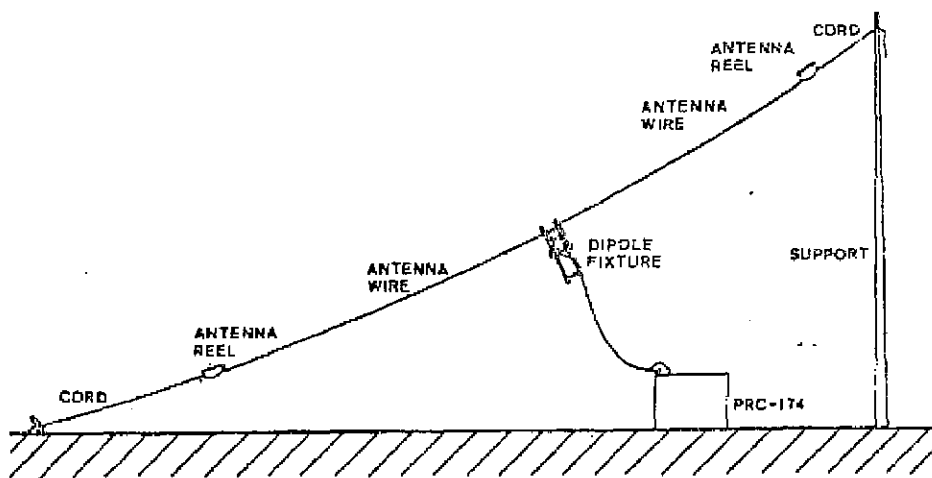


Figure 2-6. Sloping dipole antenna

Section III. OPERATING INSTRUCTIONS

CAUTION

Avoid touching the base of the whip antenna when transmitting: hazardous high RF voltages may be present.

2-12. Introduction

This section describes operating procedures for Radio Set PRC-174 in various operating configurations.

Tables 2-2 and 2-3 describe the indications and possible alarms expected during normal operation.

2-13. Two-Way Voice Operation

For two-way voice communications

(speaking and listening), proceed as follows:

a. Set the battery control to NORM (normal).

b. Set the function selector to either USB R/T or LSR R/T.

c. Set the mode selector to either SSE or AN.

d. Set the frequency selector to the

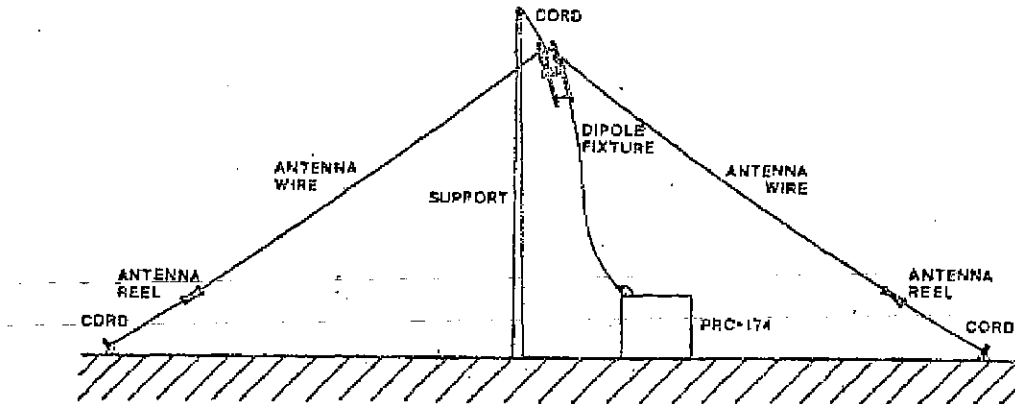


Figure 2-7. Inverted-V dipole antenna

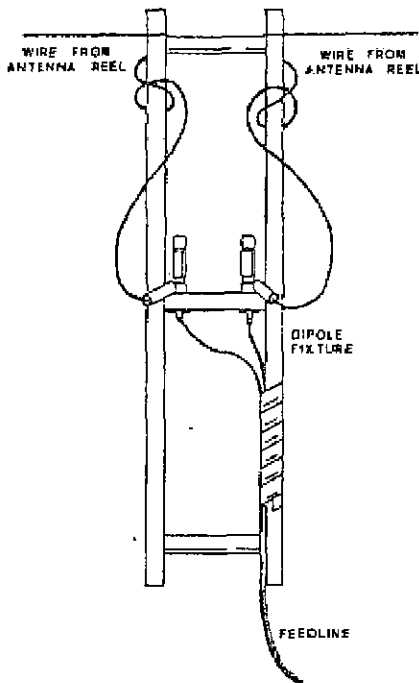


Figure 2-8. Assembling antenna wires to dipole fixture

desired operating frequency.

e. Press the PTT key on the side of the handset (microphone).

The display indicator should be illuminated, with a tone indicating that tuning is in progress; this will cease when tuning is completed.

f. Release the PTT key. Receiver noise should be heard; adjust the volume control for the desired output level.

g. The radio set is ready for voice operation: to transmit, press the PTT key and talk into the microphone. A sidetone will be heard.

h. To set a new frequency, repeat steps d and e.

NOTE

The presence of a fault will be indicated by flashing display lights and a clicking noise in the headset or the absence of a sidetone during transmission. For fault clearing procedures refer to Chapter 3.

2-14. Voice Communication - Listening Only

To receive voice communication only (listen) proceed as follows:

a. Set the battery *control* mode to NORM (normal) for continuous listening.

b. Set the battery control to SAVE when monitoring incoming signals. This mode will permit listening while reducing battery drain.

c. To tune the radio set, repeat steps c through f of paragraph 2-13.

CAUTION

If radio silence must be maintained, do not press the PTT key; proceed with the following steps and return to step c when radio silence may be broken.

d. Set the function *selector* to R USB or R LSE for receiving only; the radio set is in the listening mode.

e. to set a new frequency, repeat steps d and e of paragraph 2-13. Observe the CAUTION above.

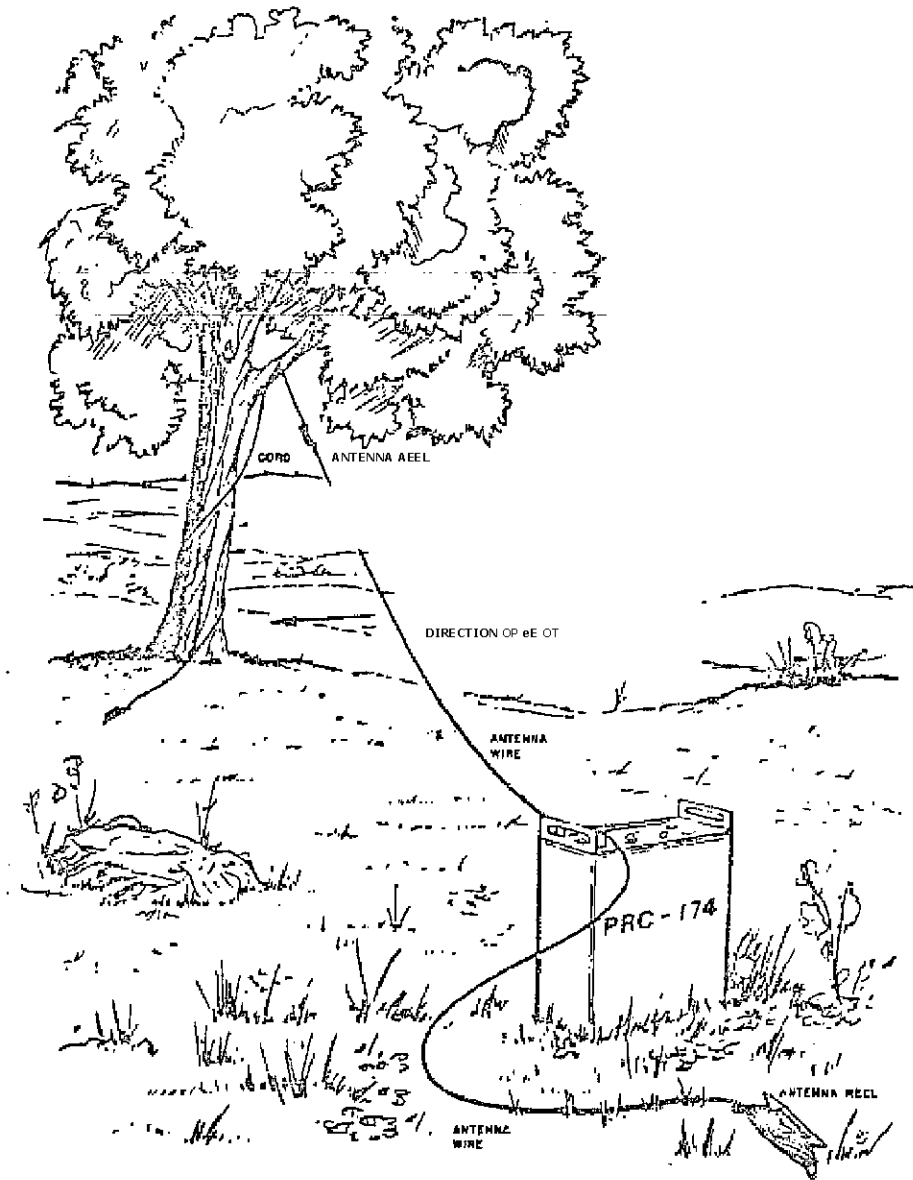


Figure 2-9. Slant-wire antenna

2-15. Two-Way Continuous-Wave Operation

To send and/or receive in the continuous wave (CW) carrier on-off keying (Morse telegraph) mode, proceed as follows:

- a. Repeat steps a and b of paragraph 2-13.
- b. Set the mode selector for narrow-band or wideband CW (NCW or WCTi).
- c. Set the frequency selector to the desired operating frequency.

d. Connect the telegraph key and the headset (or handset) to the receiver-transmitter audio connectors.

e. Tune the radio set by pressing the telegraph key. The display indicator will be illuminated and a tone will indicate that tuning is in progress. These will cease when tuning is completed.

f. Release the telegraph key: a noise will be heard in the earpiece (headset). Adjust the volume control

e

Table 2-5. Dipole and Slant-Wire Antenna Wire Lengths

Operating frequency (Mflz)	Unwind to mark	Length	
		ft	m
2.0	Fully	93	28
2.2	14	78	24
2.4	13	67	20
2.6	12	58	18
3.0	11	47	14
4.0	10	39	12
4.5	9	33	10
5.0 to C.9	B	27	8.2
7.0 to 8.9	7	21	6.4
9.0 to 11.9	6	18	5.5
12.0 to 14.9	5	15	4.6
15.0 to 11.9	4	13	4.0
18.0 to 26.9	3	12	3.7
21.0 to 24.9	2	11	3.4
25.0 to 30	1	10	3.0

for the desired output level.

g. The radio set is ready for CW operation; to *transmit*, operate the telegraph key.

Releasing the telegraph key places the set in the "receive" (listening) mode (after about one second).

with two-way voice communication (paragraph 2-13) using the data set signals as the transmit control key and

NOTE

The presence of a fault will be indicated by flashing display lights and a clicking noise in the headset or the absence of a sidetone during transmission. For fault clearing procedures refer to Chapter 3.

h. To set a new frequency, repeat steps d and e.

2-16. Data Communication

Data communication is accomplished with the aid of the data modem. Connect the plug of the modem to the receiver-transmitter audio connectors and proceed as follows:

- a. Set battery control to NORM.
- b. Set mode selector to DATA.
- c. Set function selector to R/T USB or R/T LAB.
- d. Set frequency selector to the desired operating frequency.
- e. Tune and operate the radio set as

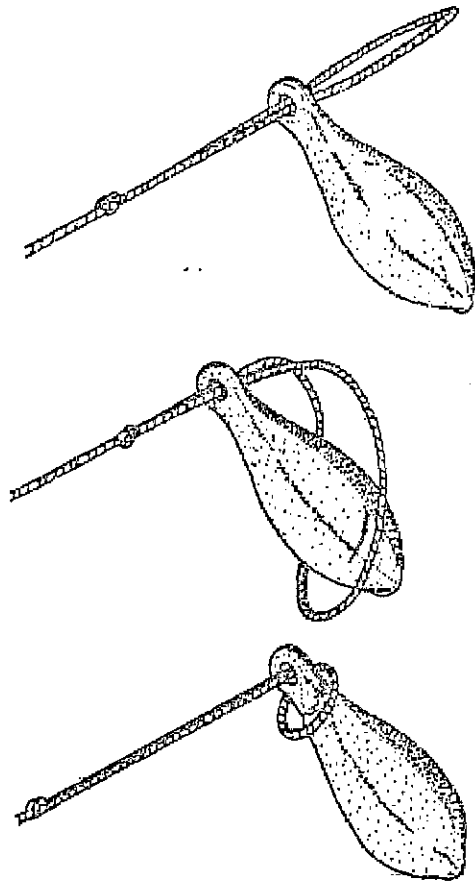


Figure 2-10. Attaching Weight to Antenna
Cord

modulation control.

NOTE

If additional manual transmitter control is required, a handset (or telegraph

key) may be connected to the unused audio connector of the receiver-transmitter. The modulation can then be monitored through the earpiece of the handset.

Section IV. OPERATION UNDER UNUSUAL CONDITIONS

2-17. General

a. When operating Radio Set PRC¹⁷⁴ under extreme environmental conditions, special attention should be paid to cleanliness--in particular to covering unused connectors so as to keep out dust, sand and moisture. Connector covers are attached to the body of the radio set for this purpose.

b. Optional equipment available to extend the operation of the radio set beyond its basic specifications is noted in this section; Chapter 4 describes this equipment in greater detail.

2-18. Cold Weather Operation

The standard lithium battery can operate satisfactorily down to -40°C (-40°F). In colder weather (or when another battery is used), the battery should be removed from the receiver-transmitter transceiver and carried in a pocket under the operator's outer clothing. Special Purpose Power Cable Assembly CX-10071/U is provided to connect the battery to the receiver-transmitter.

2-19. Extended Missions

a. Optional rechargeable batteries may be used in place of the standard lithium battery if recharging facilities are available.

b. When no recharging facilities or spare batteries are available, hand crank generator HCG-1744 may be used to operate the radio set and to recharge the battery. The hand crank generator, by means of the cable supplied with it, is connected to the receiver-transmitter through the REMOTE CONTROL connector on the radio set.

2-20. Dry Terrain Operation

For use in desert or dry rocky terrain, part of the standard antenna kit may be used as an antenna counterpoise to increase the effectiveness of transmission. Refer to antenna installation instructions in Section II of Chapter 2.

2-21. Remote Control Operation

Should tactical requirements call for placing the radio set and its antenna in an unattended location, remote control panel C-1745 is available. This duplicates all controls and front panel connectors of the radio set. The remote control panel is connected to the radio set either by the 30 foot multicore cable (CX-1720) supplied with the panel, or by means of a field telephone and suitable modem. The radio set may therefore be operated from any reasonable distance.

CHAPTER 3

MAINTENANCE AND TROUBLESHOOTING

Section I. INTRODUCTION

3-1. This chapter covers the field maintenance and trouble-shooting procedures which may be performed by the operator.

All test procedures described herein may be performed with the aid of the solid state display, which, together with the radio set controls, form an integral part of the receiver-transmitter. No other instruments are needed.

The operator should under no circumstances attempt to open the receiver transmitter or carry out repairs on any of the accessories for higher echelon maintenance and troubleshooting procedures, refer to Maintenance Manual MA-114-34 for Radio Set PRC-1.74,

3-2. No special tools or equipment are required to perform the operator's maintenance procedures,

Section II. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

3-3. Scope

a. To ensure that Radio Set PRC-174 is always in an operable state, systematic inspections must be carried out to discover any defects and to correct them before any serious damage can occur. The necessary preventive maintenance checks and routine services to be performed are listed and described in this section. The checks and possible corrective actions should be performed in the sequence given. Defects discovered during operation should be noted and corrected as soon as operation allows. Cease operation immediately, if an observed fault is of a nature that may result in damage to the equipment. Record all malfunctions requiring a higher category of repair.

b. If the radio set must be kept in continuous operation, check and service only those items which do not affect operation. Perform complete equipment inspections and services at the first opportunity that the radio set can be serviced.

3-4. Maintenance During Normal Operation

a. To ascertain during operation that the radio set is in proper working order, observe the visual and auditory indications furnished. Operating instructions are given in Chapter 2 of this manual. The solid state display (SSD) indications and alarms are defined in Table 2-2 and Table 2-3.

b. If a fault is suspected during the operation of the radio set, the checking

procedures given in paragraph 3-6 should be performed. For specific faults or alarms, refer to the troubleshooting section of this chapter,

3-5. Preventive Maintenance

The following procedures should be performed, both to locate a suspected fault and as preventive maintenance after 1000 hours of operation or every six months, whichever comes first.

- a. Observe normal operating indications (paragraph 3-4).
- b. Perform check out procedure (paragraph 3-6).
- c. Check battery charge in accordance with the particular battery instructions.

3-6. Checkout

NOTE

This checkout should take no longer than 15 minutes if there are no faults.

- a. Turn the receiver-transmitter on by setting the function selector to USB R.
- b. Set the receiver-transmitter to any convenient frequency by starting with the left hand (most significant) digit, and pressing each pushbutton in the frequency selector until the display above it shows the desired figure. Note that pressing the pushbutton once advances the digit by one count; to advance the count again, release the pushbutton and press again.

When it is required to set the frequency

a

in the dark, turn on the display illumination by setting battery control switch to LITE. If the frequency display does not light up, refer to paragraph c below.

o. Check the battery by turning the battery control switch to HAT. At least one indication on the solid state meter display should be illuminated, indicating that the battery voltage is at least 22 V dc.

d. If the battery voltage is critically low, a battery alarm will be actuated (flashing lamps and beeps heard in earpiece/headset). This occurs in every mode and overrides all other indications. The battery should be immediately recharged or replaced.

To remove the battery, refer to the procedure described in paragraph 2-4.c.3..

To recharge the battery, follow the recharge procedure for the particular battery or use the hand crank generator (paragraph 4-4).

All tests must be performed with a fully charged battery installed in the

receiver-transmitter.

e. Check the tuning process, side-tone and transmitter output power by performing the following steps:

NOTE

The radio set will transmit when the press-to-talk (PTT) key is pressed. Do not carry out this procedure if radio silence must be observed; instead return to this procedure when the order for radio silence has been lifted.

- 1) Set the controls as follows (Figure 2-1):

Selector/Control	Setting
Battery control	NORM
Mode selector	AM
Function selector	R/T USE or R/T LSE
Volume	Mid-range

- 2) Press the push-to-talk (PTT) key on the handset and keep it pressed for some seconds; the following should occur.
 - Illumination of the display indicators in sequence from left to right (they will appear to "run" from left to right) for a few seconds while the automatic tuning is in process; during this time a signal should also be heard in the earphones/headset.
 - At the end of the tuning process, continuous illumination of one or more of the display indicators shows the presence of transmitter output power.

- 3) While still pressing the PTT key, speak into the mouthpiece of the handset: the operator's voice should be heard in the earpiece (sidetone) confirming that the transmitter is functioning.

- 4) Release the PTT key and listen in on the earpiece: the receiver noise should be heard.

- 5) Turn the volume control clockwise: the noise should increase; return the volume control to its original position.

- 6) Set the mode selector to SSE; press the PTT key and wait for the display to stop; then repeat the procedure of the preceding two paragraphs. Note that the indicators will be illuminated **only** when audio intelligence is provided.

- 7) Release the PTT key. If all checks are satisfactory, the radio set can be considered as checked out and **in** good working order.

If any of the checks do not give the expected result, refer to Section III or to a higher category of maintenance.

Section III. TROUBLESHOOTING

3-7. Situations demanding troubleshooting procedures are based on the indications of the front Panel S5b and OP tones heard in the earpiece of the handset or in the headset. The S6D indications during normal operation and alarm situations are described in Chapter 2. Note that alarms override

all other indications and should be **3-E** attended to immediately.

Corrective Action

Table 3-1 lists possible malfunctions of the radio set, their probable causes and the corrective actions required.

Any problem encountered beyond the scope of these troubleshooting instructions must be referred to a higher category of maintenance. No maintenance beyond that described in Table 3-1 should be attempted by the operator. See paragraph 3-1.

NOTES

1. Once a malfunction has been localized and corrected, the equipment should first be operationally checked. Refer to paragraph 3-6.
2. When checking the correct mating of

Table 3-1, Troubleshooting

Item	Fault indication	Probable cause of fault	Checks and corrective action
1.	No indication on SSD and no receiver noise in earpiece.	Improper battery connection or battery is drained.	<ol style="list-style-type: none"> 1) Set battery control to RAT position. If there is no SSD indication, remove battery (Figure 2-2) and check connection. 2) Reconnect battery and repeat check (1). 3) If still no SSD indication is obtained, perform either one of the following: <ul style="list-style-type: none"> - replace battery with a good one. - use hand crank generator: 4) If SSD still shows no indication, refer to higher maintenance category. <p style="text-align: center;">NOTE</p> <p>To charge the Ni-Cd battery, refer to the recharging procedure supplied with the battery.</p>
2.	Frequency selector not illuminated when battery control is in LITE position.	Improper battery connection or battery is drained.	Repeat procedure of item 1 above.
3.	No receiver noise in earpiece (headphones) when function selector is in R or RFT position.	<ol style="list-style-type: none"> a. Faulty or disconnected earpiece (headphones). b. Improper battery connection or battery is drained. 	<ol style="list-style-type: none"> 1) Check that battery control is not in SAVE position. 2) Check mating of handset (headphones) connector with audio connector. Reconnect if necessary. 3) Check for loose connection of cord and connector. 4) Replace handset (headset) if necessary; perform checks for fault. 5) Repeat procedure of item 1. if battery is in order, repeat check (3) above.
4.	No sidetone heard in earpiece (headset) (transmit) with PTT pressed add output power--indication-is present on SSA when audio intelligence is provided to microphone (or data signal pre-	Handset (microphone/headset) faulty or disconnected.	Repeat checks (1) - (3) in item 3.

Table 3-1 (continued)

Item	Fault indication	Probable cause of fault	Checks and corrective action
5.	No power indication when PTT is pressed (transmit). no power. indication when PTT is pressed when audio intelligence is provided to microphone (or data signal pre-	<p>a. Controls not set properly.</p> <p>b. Faulty PTT key or connection.</p> <p>c. Improper battery connection or drained battery.</p>	<p>1) Check that battery control is not in SAVE position. ---</p> <p>2) Set controls as follows: - Function selector: OFF - Mode selector: AM Frequency--selectee to a convenient value near original frequency - Function selector: USE! P./T or LSE R/1'</p> <p>3) Press PTT again and check operation/indicators</p> <p>4) If proper operation is restored, reset controls to original positions and recheck.</p> <p>5) Repeat steps (2) and (3) above for handset (microphone).</p> <p>6) Repeat procedure of item 1.</p> <p>-</p>
6.	Receiver noise present in earpiece (headphones) but no audio signal obtained from another radio set transmitting on the same frequency.	<p>a. Antenna faulty or improperly connected.</p> <p>b. Siting inappropriate for receiving signal from distant radio set.</p>	<p>1) Check antenna according to paragraph 3-9 or paragraph 3-10.</p> <p>2) Check direction and siting according to paragraphs 2-6 thru 2-9 and organizational procedures.</p>

connectors, always disconnect, examine (clean if necessary): and reconnect.

3. All items in Table 3-1 refer to the radio set front panel (Figure 2-1, Table 2-1).

3-9. Whip Antenna Checks

a. Before transmitting check and (if necessary) correct the following: (refer to paragraphs 2-4 and 2-8).

- 1) Whip screwed tightly to base.
- 2) Whip straight, sections fit properly into each other and locked by cinch nut (Figure 2-3).
- 3) Tight base connection to receiver-transmitter (Figure 2-4).
- 4) Antenna connection is clean: inspect by undoing base connection (Figure 2-4).

b. Replace antenna if a section is broken or the electrical connection is damaged.

3-10. Dipole and Slant-Wire Antenna Checks

Before transmitting, check and (if necessary) correct the following:

- 1) Ensure that antenna connection is clean (Figure 2-1, and mating connector).
- 2) Length of antenna wire:
For dipole antenna, refer to Table 2-5 and adjust length accordingly.
For slant-wire antenna, refer to Table 2-5 and adjust length by trial and error within about one meter (3 feet) on either side of the value given.
- 3) Ensure that antenna wire does not touch anything along its length such as trees or bushes).
- 4) Ensure that there is no break in the antenna wire and that it is properly attached to the dipole fixture (for a dipole antenna) or the receiver-transmitter (for a slant-wire antenna) refer to paragraphs 2-9 and 2-10.
- 5) Ensure that the antenna feedline is unbroken and properly connected to both the dipole fixture and the receiver-transmitter (paragraph 2-11).

CHAPTER 4

AUXILIARY EQUIPMENT

4-1. Scone

The optional accessory and auxiliary items *available with* Radio Set-PRC-174 are listed and described in this chapter. The items are arranged in four groups:

Power supplies (optional batteries,

Section I. 4-2. Silver-

Zinc Battery Pack TSZ-

1740

This optional rechargeable battery pack may be used as a direct replacement for the standard nickel-cadmium battery. It gives longer operation between charges and weighs less than the standard battery.

Technical Characteristics

Type	Rechargeable, silver-zinc (Ag-Zn)
Capacity 6 ampere-hours
Operation	16 hours continuous between recharges using a 9:1 receive/transmit ratio
Terminal voltage	30 V dc nominal under load, 22 to 32 V dc operating
Venting automatic
Packaging	pack is replaceable as a single unit with standard connector
Charging 10 hours at 0.3 ampere
Temperature Operating	- 23°C to +71°C
Storage	-48°C to +37°C wet, -65°C to +71°C dry
Shelf life (dry) up to 5 years
Size	direct replacement for standard battery
Weight 2.2 kg

4.3. Nickel-Cadmium Battery Pack TIN-1770

The TNC-1770 rechargeable battery pack is made up of sealed nickel-cadmium (Ni-Cd) cells. Automatic venting is

generators, battery chargers}

Power level amplifiers and vehicle mount accessories.

Audio and telegraph accessories

Remote-control accessories POWER

SUPPLIES

provided to relieve excessive internal pressure caused by incorrect operation.

To recharge, refer to paragraph 9-5.

Technical Characteristics

Type	Rechargeable, nickel-cadmium, sealed.
Capacity 4 ampere-hours
Operation	11 hours continuous between recharges, using a 9:1 receive/transmit ratio.
Terminal voltage 25 V dc nominal.
Packaging	in standard battery case HA-203
Charging	with battery charger BCT-5070 M
Operating temperature range -40°C to +55°C
Dimensions	... 6.7 a 25.1 *40.8 cm

4-4. Hand Crank Generator HCG-1744

The radio set may be operated for indefinite periods on long range patrols or in emergencies, with or without a battery, by the use of Hand-Crank Generator HCG-1744, shown in Figure 4-1. The generator can be used for "float charge" of the battery while the set is being used. A few minutes of cranking provides sufficient charge to the battery to allow an urgent message to be transmitted even if the battery has previously been discharged fully.

The hand crank generator is connected to the radio set, through the CONTROL connector by means of a CX-10071/U cable. To crank the handle conveniently, the generator should be strapped to the

operator's thigh in a half-kneeling position.

Technical Characteristics

Output voltage,
cranked at 80
rpm..... 34 V dc at 0.35 A
36 V dc max, no load

Operating
temperature
range -40°C to +65°C

Relative
humidity up to 95% at +55°C

Weight 1.5 kg

4-5. Battery Charger £CT-5070M
(Figure 4-2)

a. Battery charger BCT-507014 is designed to charge from one to three nickel-cadmium batteries in the PRC-174. The charger supplies a controlled charging current, which it automatically terminates at the end of the required charge time. The charger then switches to a trickle charge to maintain the battery (or batteries) fully charged.

b. The state of charge of batteries as returned from the field is generally unknown. To ensure that each cell is fully charged at the completion of the charge cycle, and to avoid overcharging the charger incorporates a discharge facility which restores batteries to a uniform discharge state before commencing the charging cycle.

c. To discharge batteries with the charger, proceed as follows:

- 1) Connect one, two or three batteries on the discharge side of the unit using the battery latches provided.
- 2) Start the discharge of the batteries by pressing the PUSH-TO-START pushbutton; the discharge process will be indicated by a green indicator light. To avoid "deep discharging" the battery, the push-to-start button should not be repeatedly depressed after completion of one discharge cycle.

d. To charge batteries with the charger, proceed as follows:

- 1.) Connect the charger to a suitable source of line input power as indicated on the unit, using the cable provided.
- 2) Connect one or two batteries on

the charge side of the charger using the battery latches provided; switch the CHARGING selector to the position corresponding to the number of batteries connected.

- 3) Switch the input power switch to ON; the ON indicator will be illuminated. One (or both) battery-connection indicators and the full-charge rate indicator should be illuminated.

If the indicators for correct battery connection are not illuminated, switch the charger to OFF and reverse the battery (or batteries); switch to ON again. If the indicators are still extinguished, check the power connection. If the fault cannot be found refer the unit to a higher category of maintenance.

After approximately eight hours on full charge, the charger will automatically switch to trickle charge; the corresponding indicator will be illuminated and the full-charge indicator will be extinguished. The batteries may be left in the charger as long as desired; the charger will maintain the batteries fully charged.

CAUTION

1. When changing battery connections, always switch the power to OFF.
2. The charger is cooled by convection and conduction. It should be operated in an upright position and the airflow around it should not be restricted.
3. Charging and discharging of the batteries must not be carried out simultaneously because of thermal considerations.

Technical Characteristics

Input power 110 V or 220 V (as marked on unit)
single phase, 47 to 63 Hz
200 VA (3 batteries)

Output voltage, 28 V dc nominal

Output current;
full charge.... 3 A ±3%, each battery

trickle
charge approx. 30 mA, each
battery

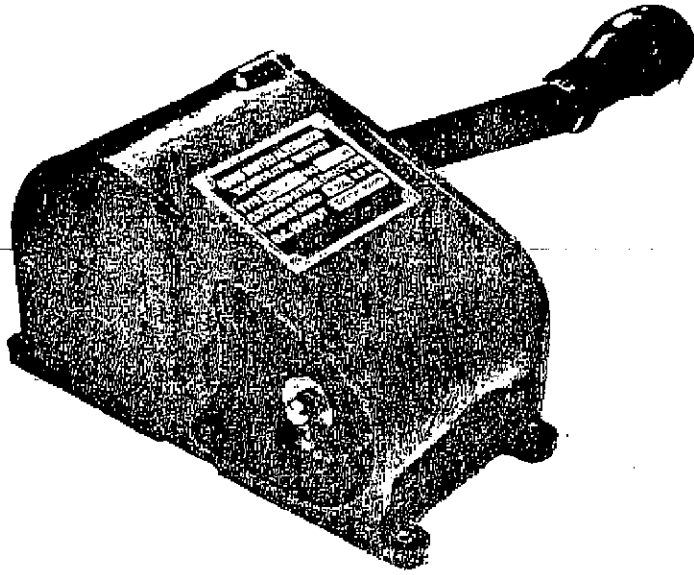


Figure 4-1, Hand Crank Generator HCG-1744

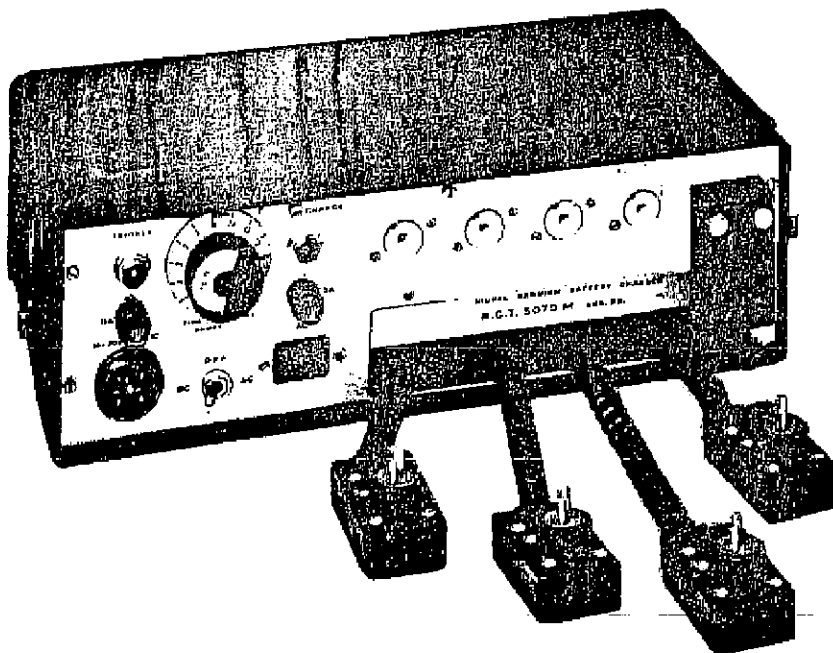


Figure 4-2. Battery Charger BCT-5070M

Technical Characteristics
(continued)

Time to charge-8 hours
Dimensions 434 r. 130 x 254 mm
Weight 12 kg

Output power...31 V dc at 3 amperes,
nominal

Operating temperature range
..... -20°C to +65°C
Dimensions ... 41 x 14 x 17 cm
Weight 8 kg

4-6. AC/DC Power Supply PP-3216

The PP-3216 is a solid state regulated power supply which powers Radio Set PRC-7-4--from ether-13--or 230 volts -540/60 Hz in a fixed (shelter) configuration. It connects to the radio set **via** the CONTROL connector and the remote cable assembly, CX-10071/U.

Similar power supplies are available for the fixed configuration of the radio set with its RF boosters:

- VRC-176, 100 W RF output: PP-3217
- VRC-476, 400 W RF output: PP-4703/GRC.

Technical Characteristics

Input power 115/or 230 V
single phase,
47 to 63 Hz
150 VA

Refer to the specific equipment manuals for full descriptions.

Section II. POWER BOOSTER AMPLIFIERS AND VEHICLE MOUNT ACCESSORIES

4-7. Interface Unit OA-807

Interface Unit OA-807 adapts the receiver-transmitter of the PRC-174 for the vehicle mount configuration. It also provides an interface between the receiver-transmitter and the RF booster amplifiers. For operating instructions and specifications refer to the specific operating manuals.

increase the RF output power of Radio Set PRC-174 to 100 and 400 watts respectively. Appropriate accessories, together with Interface Unit OA-807 and Receiver-Transmitter RT-936/PRC-174 constitute the VRC-176 and the VRC-476 radio sets. The main operating characteristics (apart from output power) are similar to those of the PRC-174. For detailed instructions refer to the applicable operator's manuals.

4-8. 100/400 Watt Radio Frequency Booster Amplifiers AN-1760/AM-4760

Booster Amplifiers AM-1760 and AM-4760

Section III. AUDIO AND TELEGRAPH ACCESSORIES

4-9. The audio and telegraph accessories are listed in Table 4-1. They can

all be directly connected to the audio connectors. (Refer to Figure 2-1.)

Table 4-1. Audio and Telegraph Accessories

Description	Remarks
Headset H-1408/U	Part of recommended basic system
Microphone M-80/GR	
Vox Kit VX-454	
Loudspeaker Amplifier LSA-100TH	
Audio Cable Assembly ex-1747	
Telegraph Rey KY-562/0M	1 w output, distortion less than 58

Section IV. REMOTE CONTROL ACCESSORIES

4-10. Remote Control Box C-1745

Remote Control Box C-1745 duplicates all control functions of the PRC-174 front panel when connected to the front panel CONTROL connector by means of Remote Control Cable Assembly CX-1745. (See Figure 2-1.)

4-11. Other Remote Control Accessories

Table 4-2 lists several other accessories which are available. Their detailed operating instructions and specifications are given in the applicable instruction manuals.

Section V. MISCELLANEOUS ACCESSORIES

4-12. Automatic Test Set TS-1748

Automatic Test Set TS-1748B automatically checks the basic operational characteristics of Radio Set PRC-174. It provides the proper input stimuli in an automatic sequence and measures the

radio set responses to these stimuli. It displays the results on a GO/NO-GO test basis. Manual testing override is provided on the test set.

Table 4-2. Other Remote Control Accessories

Description	Remarks
Communication Receiver 8-1687	
Multitone SSR Selective Squelch Calling Sp-546	Allows multiple circuit operation on private line basis

THEORY OF OPERATION

5-1. Introduction

The PRC-174 transceiver is a completely solid state, double conversion, super-heterodyne receiver and transmitter. A fully automatic antenna coupler provides for matching of short whips of 6 to 9 feet and to practically any wire antenna. The PRC-174 is of modular design. Every module circuit is described in the following text and followed by a detailed drawing.

a. Receiver. A 12 MHz narrow band crystal filter centered on the first IF frequency of 109.35 MHz is located, after the first mixer on the receiving side. This filter helps protect later stages from overloading caused by strong nearby signals. Main receiver selectivity is provided after a gain of a few dB, after the second mixer. This second crystal filter is high linear phase, 3.2-kHz wide. In the NCW mode this filter is changed over to a 500 Hz bandwidth crystal filter, and in the AM mode to an 8 kHz bandwidth. Thus maximum performance is obtained under any operating mode.

b; Transmitter. The transmitter operates according to the same frequency concept as the receiver, thus allowing the use of the same synthesizer and crystal frequencies.

c. Power Amplifier. The power amplifier is a broadband pushpull stage. It utilizes "High-Rel" power transistors withstanding a VSWR of ∞ ; 1 at any phase and temperature combination.

d. Noise Factor. The noise factor of the receiver may limit the reception at some channels if signal strength is insufficient. However, most of these channels may already be unusable due to atmospheric man-made or galactic noise. Since the system must be designed for reliable reception, worst conditions should be assumed. Present technology allows the design of receivers with very low noise figures but this is neither needed nor desirable. Noise factor and intermodulation products are conflicting parameters. The MP-213 is designed for better intermodulation products and a noise figure of 10 to 12 dB.

e. First Mixer. Mixer performance has been enhanced by using high-power field effect transistors. Tight half-octave filters with an insertion loss of less than 1.5 dB preceding the mixer, and a high driving level, allow for the use of low level intermodulation products.

f. IF Amplifier. The first IF frequency is more than triple the highest signal frequency to be received. There are a number of advantages to this choice. Image frequencies are far removed from the signal frequency and are thus rejected, mainly by the low pass filter, with a minimum insertion loss. IF frequencies are similarly rejected. More difficulties were encountered in the rejection of second IF and half IF frequencies. A balanced configuration of all front end mixers and amplifiers, and a carefully designed layout, attenuated these spurious responses by more than 80 dB. The total gain of the two mixers and amplifiers, up to the second IF filter, is kept low enough so as not to surpass the designed NF level of 10-12 dB while keeping all interfering signals at a low level before main filtering. Most of the required gain is easily obtained after the filter. The IF amplifier uses wide band amplifier stages and selectivity is provided by the crystal bandpass filter.

5-2. Transmit Signal Flow

a. Audio input is fed to a microphone amplifier and compressor stage. The amplified audio is mixed in the balanced modulator with the 5.25 MHz frequency to provide a double sideband signal.

b. This signal is processed in the filters' unit to provide SSB or AM, then amplified and mixed again with a carrier of 104.1 or 114.6 MHz from the synthesizer. The mixing at these two frequencies provides either USB or LSB at the IF frequency of 109.35 MHz.

c. A narrowband crystal filter cleans up the signal before it is mixed with the variable frequency at 111.35 MHz from the synthesizer.

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d. The mixing of these two signals provides a low level radio frequency in the range of 2 to 30 MHz. After filtering in a lowpass filter, the signal is fed to the driver and power amplifier stages, then to the sub-octave filters, then to the antenna tuning unit and the output connector.

e. During CW operation an accurate 1000 Hz tone is generated from the synthesizer and fed to the transmitter's balanced modulator.

f. Automatic level control voltage is generated by PA supply current and RF output voltage through a gate, and controls the 5.25 MHz IF level so as to provide a constant output power level and to protect the power amplifier from over-drive and from high current.

5-3. Receive Signal flow

a. Signals from the antenna are coupled through the antenna coupler and sub-octave filter to the first receiver mixer. After mixing up to 109.35 MHz with the variable frequency of 111.35 to 139.35 MHz from the synthesizer, the signal is band-limited by a narrow crystal filter of 109.35 MHz, and fed to the second mixer. This mixer mixes the higher frequencies down to 5.25 MHz.

The output of the second mixer is fed via the selected SSB, AM, CW or NCW filter to the IF amplifier and SSE or detector, and amplified to the appropriate earphones level.

c. Automatic gain control voltage is detected at the IF output, amplified and directed through special timing and leveling to the RF attenuator before the mixer, to the buffer amplifier and to the IF amplifier.

d. At the input to the first mixer a protector prevents damage from nearby stations.

5-4. Frequency Synthesizer

a. The frequency synthesizer is a digitally controlled source that provides all the required signals for operation of the PRC-174 from 2 MHz to 30 MHz in 100 Hz channel spacing. The synthesizer utilizes two generating phase-locked loops and one summing loop. The main generating loop synthesizes in 20 kHz increments and the low loop operates in 100 Hz increments. The low loop operates from 30 kHz to 50 kHz in 100 Hz increments, with a frequency stability as determined by a 5 kHz signal derived from the TCXO (Temperature Compensated Crystal Oscillator) frequency. This frequency is summed with 104 MHz by the "SUM" loop.

b. The 104 MHz frequency is derived as follows:

When in USE, 114.5 MHz from the crystal oscillator is mixed with 10.5 MHz derived from the TCXO and the 104 MHz product is filtered out. The 114.5 MHz frequency is also needed for the second mixer in the XCVR.

When in LSE, a crystal oscillator of 104 MHz operates and provides the frequency needed for the "SUM" loop. The main loop VCO output frequency is from 111 MHz to 139 MHz. This frequency is mixed with the output of the "SUM" loop and the product is divided down to 20 kHz by a variable divider.

c. This output enters a phase detector with a 20 kHz reference derived from the TCXO. The output of the phase detector drives the main loop VCO.

d. The synthesizer is mounted on 6 modules plugged into the main mother-board. Extensive use of CMOS IC's in the digital circuit keeps the power drain to a minimum.

5-5. Indication System

The indication system is designed to provide the operator with information about the system's operating conditions. All indications are given both visually and audibly simultaneously. The indications are

a. Battery Condition. When battery voltage drops to less than 22V dc an audio click is heard in the earphones and the meter lights flash at a low pulse rate. When the battery switch is in BAT position the meter indicates the normal battery voltage of 22 to 26 volts.

b. Signal Level Meter. When in receive mode, the meter indicates the level of the incoming signal in the range of 20µV to 300µV.

When in transmit mode the meter gives a relative indication of RP output power. If the average output power drops to less than 5 watts the system's side tone should turn off.

c. Automatic Matching Operation. With automatic matching in process the indicator lamps are switched on/off sequentially and an audible tone is heard in the earphones at a frequency of 3 Hz.

d. No Match. In the event that no matching is achieved, the meter lights flash at a frequency of 5 Hz and an audible tone is heard in the earphones.

e. Faulty Frequency. When a faulty frequency is selected (00,XX MHz and 01,XX MHz) the same alarm as for "no match" is heard and displayed.

5-6. Power Amplifier

a. The PA consists of a push pull power amplifier, operating class AB, which drives the final amplifier (Q3, Q4), operating class AB as well. A separate regulated bias supply is included for each power amplifier, thus providing good overall linearity. The frequency response is shaped by the help of compensation components RS, R7, C2, L2.

Relay K1 selects PA for operation in normal conditions or bypasses the PA when using the vehicle's power amplifier.

5-7. Power Supply

a. The power supply is based on hybrid switching regulators U1, U2, U3, U4 and filters, and supplies the following voltages as required for system operation:

+5V, +12V, +15V, -12V, +34V.

b. Supply voltages are indicated by the front panel meter, and protection to the PS circuits is provided by a 7A fuse fitted within the Unit. The high power 34V regulator required for the power amplifier is built around discrete components and power transistors Q6, Q7.

Resistor R7 senses input power to the power amplifier on the ALC line by sending a positive voltage relative to the current level.

5-B. Synthesizer Modules

a. The "LOL" Module. This module is basically a phase locked loop which works with a reference frequency of 5 MHz derived from the TCXO. The VCO of this loop operates from 1.5 MHz to 2.495 MHz in 5 kHz steps. This frequency is divided by a variable divider to 5 kHz. The 5 kHz frequency then enters a phase detector with a 5 kHz reference source, and the phase detector output drives the VCO. The output frequency of the VCO is divided by 50 to form an output of 30 kHz to 49.9 kHz in 100 Hz steps.

b. The "SUM" Module. The "SUM" module contains a voltage controlled crystal oscillator (VCXO). The output of the VCXO, and 104 MHz from the VSP, module are input to a mixer, the output of which, plus the output of the LOL module drive a phase detector. The output of the phase detector controls the VCXO, thus this output is the sum of the LOL output frequency and the USB module 104 MHz frequency.

c. The "REF" Module. The "REF" module contains a 3.5 MHz Temperature Controlled Crystal Oscillator (TCXO). The 3.5 MHz frequency is divided and multiplied, to provide the following outputs: 5.25 MHz applied to the product detector/modulator; 10.5 MHz to the "USB" module; 20 kHz as reference for the main loop; 5 kHz as reference frequency for the "LOL" module.

d. The "USB" Module. The "USB" module contains two crystal oscillators. One oscillator operating only in LSB at 104 MHz, the other only in USB at 114.5 MHz. The two oscillators are connected to the second mixer input in LSB and USB respectively. The output of the LSB crystal oscillator is connected directly to 104 MHz and input to the "SUM" module. When in USB mode, the USB crystal oscillator is

mixed first with 10.5 MHz from the "REF" module and the frequency difference (104 MHz) is connected to the "SUM" module.
5-9. SNF Module

The SNF module consists of the following functional subassemblies:

- 1) Transmit-receive switching
- 2) Sub-octave filters
- 3) Transmit level detector
- 4) Automatic level control
- 5) Antenna matching sensors

a. TR - Transmit-Receive Switching.

The PTT commands are received from the control module in logic form (I=+12V; 0=0V). The TR/R relay is activated thru a transistor relay driver (M of quad -4 transistor hybrid). In the TR mode, the high power RF signal passes from the power amplifier (PA) to the matching network (MN) and to the antenna. In the R mode, the low RF received signal passes from the antenna, thru the MN to the receiver.

b. Sub-Octave Filters (FL-1...FL-6).

The entire frequency range (2-30MHz) is divided in 6 subranges, each of them smaller than one octave (typically $\Delta f \approx 1.5$). A band-pass switchable filter is provided for each sub-range. The filters are built from low-pass and high-pass, 50ohm sections. The low pass 20-30MHz section of FL-6 filter is permanently in the circuit, providing supplemental MY attenuation.

Typical filter performances :

- in-band insertion loss : 1dB
- HF attenuation (up to 11DMz): ⁴⁵⁰³
- LF attenuation: 25dB

The band commands are supplied by the LORD Module or by the panel, in +12V/0 logic signals and cause switching of the filter relays via transistor relay drivers.

c. Transmit Level Detector (TR.L.).

is a peak voltage *detector*, supplying to the Control Module a DC voltage proportional to the RF signal level at filter outputs.

d. Automatic Level Control (ALC).

This detector provides a D.C. voltage proportional to the forward RF power (PF) at the matching network input. The detector is realized on the principle of measuring the forward voltage, by vectorial comparison of total load voltage and total load current samples.

The comparative system allows the switching of the RF signal on 2 trajectories with different time constants: TUNE or OPERATE. The threshold adjustment circuit, which determines the RF output power (20 W nominal) is common to the 2 operating modes. -

The ALC accuracy and stability is better than ± 1 dB for the whole frequency, temperature and load range.

e. SENSORS. The SNF module includes 3 sensors: R-detector, phase detector and VSWR detector, which are activated in the TUNE period only (antenna matching time: 5 sec. max.).

The sensor *RF* input power is 5w (due to the 6dB attenuator). After tuning the 3 sensors and the attenuator are bypassed and the full 20W RF power passes directly to the matching network (OPERATE period).

- 1) The R-Detector is practically a phase-detector, which measures the phase angle (ϕ) between the total current and the reflected voltage. The detector passes thru zero value only while the resistive load component (R) passes thru 50 Ω , independently of the reactive (X) load component. Then the output comparator changes its logic state ($\pm 12V$).

The R-detector sensitivity is better than $\Delta R = \pm 30$ for reactive component ($X < 20$) and $\Delta P = \pm 10\%$ for reactive component ($X < 1500$).

- 2) The phase detector measures the phase angle (ϕ) between the total load voltage and current samples. The output comparator changes its logic state ($\pm 12V$) while ϕ passes thru zero. -

The detector sensitivity is better than :

$$\Delta X = \pm 100$$

- 3) ThO VSWR Dgtector measures the reflected voltage and consequently the reflection coefficient (V) or indirectly the VSWR. This detector is built on the same principle as the ALC PF-Detector. Two comparators and a threshold adjustment system allow for a frequency selective threshold
- LT (Low Threshold) : VSWR = 1.5
for f = 2-20 MHz
- LT (Low Threshold): VSWR = 1.8
for f = 20-30 MHz
- HT (high threshold): VSWR = 2.5
for f = 3-30 MHz
- ET (high threshold): VSWR = 3.5
for f = 2-3 MHz.
- 5-10. Control Module

The control module controls the system's operation and metering by providing references and levels, and by proper timing of all functions. The control module is comprised of four sub-units;

- a. Priority Encoder, which determines priorities for the following functions:

- 1st priority to the 21V Detector, which indicates a low voltage (less than 21V) condition by actuating LED flashes and audible clicks in the earphones; or the LED which lights as a function of battery voltage when BAT is selected.
- 2nd priority to a No-Match or Incorrect Frequency condition. Indication lamps flash rapidly and a fast beep tone is heard.
- 3rd priority to the automatic tuning process, at which time the indicator lamps flash sequentially and clicks are heard.
- 4th priority to indication of transmission.-or-reception-power. the LED indicators light as a function of Tx or Rc signal power.

The Priority Encoder circuit is comprised of integrated circuits U12, U13 and U14.

b. Tx Disable sub-unit consisting of ICs 011 and U16, is designed to prevent transmission when one of the following commands is received: either SF or Fe or with the panel function -selector-switch-set to R (receive only)

c. PTT Delay Circuit which consists of U11, U12, U15, causes delay between PTT of 12V, 15V and 5V, and PTT PRE.

d. Control sub-unit controls the following functions:

- 1) SSE function, with mode selector
 - 2) CW function, with mode selector set to NCW or WCW
 - 3) 1NHF3 function, caused while
- tor set to SSB, DATA or WCW transmitting and the switch is not set to AM.

5-11. Automatic Antenna Matching Unit (AMU)

The AMU automatically matches the antenna impedance to the 50 Ohm output impedance of the power amplifier.

Antenna: 9 foot to 6 foot whip, resonant dipole or any antenna providing maximum 10:1 VSWR.

Frequency ranges: S

Matching criterion: Minimum VSWR

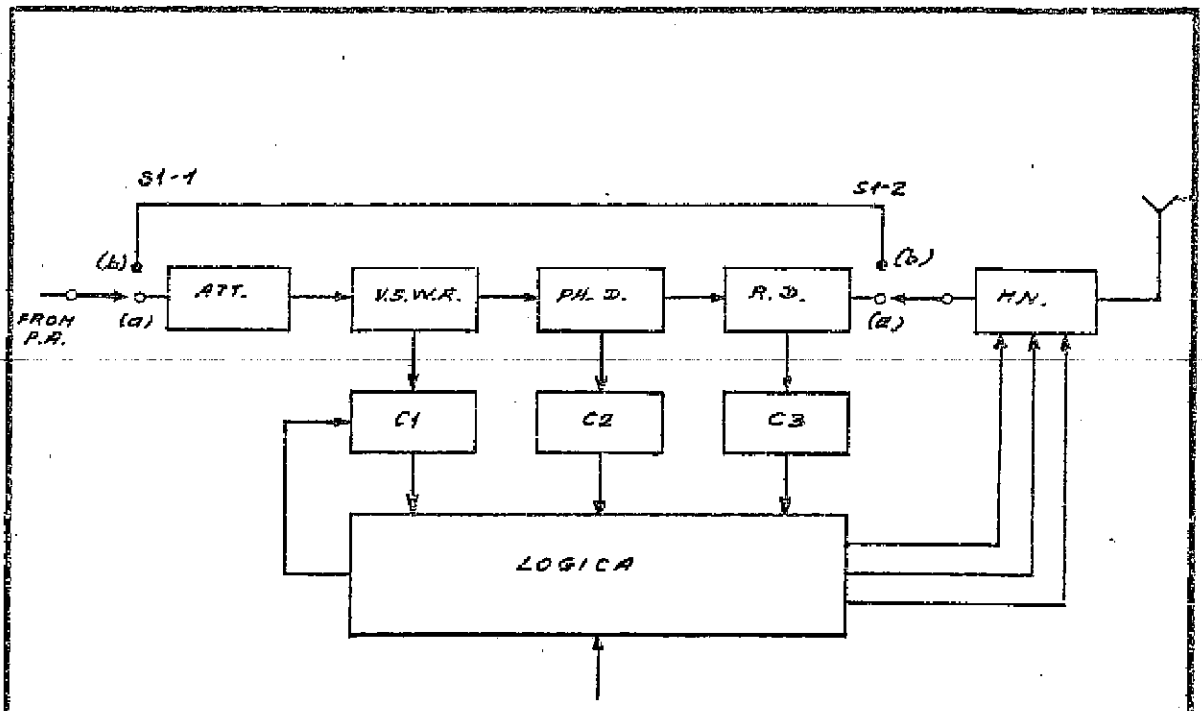
Tuning power: 5W

Maximum power: 20 PEP

Tuning time: - max. 5 sec (at first PTT, frequency changes or drastical environmental changes)
typical < 200 ms.

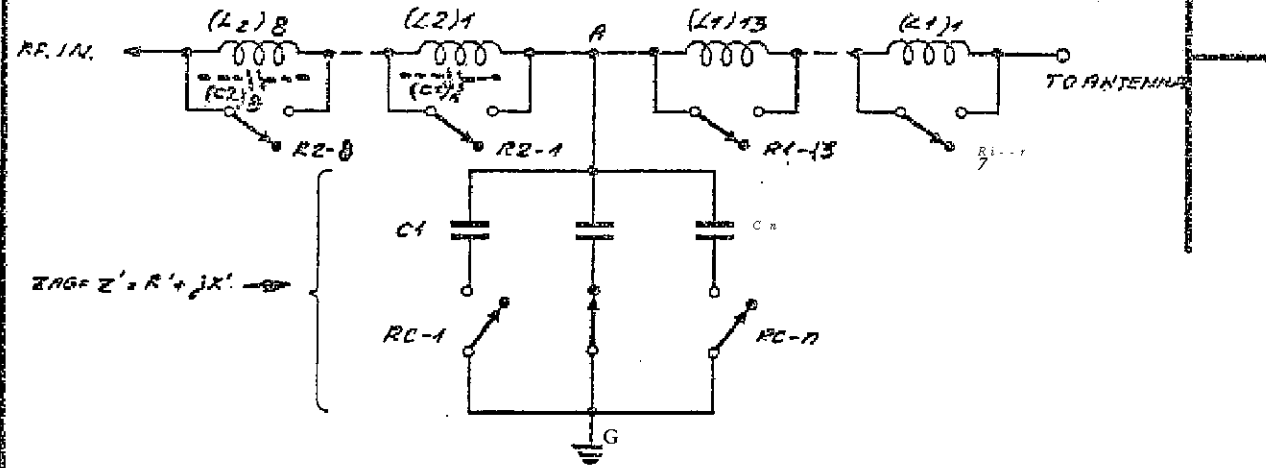
Matching is accomplished by sensing the resistive component and the phase of the matched antenna (antenna plus matching network assembly). (See block diagram).

a. The Matching Network is a T structure (fig. 2). C is a band-switched capacitor. L1 is a 13 step loading inductance (max. 8 steps for each frequency range). This relay-switched inductance controls the resistive component of the matched antenna is. an. *. step phasing inductance (max. 5 steps for each frequency range) and controls the phase of the matched antenna impedance.



FI*EgDE/VGY SAVA/GE
 41-L 100 T@NNI7 Y P E

FIG. 1. AMU-BLOCK DIAGRAM



$Z_{AG} = Z' + R' + jX'$

// Z . . , HA' -- N/# r CN, N < / V 5

3 i a	Fi	a*			
..r5;15r" m ri	5s , rn11 . rPro				
51f 0124, x//7*					
/ * C77	1»n				
* /		4			
	D R	k			

FZG, 2
LIMITE MATCHING CHARACTERISTICS
FOR 8-11 Mc/o FREQUENCY RANGE

IMPEDANCE OR ADMITTANCE COORDINATES

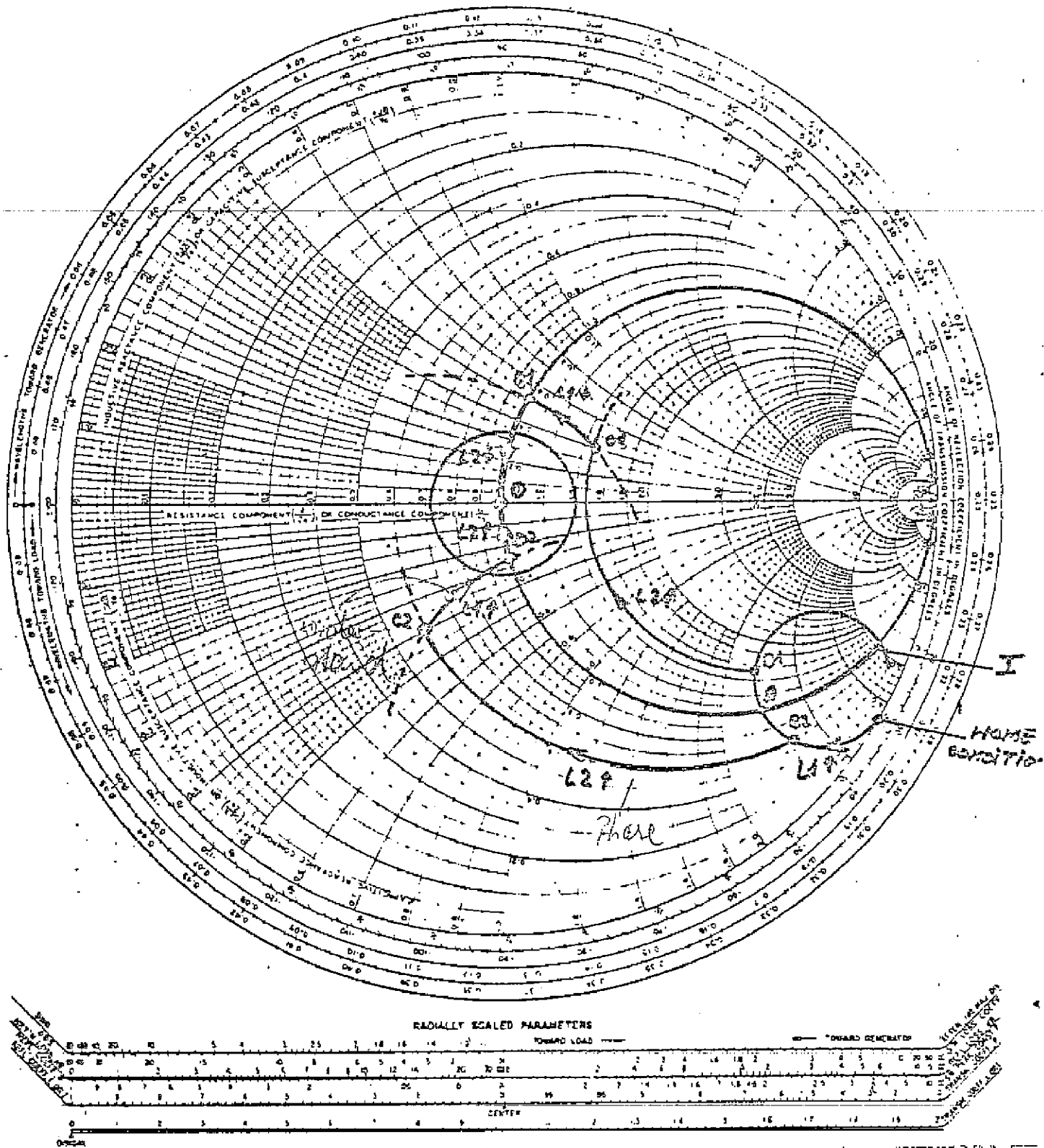


FIG. 4

TYPICAL MATCHING PROCESS

b. The Matching Method. For each frequency range there are a number of characteristics (fig. 3) for Z' impedance of antenna + matching network assembly (fig. 2). These characteristics define in the Smith Chart plane the antenna impedances that can be made. For instance, fig. 3 represents the particular application of the 8-11 MHz frequency range. Each circle represents Z' for a variable L1 and constant frequency, antenna capacitance and antenna resistance. The small circles correspond to maximum antenna resistance values and the large circles to minimum antenna resistance values.

- I - f_{min} = 8 me/s; - 1 R*A = R_{Amax}.
- II - f_{min} A - R_{Amax}.
- III - max = 11mc/s; R_A = R_{Amax}.

IV - f_{max} - R_A R_{Amin}

c. The capacitance value of the band-switched capacitor is designed to provide for intersection of the minimal circle with a 50 ohm constant resistance circle.

The matching process is normally divided into 2 tuning cycles (coarse and fine tuning), each divided into 2 actions (loading and phasing). Diagram fig. 4 represents a typical matching process. Matching begins from home conditions (L1 L2 = Or C = C_{nom}) Circle I represents the locus of Z' = R' + jX' impedances when L1 increases (for constant frequency and antenna parameters). Point A is the ideal first intersecting point with the 50 ohm circle (R/R₀ = 1), thus Z' = 50 + jX'. Points B1 and B2 represent extreme situations including maximum errors of the R-D sensor and the finite resolution of L1. This first intersection is sensed by the R-D sensor, when the resistance component passes from R < 50 ohm to R > 50 ohm values, stopping the first loading action. B1-C1 (or B2-C2) represents the first phasing action, for L1 = constant and increasing L2. As the L2 values are small and Q is good, R remains practically constant and B1 is on Smith Chart on the constant R circle. In C1 (or C2) X passes from capacitive to inductive values and the phase passes from negative to positive values. This situation is sensed by the PH-D sensor which stops the first phasing action. C1 and C2 represent extreme situations including maximum PH-D errors

and the finite resolution of L2. If C1 (or C2) are out of the admissible VSWR circle (1.4 in fig. 4), a second tuning cycle is started by a new loading action: C1 - O1 (L1 decreases) or C2 - D2 (L1 increases). After VSWR verification a second phasing action occurs: D1 - O T 2 (decreases) or D2 - O (L2 increases). For matching, point O has to be within the (VSWR) MAX circle.

d. After each step (c) % ge in L1 Cr X2), the VSWR is measured and if VSWR < (VSWR)₁, matching is stopped. After accomplishing, the matching the S1 switch passes from (a) to (h) positions and the power amplifier is connected to the matching network (fig. 1), by passing AT-T, VSWR, PH-D and R-D.

- ATT is a 6 db attenuator which provides 5W matching power to the sensors and good working conditions for the PA during matching.
- VSWR is a reflected voltage-meter.

PH-D is a phase detector, based on the measurement of phase angle between the total current. Its output passes from positive to negative values for a reactive load component passing from capacitive to inductive character.

R-D is a resistive component detector, based on the measurement of phase angle between the reflected voltage and the total current. Its output passes from positive to negative values for this phase angle passing through 90° value. This occurs only when the Qad resistive component passes from R < 50 ohm to R > 50 ohm independently of X values.

At each PTT the switch S1 passes from (b) to (a) positions and VSWR is verified. If VSWR > (VSWR)₂ < = second threshold, corresponding to a maximum admissible mis-matching, (for instance VSSIR 0 the tubing cycle z s startddd from home conditions. if VSWR < (VSWR)₂, only a matching adjustment is performed, starting from the last ter values.

e. Tuning Time. At first PTT (or at each tuning beginning from home conditions) the maximum number of tuning steps is approximately;

$$N_{MA} = 0.75 (N_{L1})_1 + (N_{L2})_1 + (N_{L1})_2 + (N_{L2})_2 = 0.75 \cdot 2^8 + 2^5 + 2^5 + 2^2 = 260$$

where ; $i(N)$ _____ I 4e the number _____ nf saepe fnr L1, in cycle 1

(N_{L2})₁ is the number of steps for L2, in cycle 1

(N_{L1})₂ is the number of steps for L1, in cycle 2

(N_{L2})₂ is the number of steps for L2, in cycle 2.

For 12ms time of each step (defined mainly by relay operate time) the maximum tuning time is 3.12 seconds.

For each PTT the typical number of steps is:

$$N_r = 2^3 + 2^2 + 2^1 = 18$$

and the typical tuning time is: T 216ms.

5-12. Logic Processing Unit (LPU)

a. The Logic Processing Unit can operate in any of two modes referred to as:

- 1) TUNE MODE (Mode 1) and
- 2) Frequency Change/Power On Mode (Mode 2).

MODE 1 is initiated by a positive transition of the PTT input switch.

MODE 2 is initiated by either switching the system power supply on or by producing an inversion in any one or more of the three (3) input sensors designated as X40, X50, X60 (See Appendix B section B1 for a detailed explanation.)

The LPU consists of four major sub-units namely:

- 1) Processor
- 2) Decoder
- 3) Controller
- 4) Timing/Delay.

b. LPU Block Diagram Description (fig. A1-1). The functions of each block are as follows:

- 1) Processor -Provides the required logic to the L1 and L2 controls.

2) Decoder - Provides the needed information to the various sub-units regarding the frequency of operation.

3) Timing CKT - Synchronizes the logic to the speed of the external circuits and provides them with the proper timing commands.

4) Controller - Provides the required output signals to L1 and L2 to optimize overall system operation.

c. Operation. A simplified Flow Diagram given in Figure A1-2 best describes the LPU operation. In the diagram the symbol LI represents a 13 bit parallel Output signal while L₂ represents an 8 bit parallel output plus a +1 sign bit.

The value of L₁ is preset to a predetermined output state which is a function of an 8 bit binary input designated by the functions X42, X43, X50, X51, X52, X53, X60, X61. Thus L1 : Funs. (X42 X51).

The LPU first determines which Mode has been initiated, either a PTT operation (MODE 1) or a Frequency Change/Power On (MODE 2). If Mode 2 has been initiated LI is set to a Preset Value while L2 is set to 0. The first PTT flag is then reset and the units stop . If Mode 1 has been initiated then the LPU goes through a series of iterative steps to optimize the transmitter operational state. The LPU proceeds by asking a series of questions, each of which affects the conditional states of LI and L2. The routines first operate on L1 and then on L2. The iterative process is repeated a second time after which the unit stops.

The first question answered after Mode I has been selected is whether the PTT has been activated for the first time, at a particular operating frequency. If the answer is affirmative, then the first PTT flag is set and a By-Pass routine is initiated. If the answer is *negative*, then an alternate By-Pass routine is activated, after which the unit stops. If V04 equals 1 (indicating a non optimal state), then the LPU continues as if a first PTT had been initiated by the By-Pass routine.

The LPU now checks the status of V02 (Whether 0 or 1). For V02=1 the UP-L1 routine is initiated and for V02=0 the Down-L1 routine is activated. The outputs of either UP-L1 or Down-L1 operate on an external subsystem within the radio set.

This operation may either be successful (PASS), or unsuccessful (FAIL). If it is successful (PASS) the LPU proceeds to activate the L2 controller using a similar method of operation as described for Lj. If the results of the L2 operations have been successful (PASS), then the LPU determines whether this is the first time the iterative cycle has been activated. If the answer is YES then a First Cycle Flag is set and the LPU repeats the procedure. If the reply is in the negative, then the First PTT Flag is set and operation ceases.

In the event an unsuccessful (FAIL) result is obtained from either UP-L1, Down-L1, UP-L2 or Down-L2, a second opportunity is given to activate the external subsystems. If after the second opportunity an unsuccessful outcome is obtained, then an optimal condition cannot be achieved and the First PTT Flag is reset and the unit is stopped.

The resets for the First Chance and the First Cycle flags is accomplished within the Stop Block.

d. Figure A1-3 provides a simplified Flow Diagram of the By-pass routine which is relatively simple and self explanatory.

Figures A1-4a and 4b are the simplified Flow Diagram for the UP-L1 and Down-L1 routines. The same Flow Diagrams are applicable for the UP-L2 and Down-L2 routines, except that L2, J2, G2 and V02 are substituted for L1, G1, J1 and V02 respectively.

The principal difference between 4a and 4b is in the definition of the relationship G1 for the shift register. In the UP-L1 routine this function is defined as $G1 = G1 + 1$, while for the Down L1, $G1$ is defined as $G1 = G1 - 1$. In either routine the operations are similar.

an each routine, the input V03 is checked. If V03 is zero the First PTT Flag is set and the flags for the First Cycle and First Chance blocks are re-set and the unit stops. If VD3=1 then an internal B bit register G1 is incremented (either ± 1) and then transferred to the 8 most left hand bits of L1 without any loss of information.

L1 is then shifted to the right Mmes. The qual -fier-J kb the yreda terminated 8 bit input function metioned above, i.e. (X42, X43). If any overflow (or underflow) should occur due to the incementing of G1 the routine is terminated through "FAIL" outlet. If no overflow (or underflow) occurs, then the state of V02 is checked. A value of V02=1 continues the routine while a value of V02=0 passes the operation to the next routine. that of optimizing the L1.

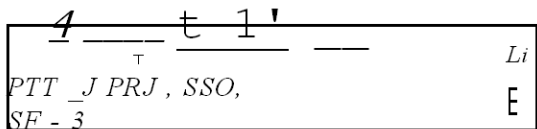
All operations involving any

changes in the states of L1, I.2 or BY PASS outputs follow the timing sequences shown in Figure A1-6.

In this diagram h'FS represents any external pulse output and IO represents the time allowed for changes in outputs. No changes in the L1, L2 BP or TUNE states are permitted unless this timing sequence is followed. Setting TUNE to "1" is the only exception.

Specification 26-93/93-/1
June 15, 1975 .

TUNE BP I_rYrY



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113 Li

ICE < _____

COW-POLL

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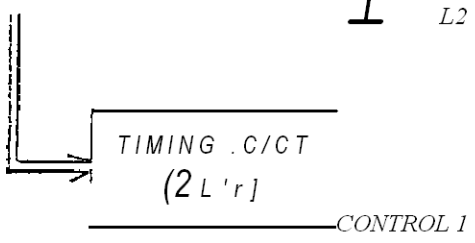
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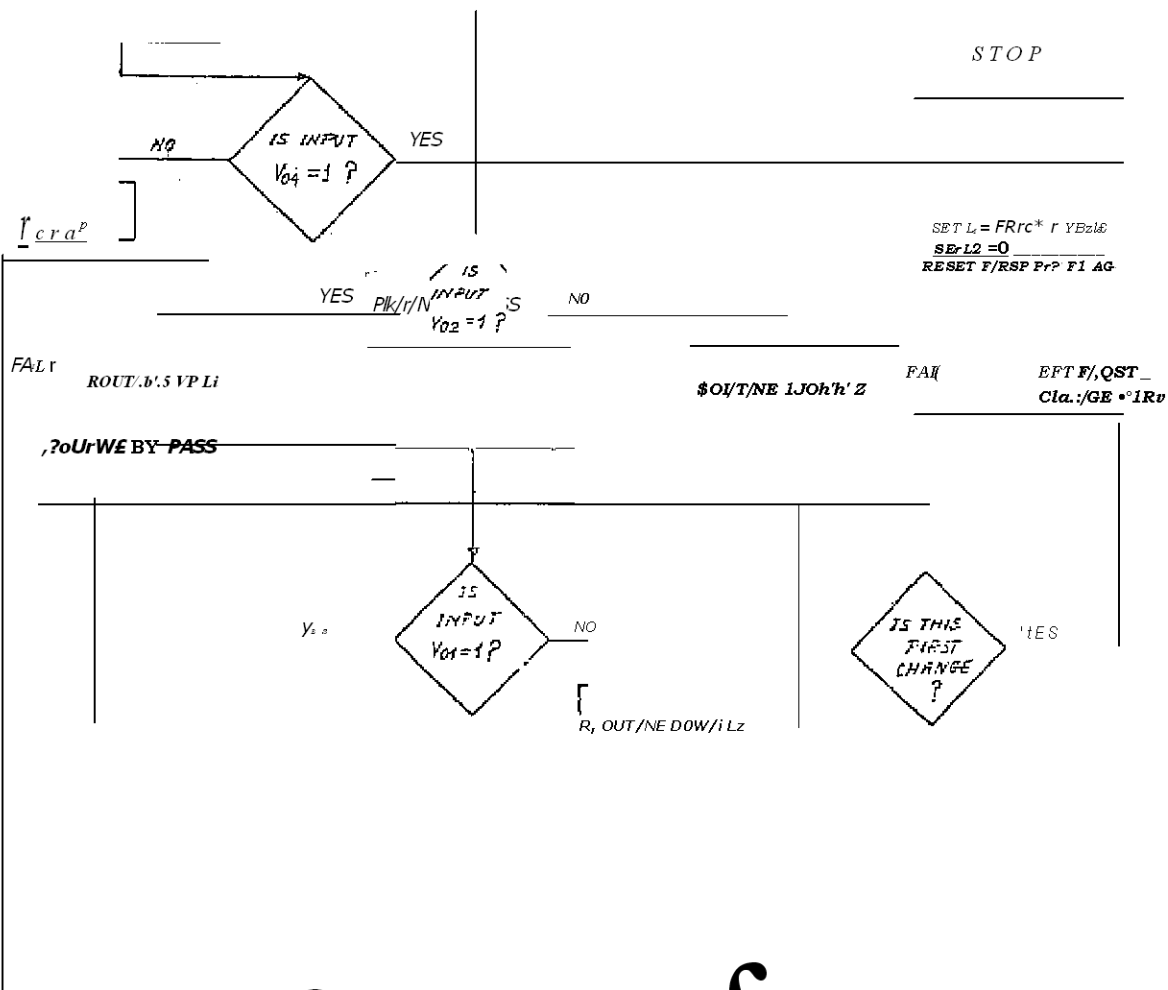
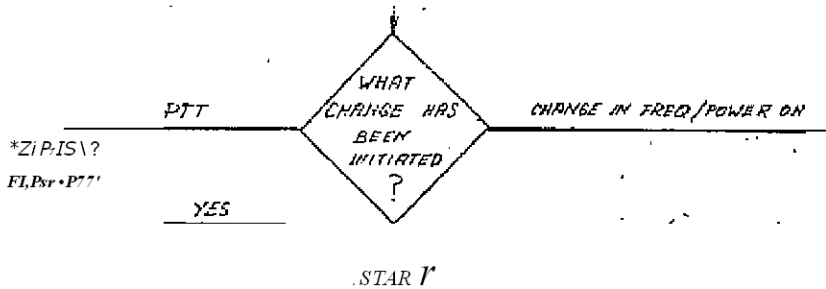
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h *FNr7,2 L F*



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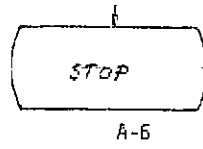
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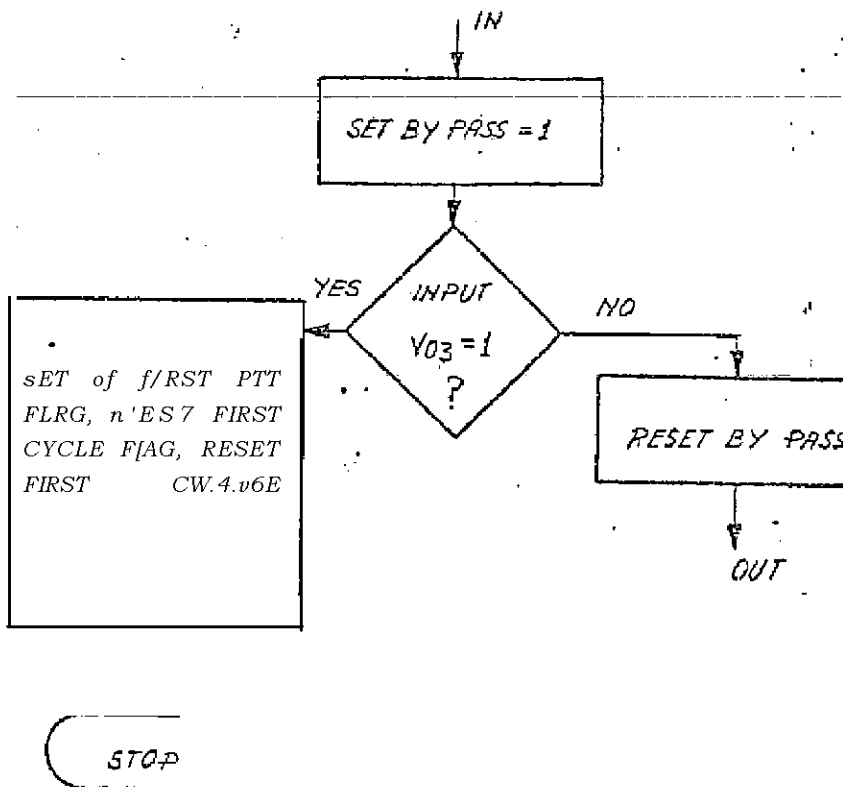


FIGURE Ff-3

~~BY P/388 ROUT/P/5~~

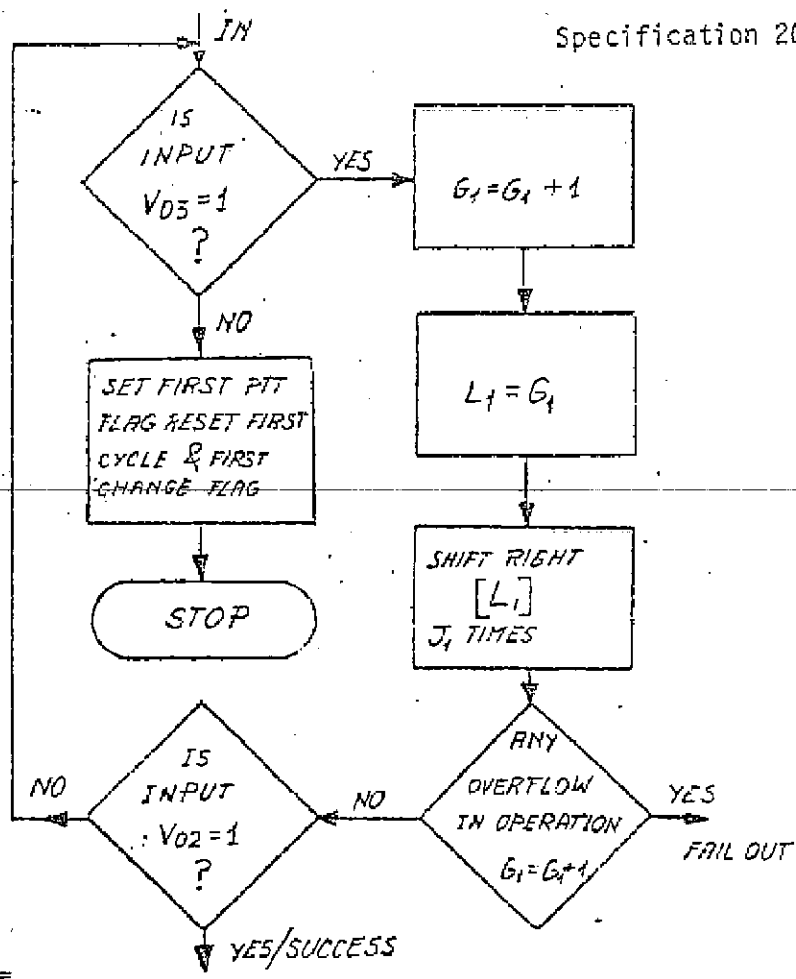


FIGURE A1-4A
UP L1 ROUTINE

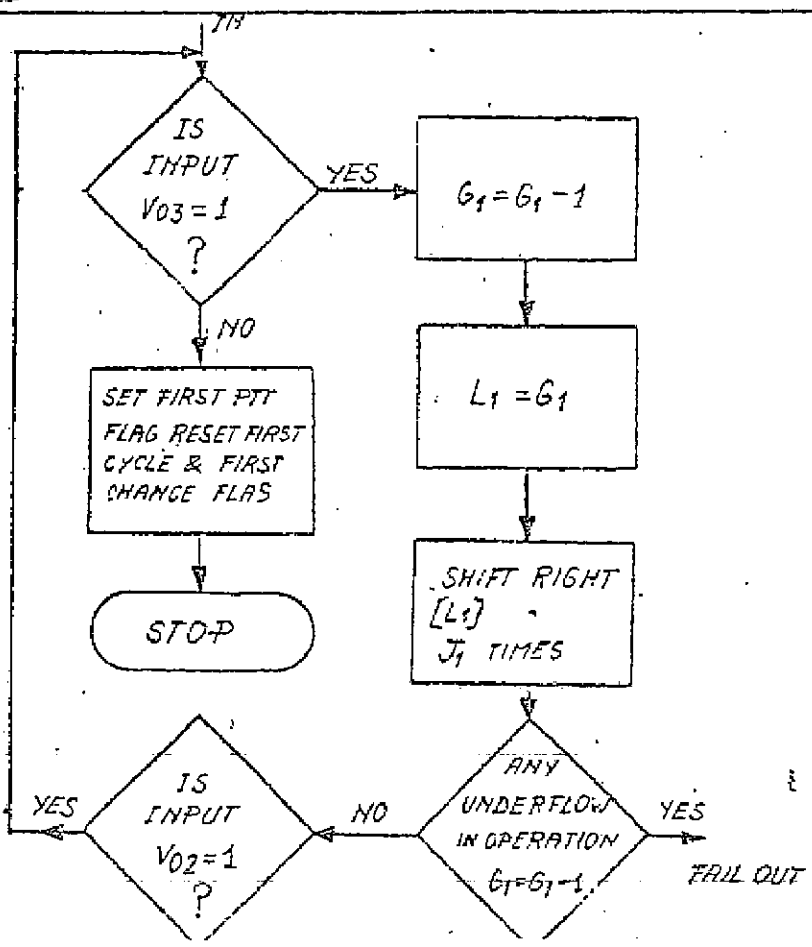


FIGURE A1-4B

CHAPTER 6

SHIPMENT AND LIMITED STORAGE

6-1. Disassembly of Equipment

Radio Set PRC-174 for shipment. Prepare for limited storage and disassemble the equipment according to the following recommended procedure.

a. Remove the radio set from the carrying harness (or adapter and mount, if so installed).

b. Disconnect the antenna from the receiver-transmitter and proceed as follows:

1) Whip Antenna Disassembly and Packing

- Loosen two knurled screws at base to remove antenna from receiver-transmitter (Figure 2-3).
- Fold whip sections by unscrewing cinch locking nut, pulling out uppermost section and folding it down.

- Repeat this procedure for subsequent sections.

-- Unscrew base from whip.

- Place folded antenna in carrying bag CW-663/PRC-74 (Figure 1-6).

2) Dipole and Slant-Wire Antenna Disassembly and Packing

- Disconnect antenna wire or antenna feed line from

receiver-transmitter.

- Disconnect antenna wire from cord and from dipole fixture.

- Wind antenna wires and cord onto their respective reels (Figure 1-6).

Wind dipole feed line onto dipole fixture.

- Check components and pack them in carrying bag CW-863/PRC-74 (Figure 1-6).

c. Disconnect audio accessories from receiver-transmitter.

d. Remove battery from receiver-transmitter (Figure 2-2).

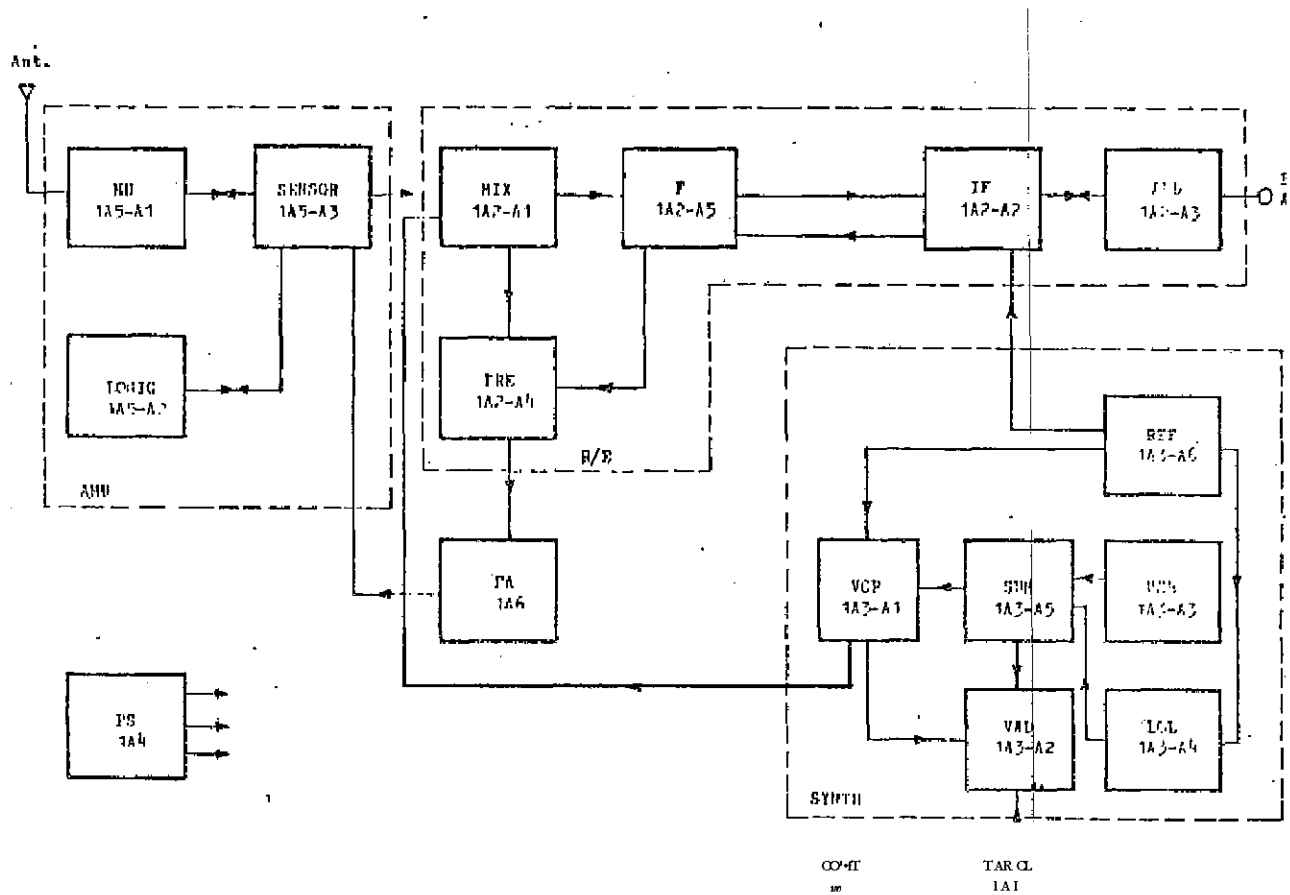
6-2. Repacking of Equipment

Place each unit in its respective carton, and crate the entire set.

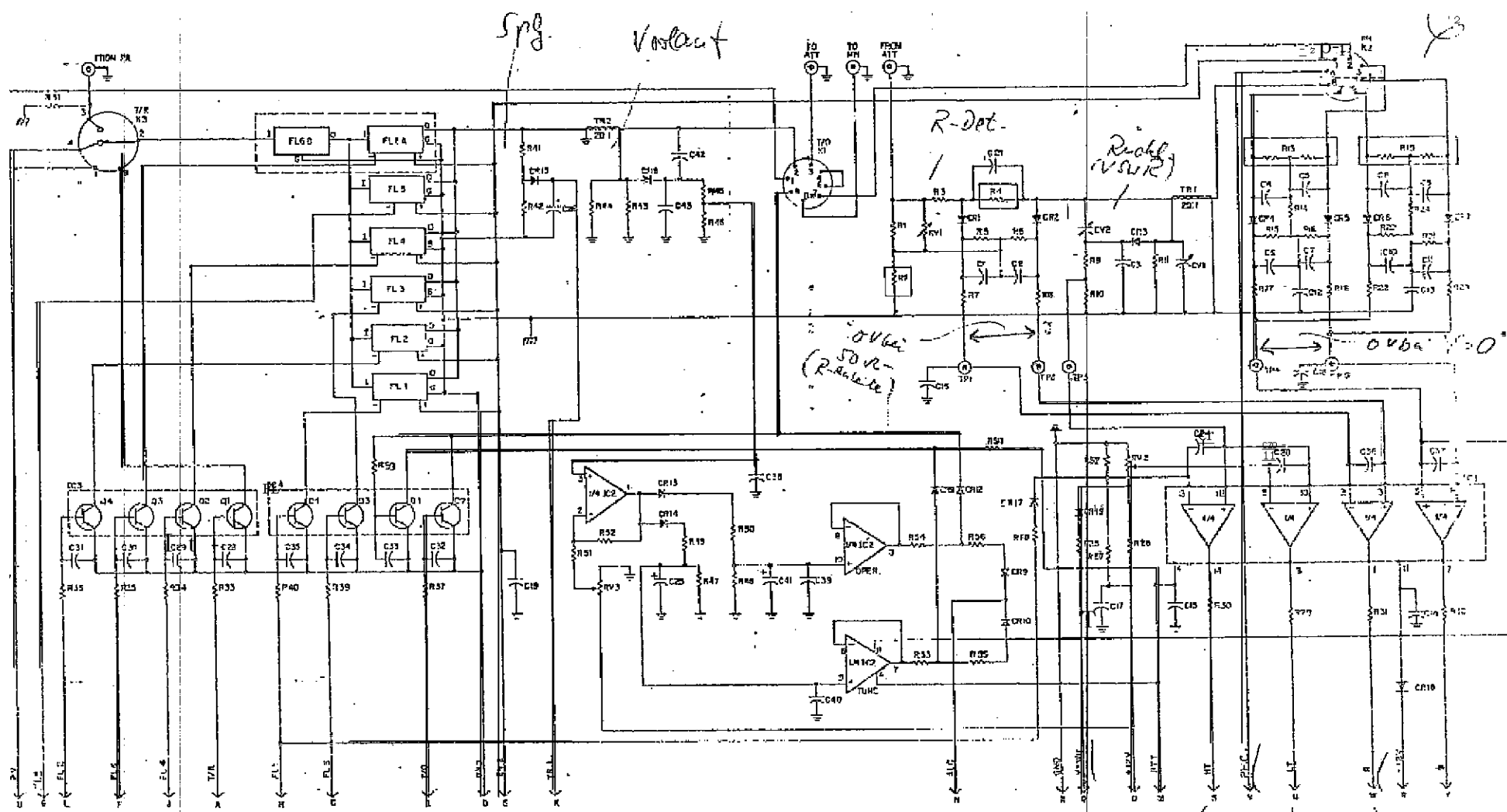
CAUTION

If a lithium battery is used, special care must be taken to avoid its becoming damp or coming into contact with water. If water enters the lithium battery, the battery may explode, causing serious injury.

e

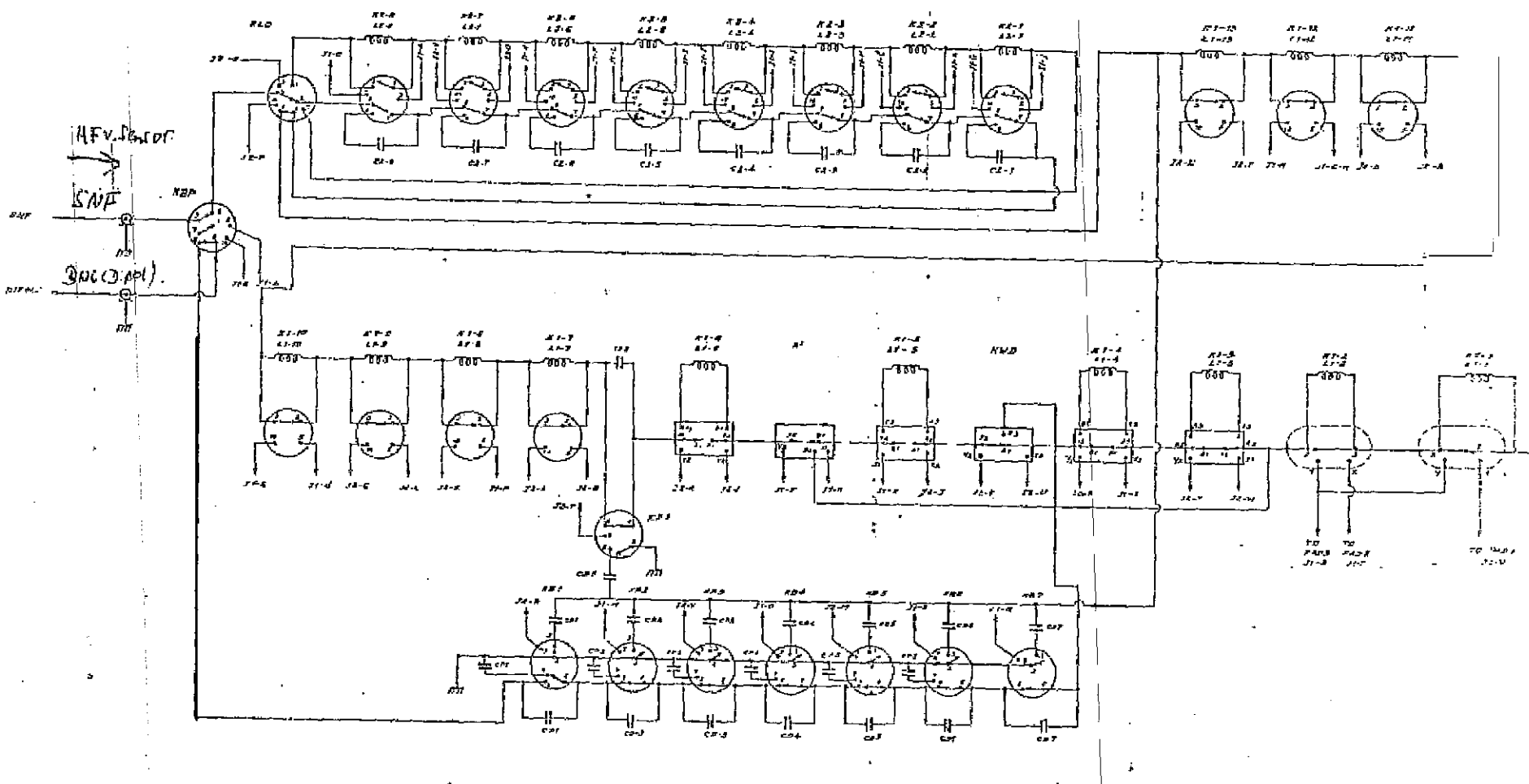


QTY	CATALOG NO.	NAME	DESCRIPTION	UNIT	REQD	ISSUED	DATE
1	1A5-A1	NU	NU 1A5-A1				
1	1A5-A2	TONEG	TONEG 1A5-A2				
1	1A5-A3	SENSOR	SENSOR 1A5-A3				
1	1A2-A1	MIX	MIX 1A2-A1				
1	1A2-A5	F	F 1A2-A5				
1	1A2-A2	IF	IF 1A2-A2				
1	1A2-A3	FID	FID 1A2-A3				
1	1A2-A4	FRE	FRE 1A2-A4				
1	1A3-A1	VCP	VCP 1A3-A1				
1	1A3-A5	SYN	SYN 1A3-A5				
1	1A3-A6	REF	REF 1A3-A6				
1	1A3-A3	VCS	VCS 1A3-A3				
1	1A3-A2	VAL	VAL 1A3-A2				
1	1A3-A4	VCL	VCL 1A3-A4				
1	1A6	PA	PA 1A6				
1	1A4	PS	PS 1A4				
IRC-174 BLOCK DIAGRAM							
MODEL PARTITION							
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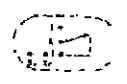
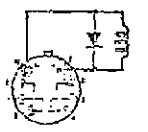
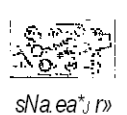
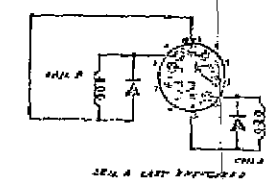


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PRG-174			
SIF			
3053			

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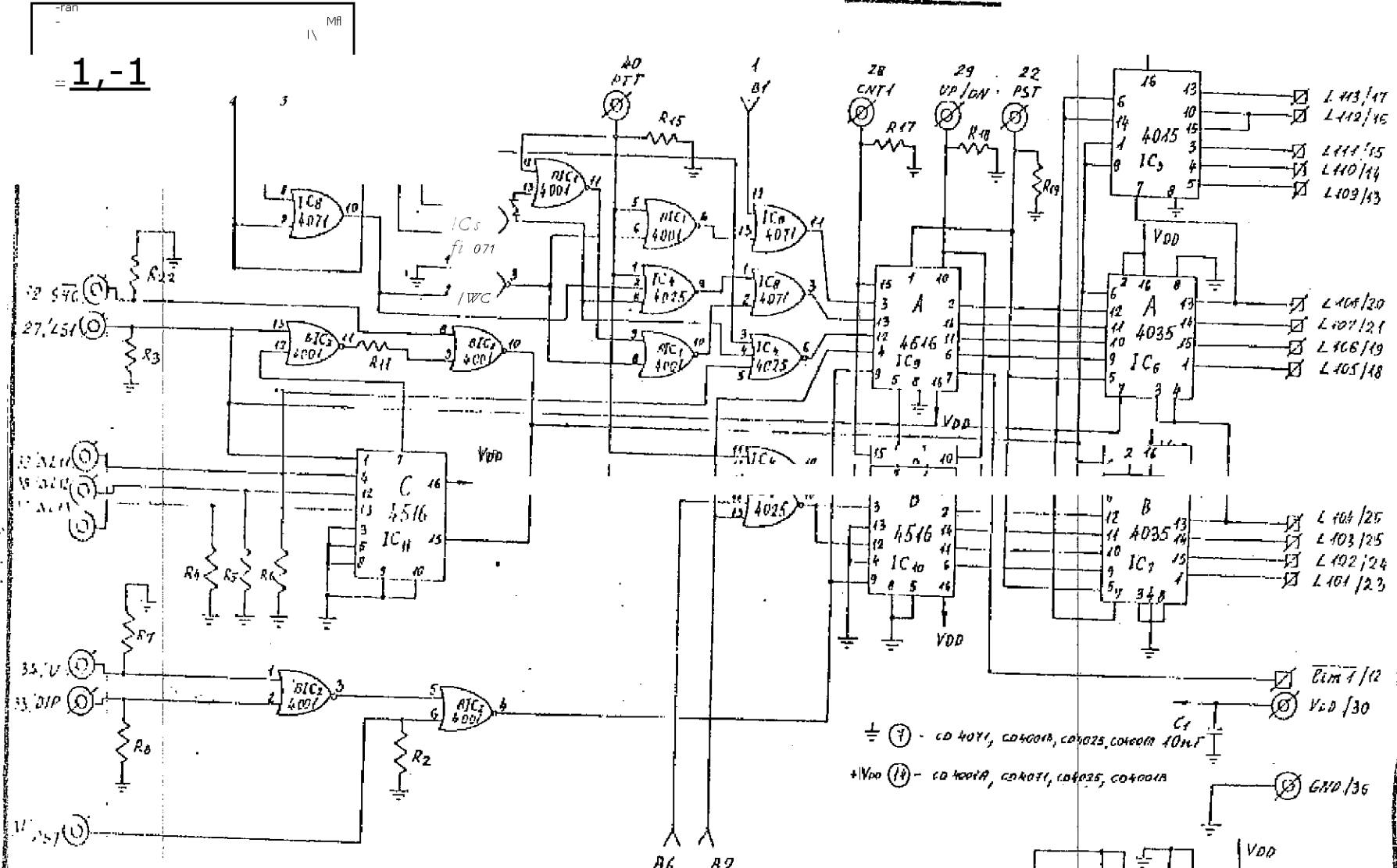


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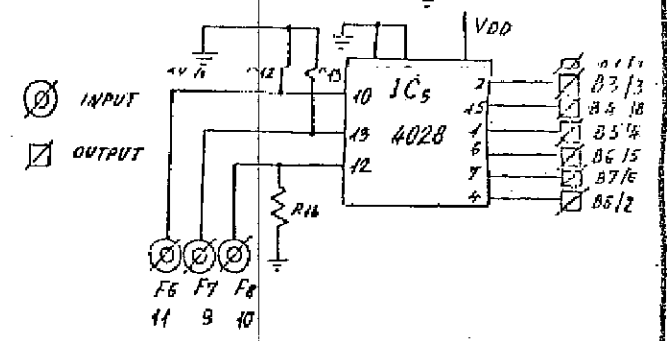
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- L 411/45
- L 410/44
- L 409/43
- L 408/20
- L 407/21
- L 406/19
- L 405/18
- L 404/25
- L 403/25
- L 402/24
- L 401/23

- Bim 7/12
 - Vd /30
 - GND /36
- ⊖ - CD 4071, CD4001A, CD4025, CD4001A 10nF
- +VDD ⊕ - CD 4001A, CD4071, CD4025, CD4001A



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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CONTROLLER

MEAS	UNIT	DATE
Unless Otherwise Specified		

YIAPIRAM

[A/CURT 01-4]

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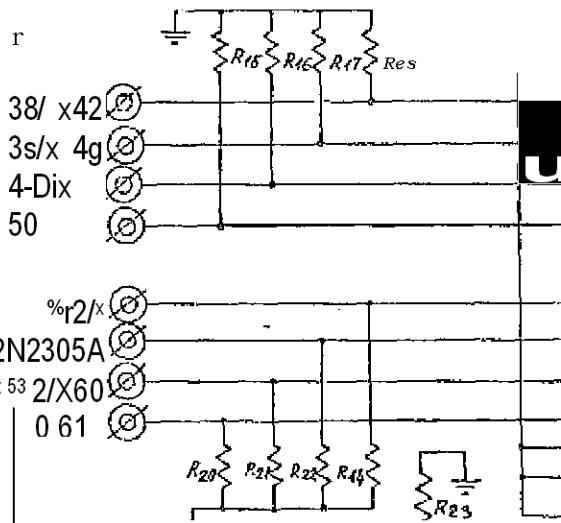
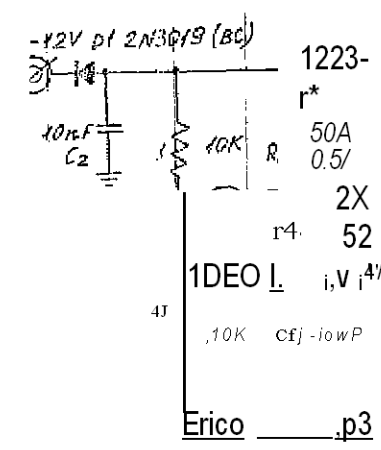
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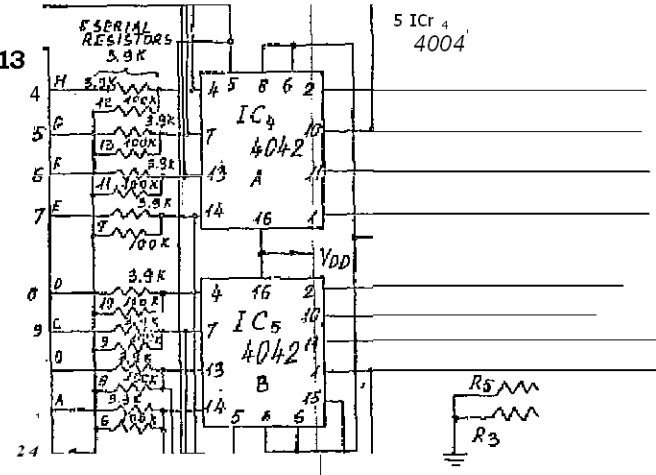
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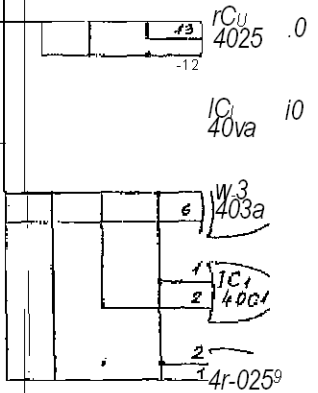
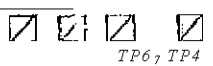
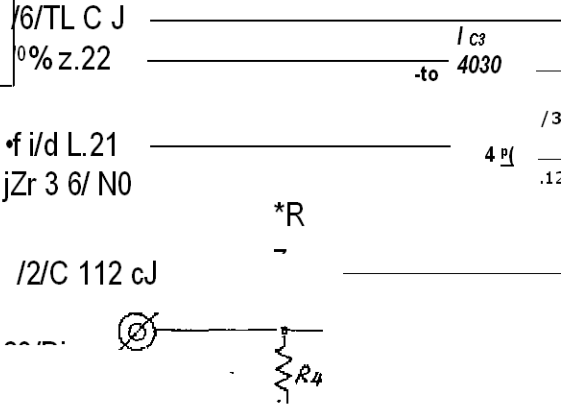
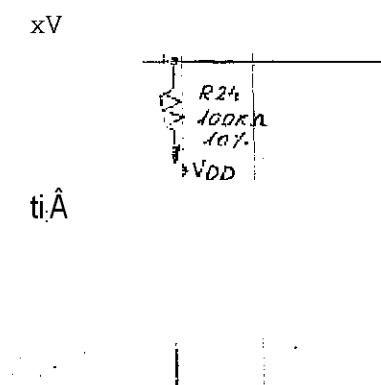


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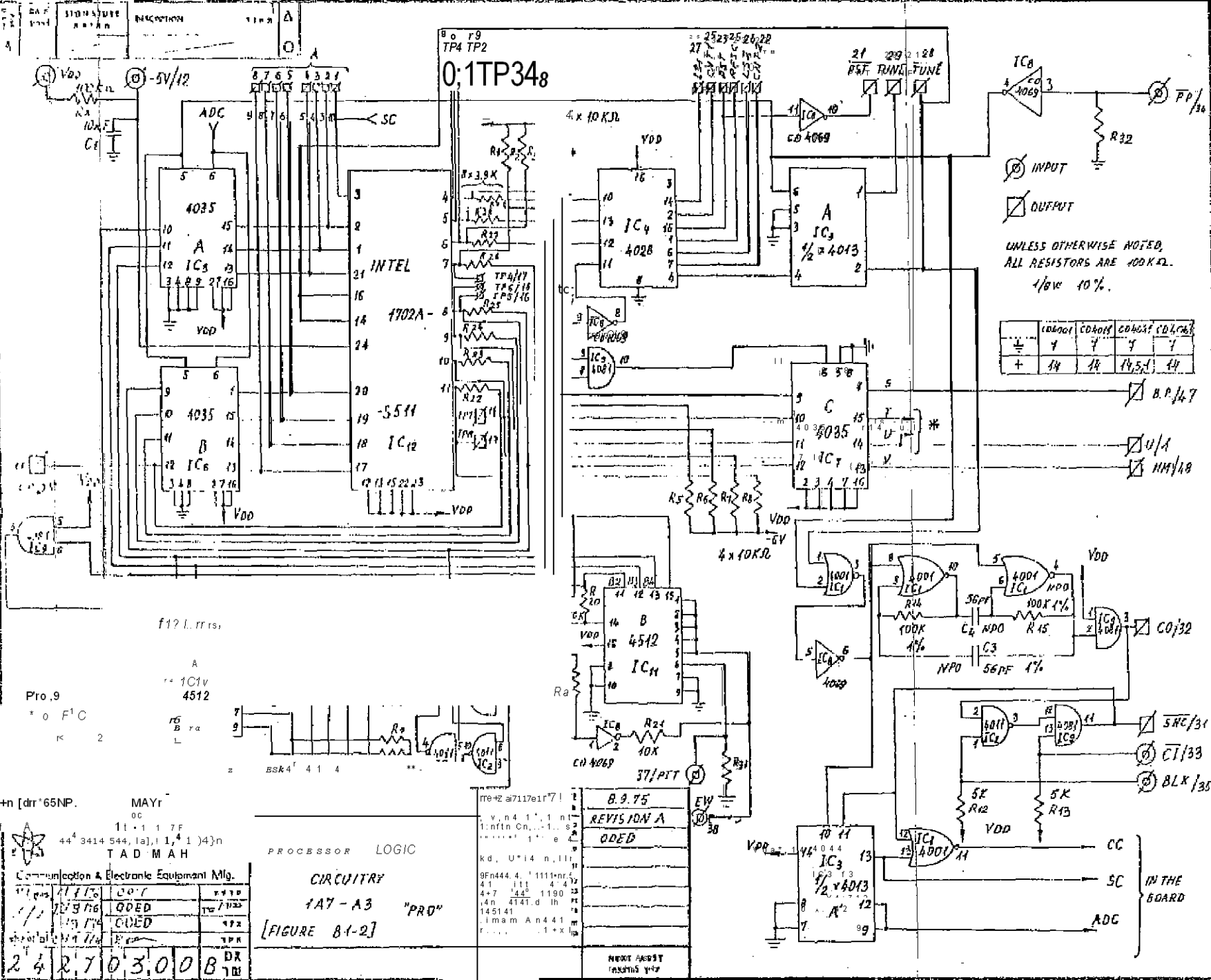
21 Fa/2C 121¹⁴ J.F2
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= F'6
FT/4'5 FG/43 B, A/28
135/20

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/GO..2

FIN 7 'OFIZ;•CD X0.30,
CD4025, CDZ•p

 PLC 1%/oFI6:CDS'o30,
CD4/025, CD4 !



Pro. 9
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 K 2

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 4512

44 3414 544, 1a, 1, 1, 4 n
 TAD MAH

Communication & Electronic Equipment Mfg.

Part No.	Description	Qty	Unit
24	R. 70	3,000	BX
70	3,000	BX	7B

PROCESSOR LOGIC

CIRCUITRY

1A7 - A3 "PRO"

[FIGURE 81-2]

REV. 9.75

REVISION A

QDED

DATE: 11/11/71

BY: [Signature]

APPROVED: [Signature]

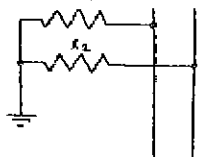
DATE: 11/11/71

BY: [Signature]

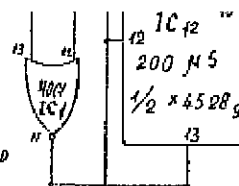
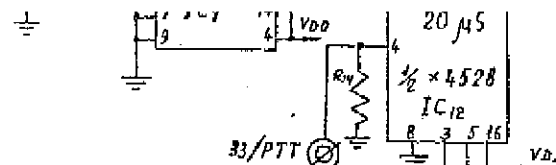
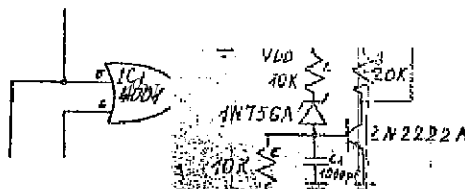
APPROVED: [Signature]

GN^{Fr} C6, A'W₁, e2l L22442f/L 4

00 1



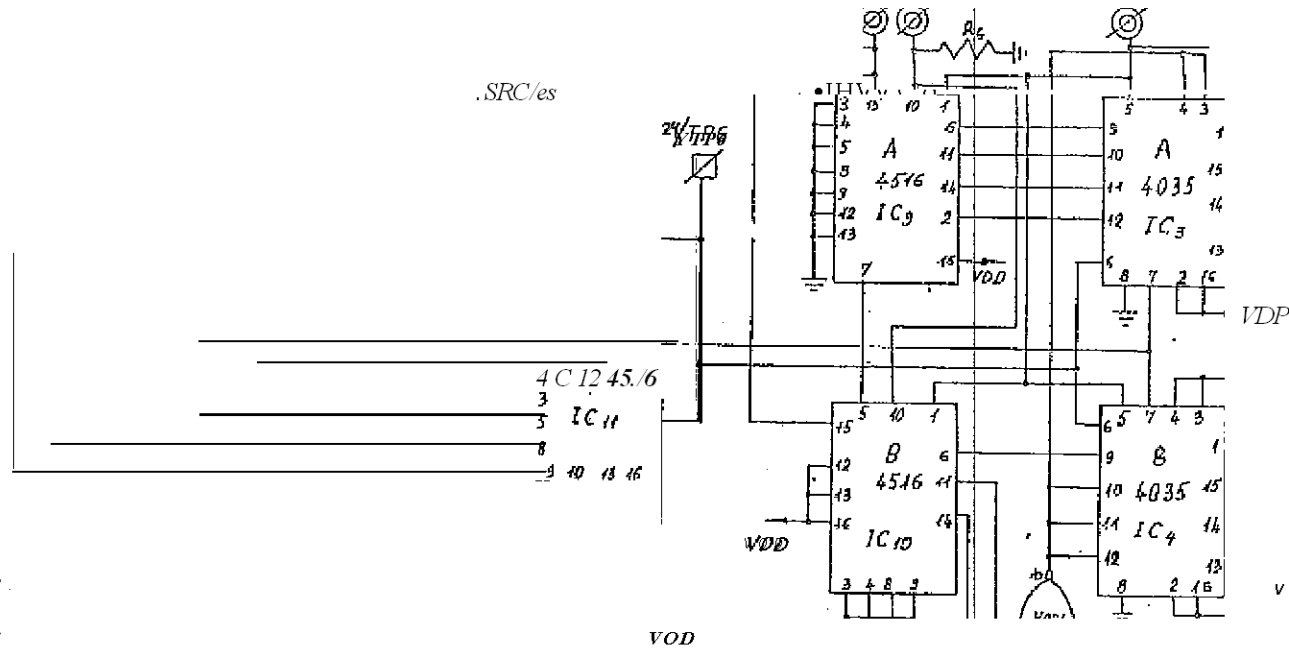
WLESS oT/*--Rwtse A67-no, IL
RESISTORS' ARE 100A⁶



מאפיין (NO.)	שם (NAME)	תיאור (DESCRIPTION)	מדידה (MEAS)	יחידה (UNIT)	הערות (NOTES)
		LOGIC L2 DELAY TIMING A7 - A4 "TIM" (FIGURE B1-5)			בגודל זה אין מפרט Unless Otherwise Specified.
					Tolerances
					Mark Angles
					Dimens. Are IN MIL.
					Remove All Bands.

.mg'a

.SRC/es



L2/11:
L22/13
* L23/n
- 2V L24/45

OUTPUT

INPUT

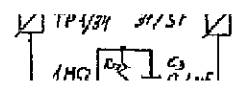
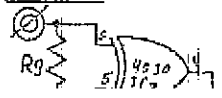
PIN 7 OF IC

PIN /4 OF

Ooof, 4030, 4077.

22al, 4030, 4077.

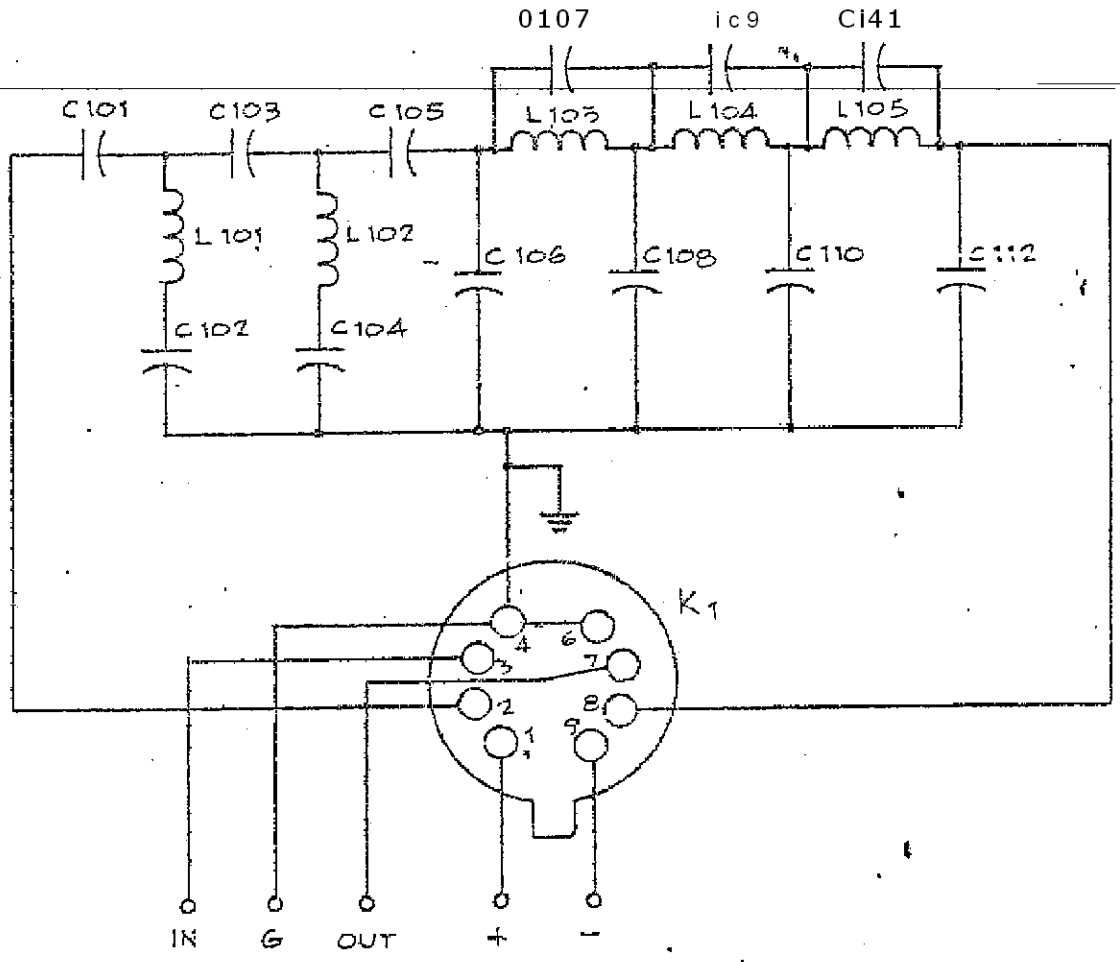
Z.2 CONTROLLER



TIMER

VDD

1.26µs
L27/19
L28/19
VDD/27,40
GN0/53
TL C/28
Lim2/9



rtv-wr • pttans tin\$PI 7t f'or9gt

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P F

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Lsf 7μ z,-,*1'0). -.'* 1-xfZ.R'3

RC p f'7

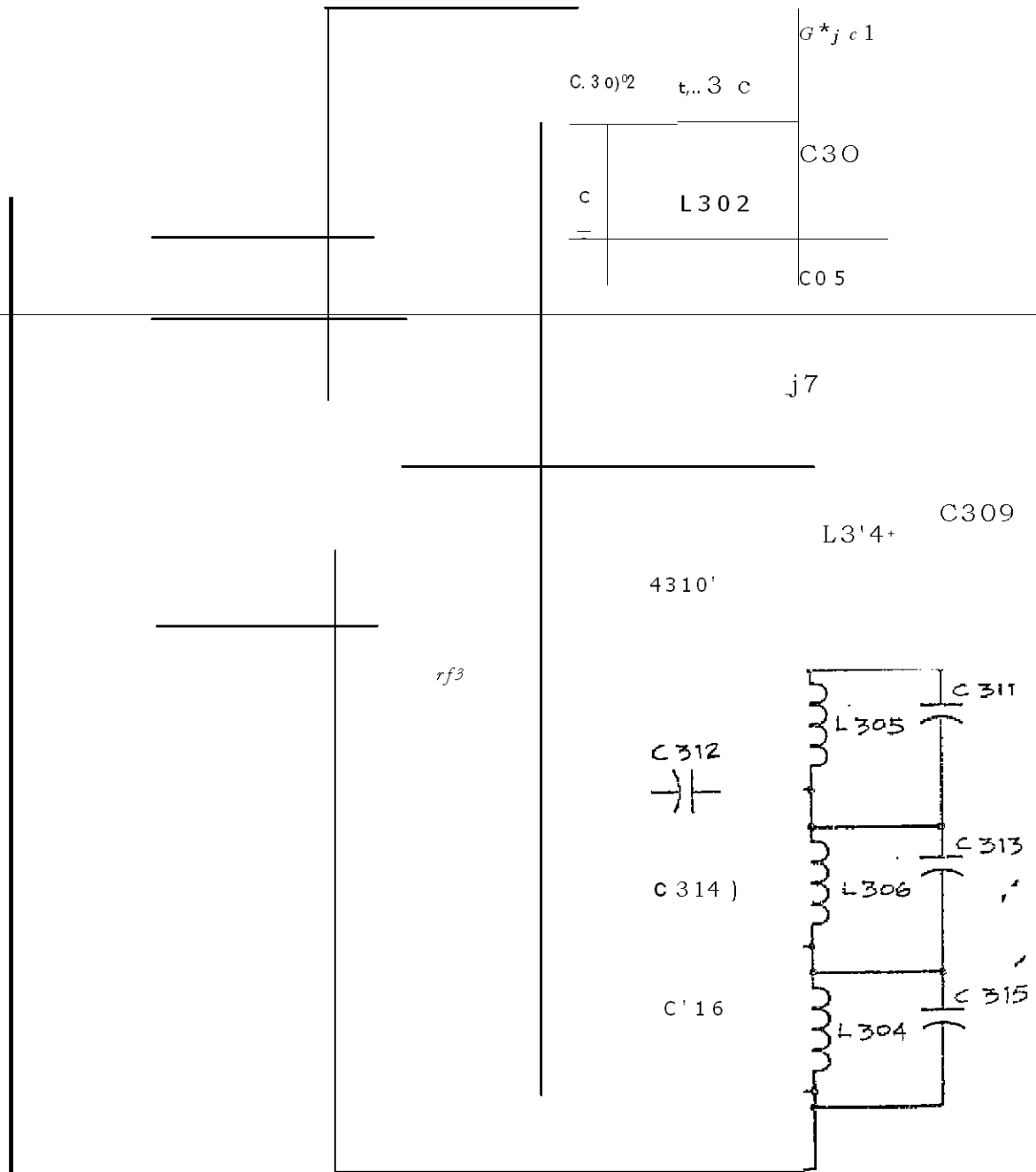
REV	BY	DATE	APP
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sass n.r<.l rn;+vn-^':7r s;ja st;+.aanvf^*.4umnu_ncry*xaaiartts':a**wisYaea:*75 sas:veran.[]

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k:ae v.*. **c;,+a:.'ra t+eryç_{akafr X}.+w= z : m . . a w r l t a - ki.r...:- c txL;a:

* * x r tto



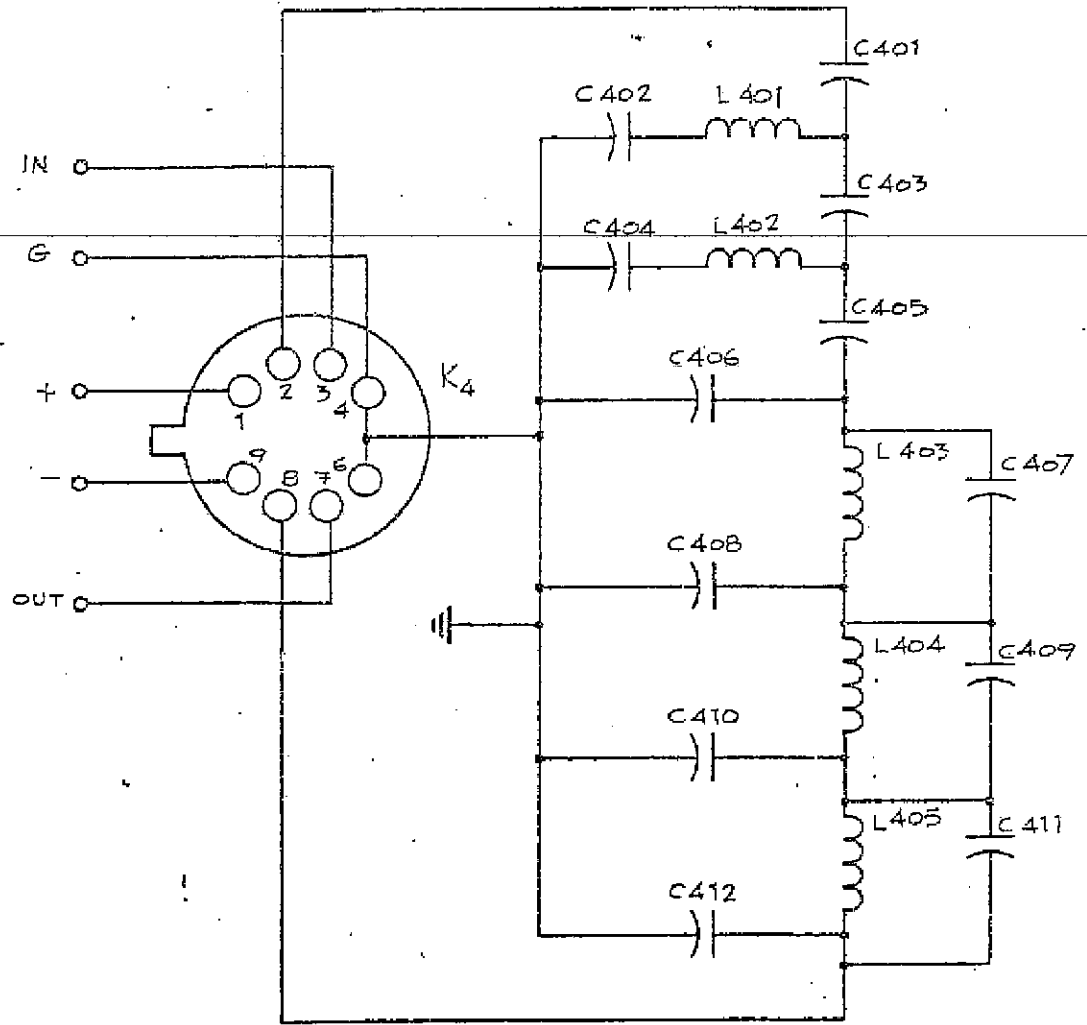

INTERTS
 EDI:19FEBRU 1978 Y18 Y28
TARICAM
 Central Command & Equipment Maintenance

L - 3'
 S/yr
 PFC 474

REV	DATE	BY	APP
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4			
5			

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FL-4

IV

PAC-47

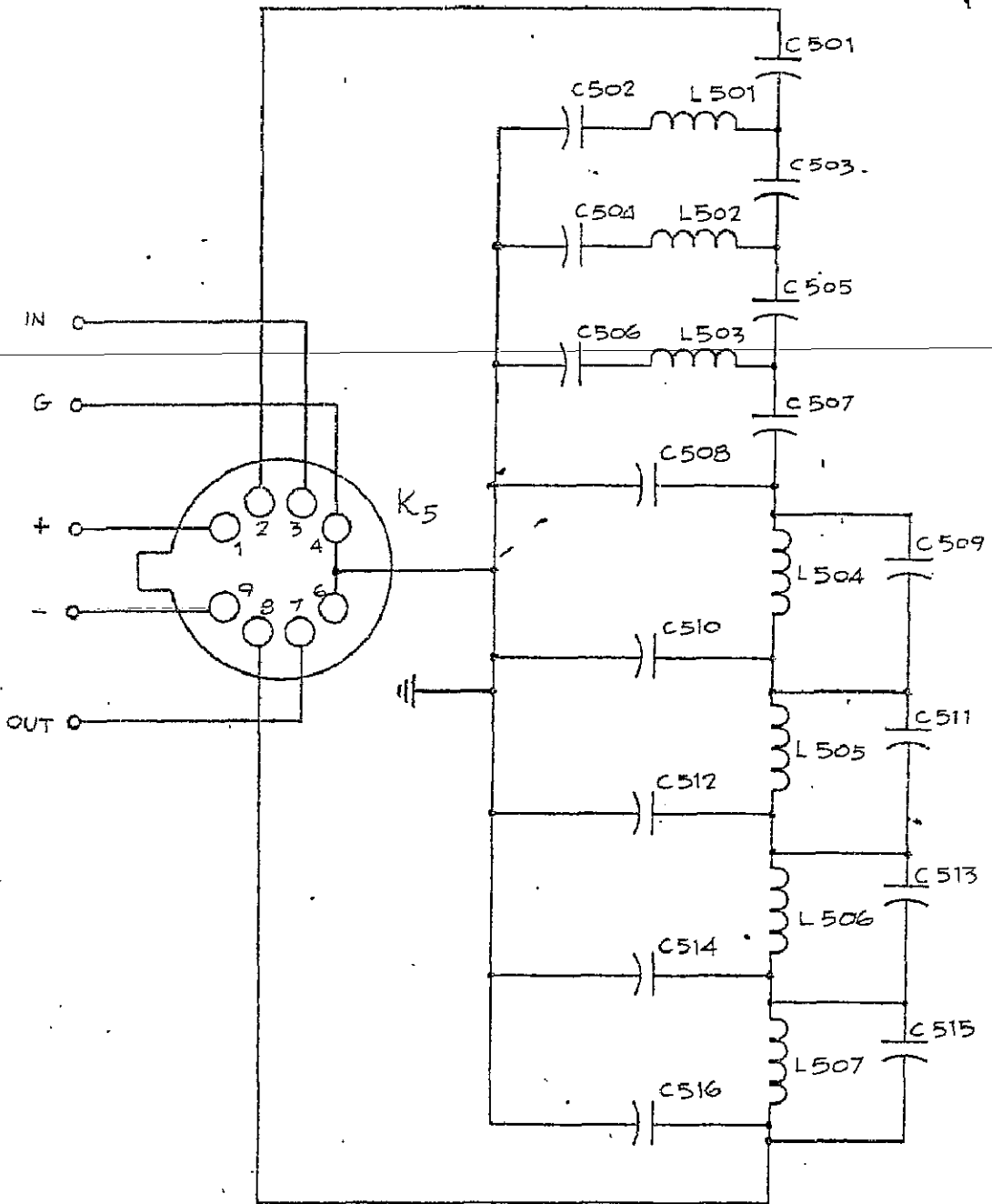



7 û 5IA

TAD IRAN ,s?;r' / 7 v z

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ly ___ n



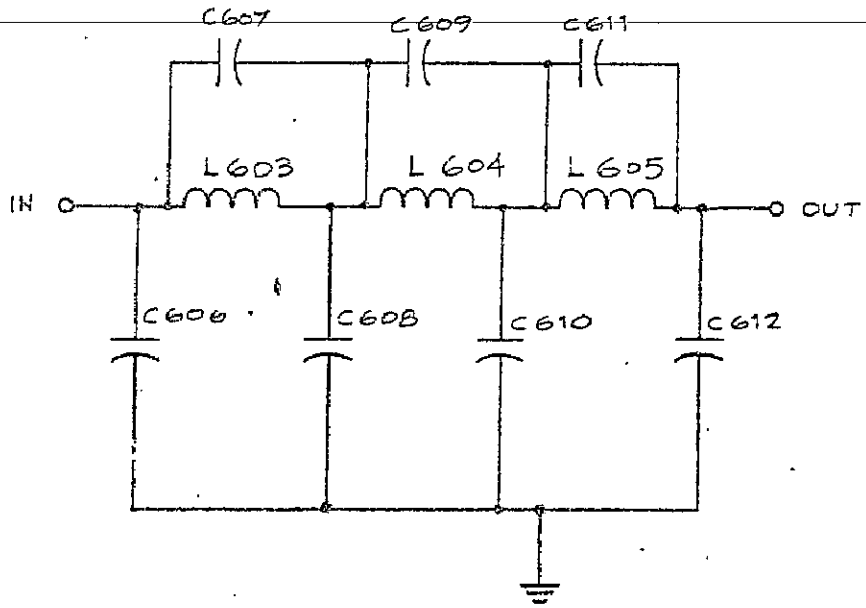



 1 R 7 7 7 7
 TADIRAN
 Communication & Electronic Equipment Mfg.

No.	1	Date	1953
Author		Rev.	104
24915805A			

FL-5
 SNF
 PRC-174

DATE	REV	TYPE	REL
			A
DATE	REV	TYPE	REL
			C




INTPTM
 REPUBLIC OF TURKEY
TADIRAN
 Communication & Electronic Equipment Mfg.

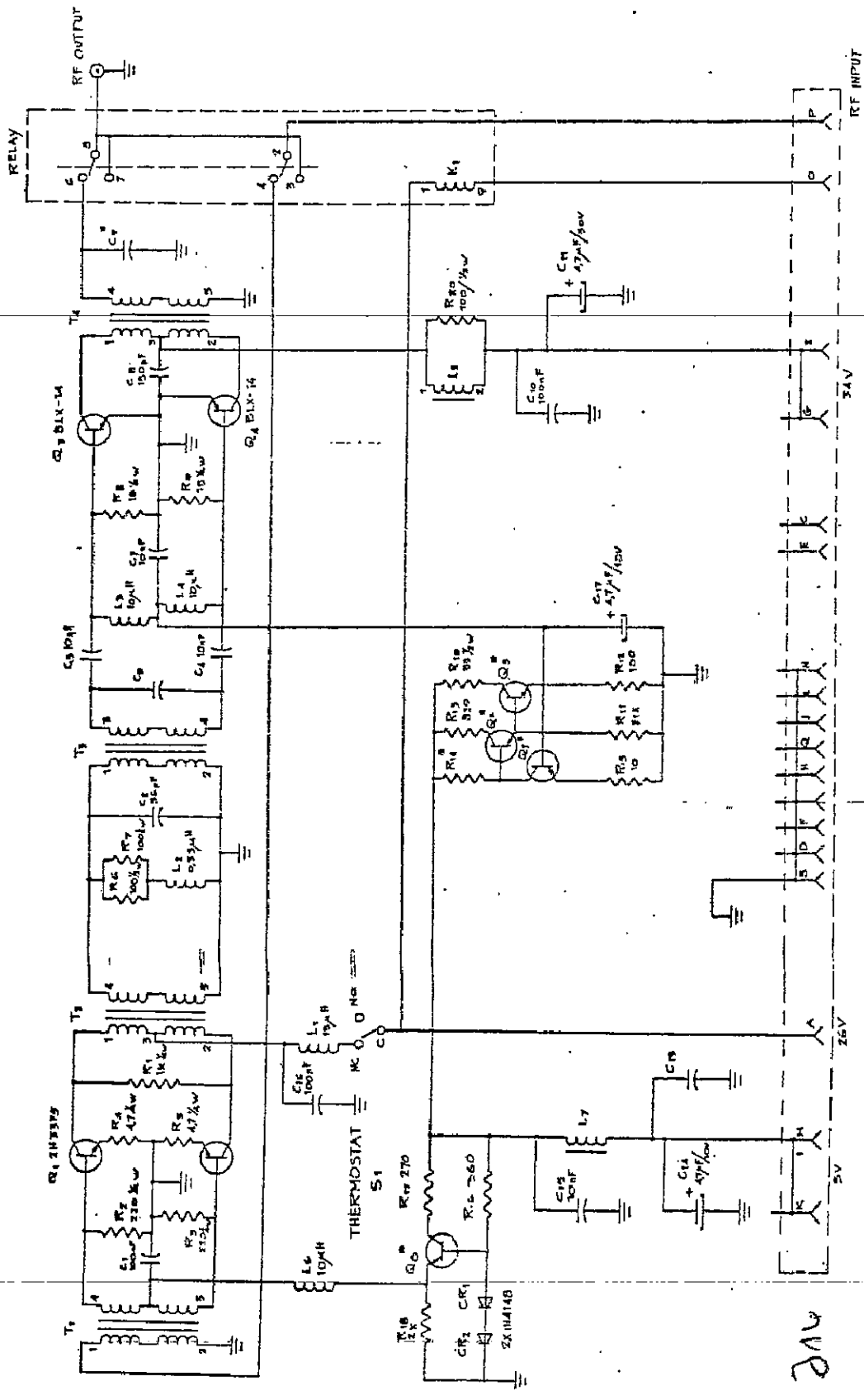
2	1	1	1
2	2	1	1
shasrol	23 TL	1217	100

24 | 9 1 5 9 0 5 A 10

FL-6-B
BNF
PRC-174

SIG	DATE	REV	BY
INTPTM	1977	0	A

REV	DATE	BY	CHKD	APP'D
1				



- NOTES
- 1 ALL RESISTORS IN OHMS UNLESS OTHERWISE SPECIFIED.
 - 2 Q5 - Q9 - 1C 4A-711212.
 - 3 R14 - ACCORDING TO CHAIN.
 - 4 C5 - ACCORDING TO CHAIN.

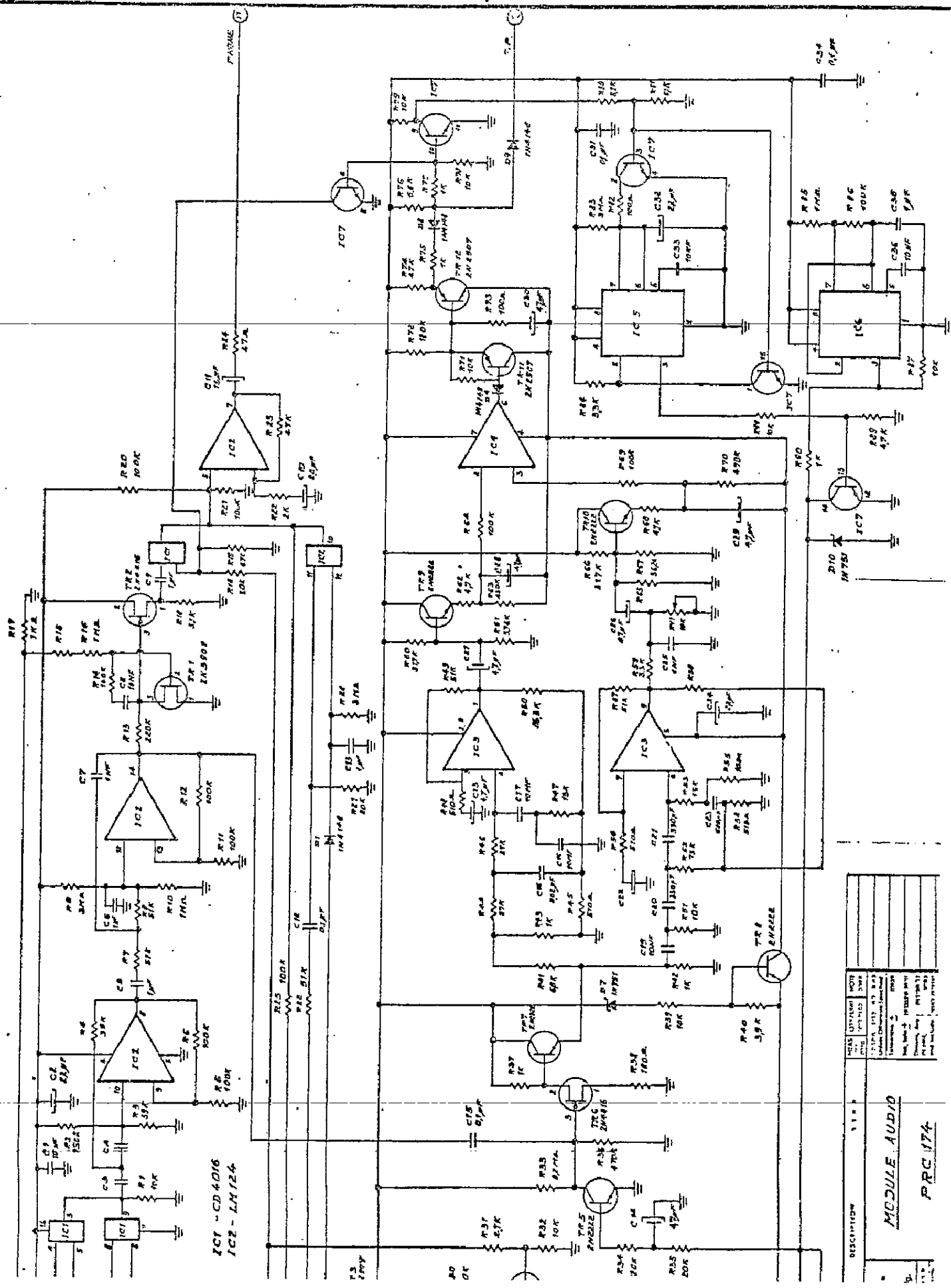
DATE	REVISION	BY	CHKD

DESCRIPTION: POWER AMPLIFIER
 1 A6
 PRC - 174

WARRANTY: 1 YEAR
 MANUFACTURED BY: TADIRAN
 COMMUNICATIONS ELECTRONIC EQUIPMENT MFG.
 11/11/77

2AV

1	2	3	4	5	6	7	8	9	10



IC1 - CD 4016
 IC2 - LM 124

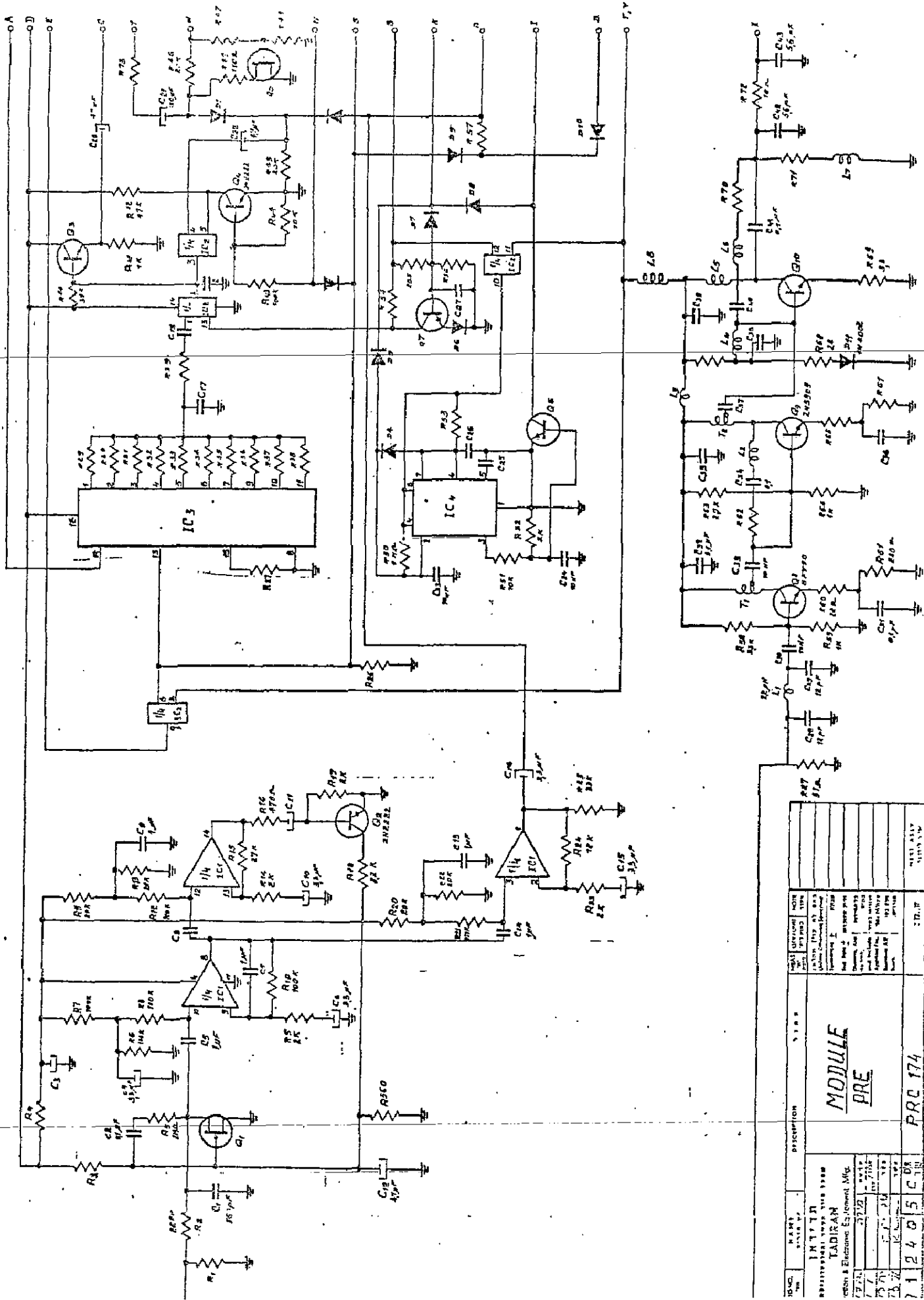
REVISION	DATE	BY

DESCRIPTION

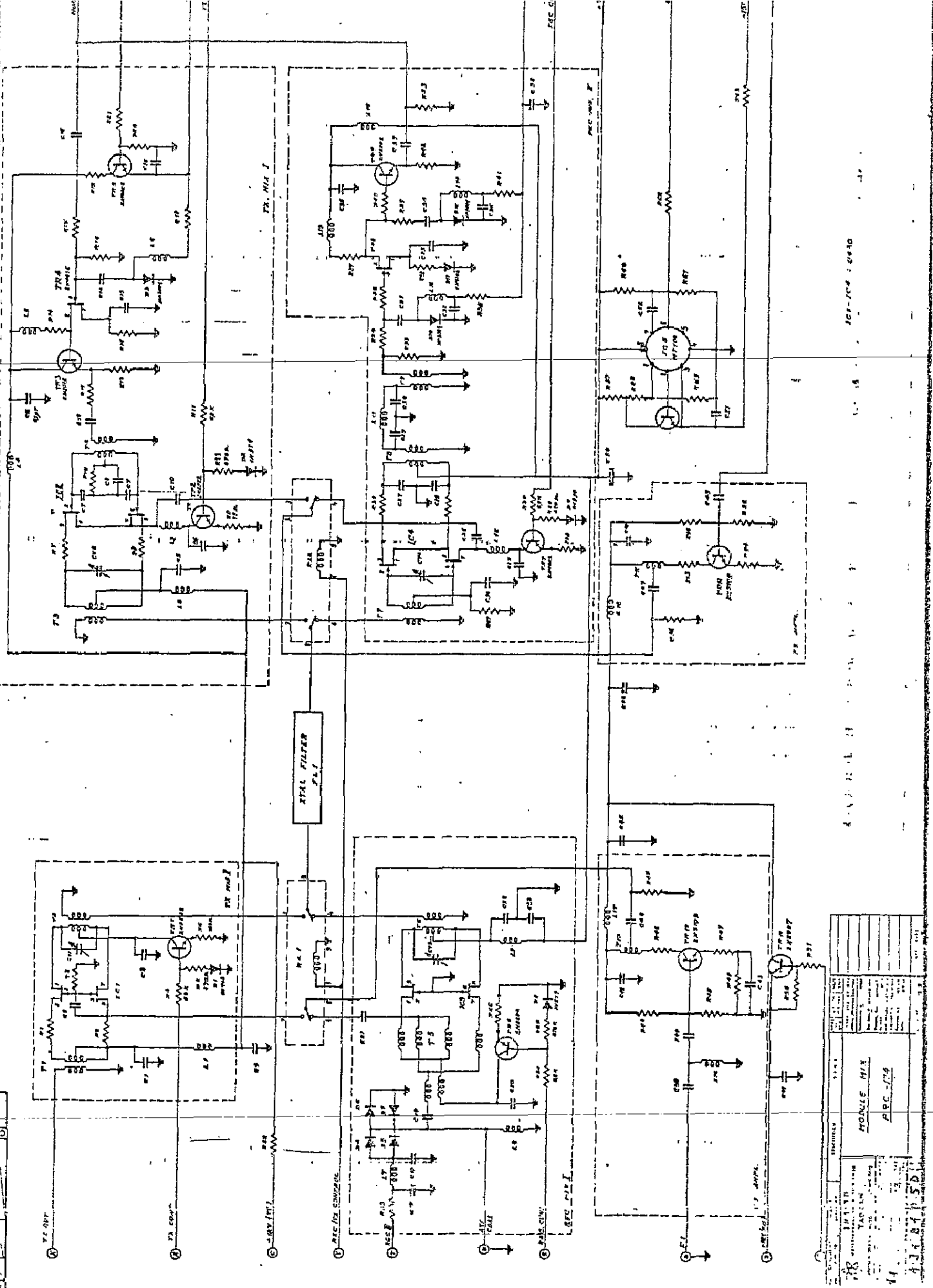
MODULE AUDIO

P.R.C. 174

REVISION	DATE	BY
1		



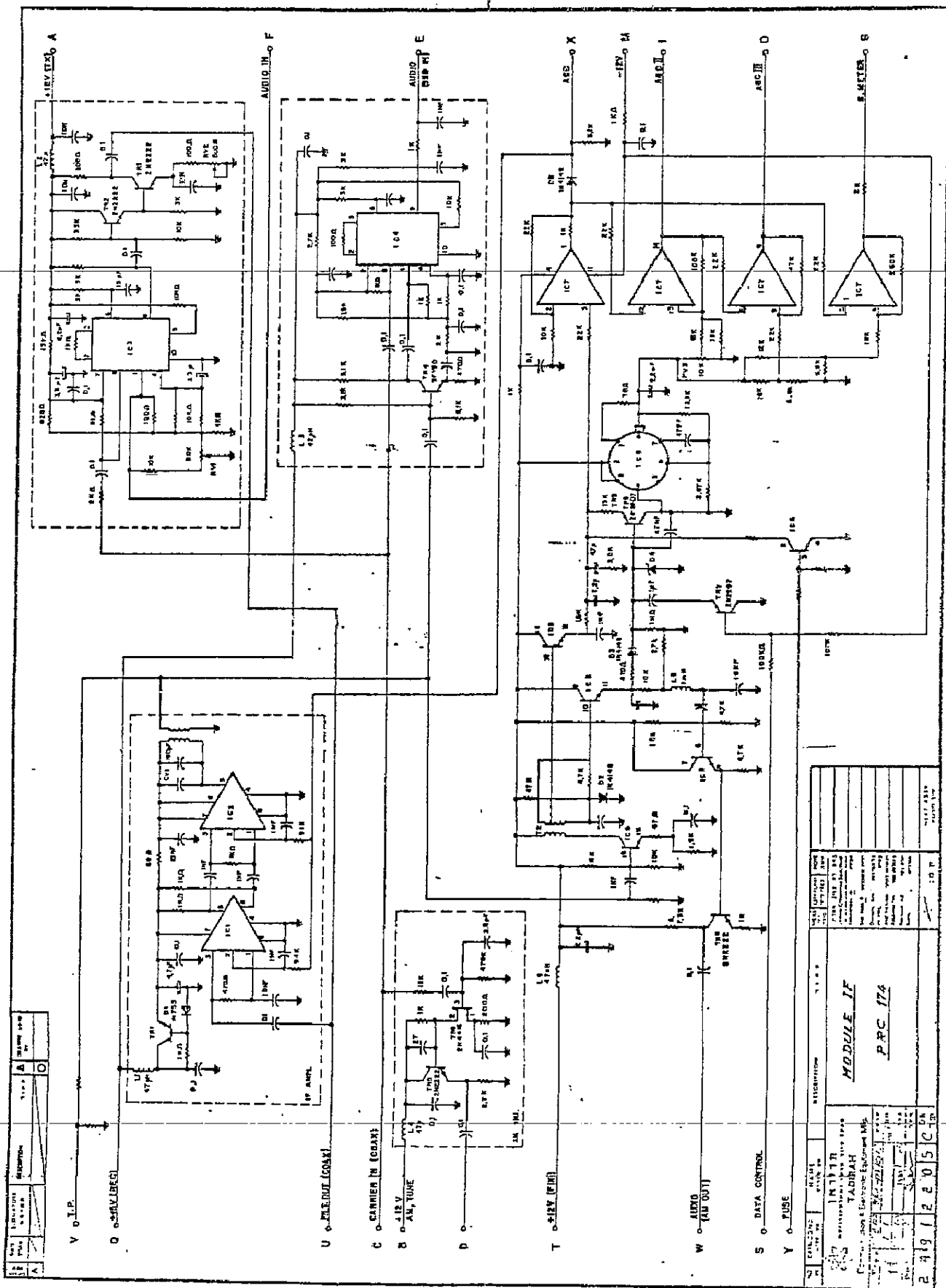
DATE	REV	DESCRIPTION	BY	CHK
1973	1	MODULE PRE		
MODULE PRE				
PRC 174				
DESIGNER	DATE	BY	CHK	APP
TADIKAM	1973			
1. TITLE: MODULE PRE 2. PART NO: PRC 174 3. REV: 1 4. DATE: 1973 5. BY: TADIKAM 6. CHK: [blank] 7. APP: [blank]				
1	2	3	4	5
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11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
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51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
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76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100



100-100-0010

<p>100-100-0010</p> <p>MODULE MIX</p> <p>ABC-119</p>	
<p>DATE: 10/1/54</p> <p>BY: [Signature]</p>	<p>REV. 1</p> <p>100-100-0010</p>

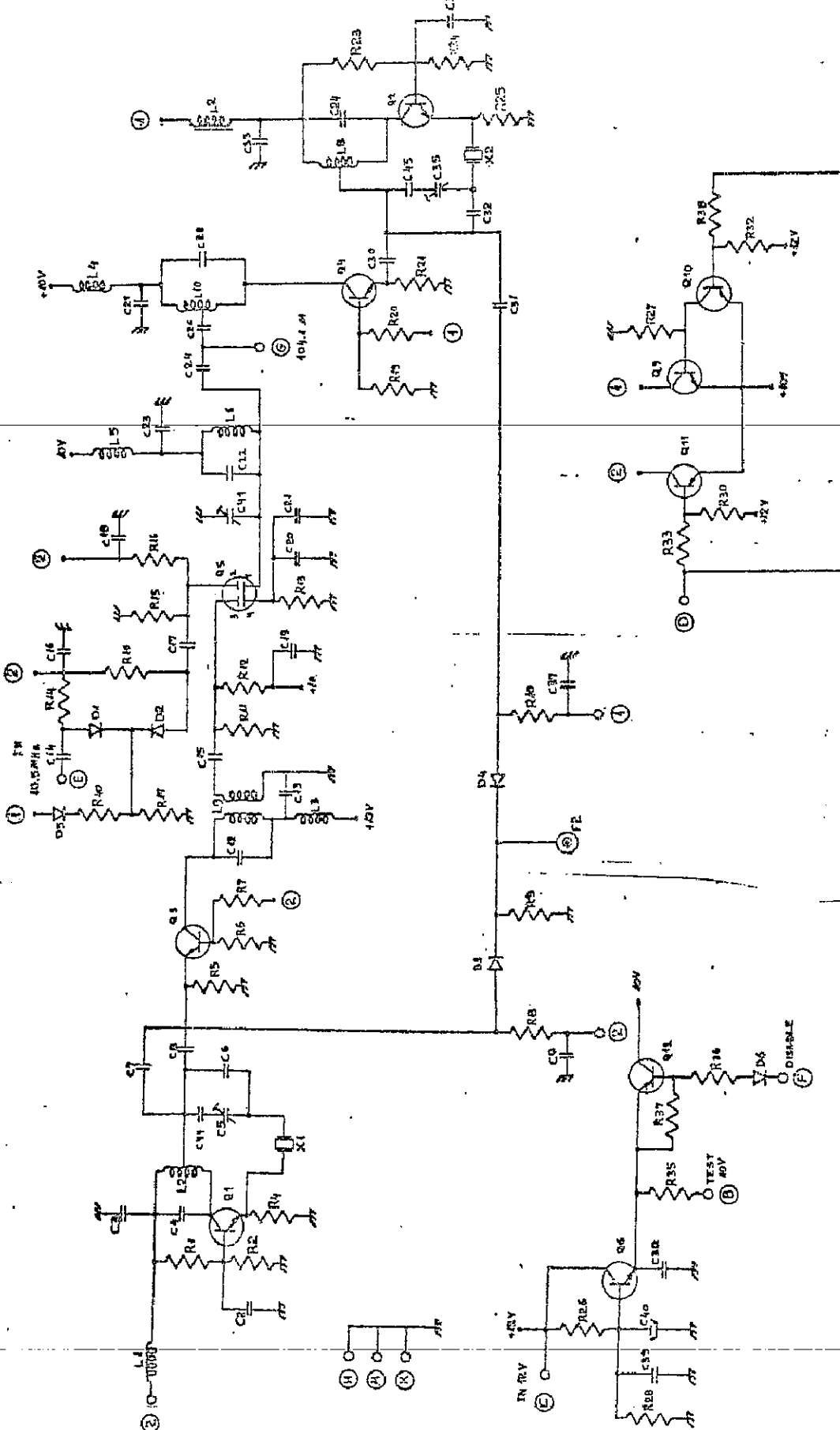
REV	DESCRIPTION	DATE
1	INITIAL DESIGN	10/1/74
2	REVISION	10/1/74



REV	DESCRIPTION	DATE
1	INITIAL DESIGN	10/1/74
2	REVISION	10/1/74

MODULE IF
PRC 174

2 49 1 2 2 0 5 1 0



CONNECT ALL ① TOGETHER (SPONT)
 CONNECT ALL ② TOGETHER (SPONT)
 CONNECT ALL +12V TOGETHER (3 POINT)
 CONNECT ALL +30V TOGETHER (5 POINT)

COMP LAST REF: R40, C17, L4, X2, DA, S7L
 COMP NOT REF: R22, R3, R33, R31, R7, R6, C1, C23, C40, C43, C42

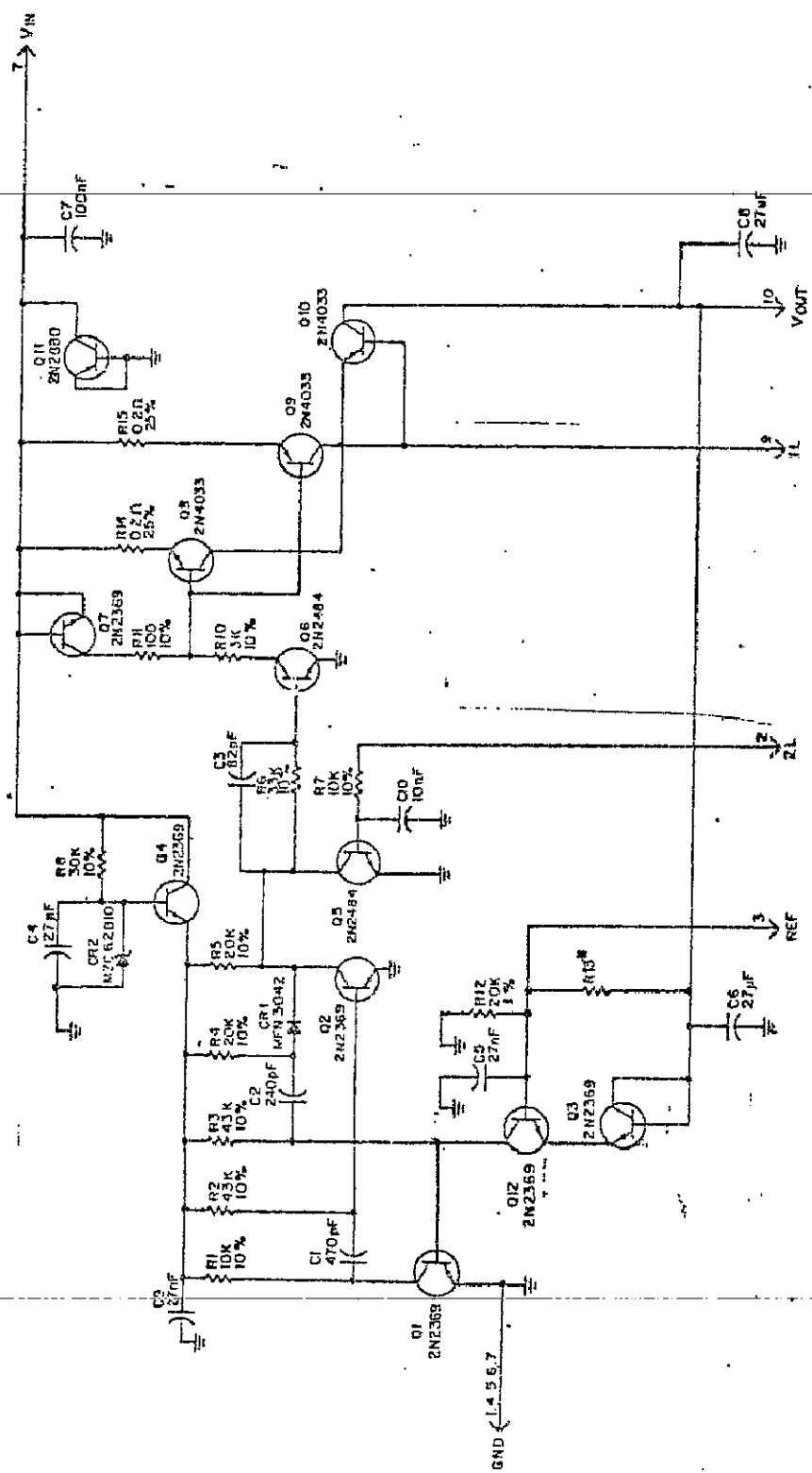
TEST UNIT
 R - 1R 40V H - BND
 C - 1R 2V I - STD
 D - USB K - BND
 E - 40SA
 F - DISPLAY
 G - 40A, PM

NO	DESCRIPTION	DATE	BY	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION
1	INITIAL								
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100	REVISION								

USB/LSB

103-A3

47



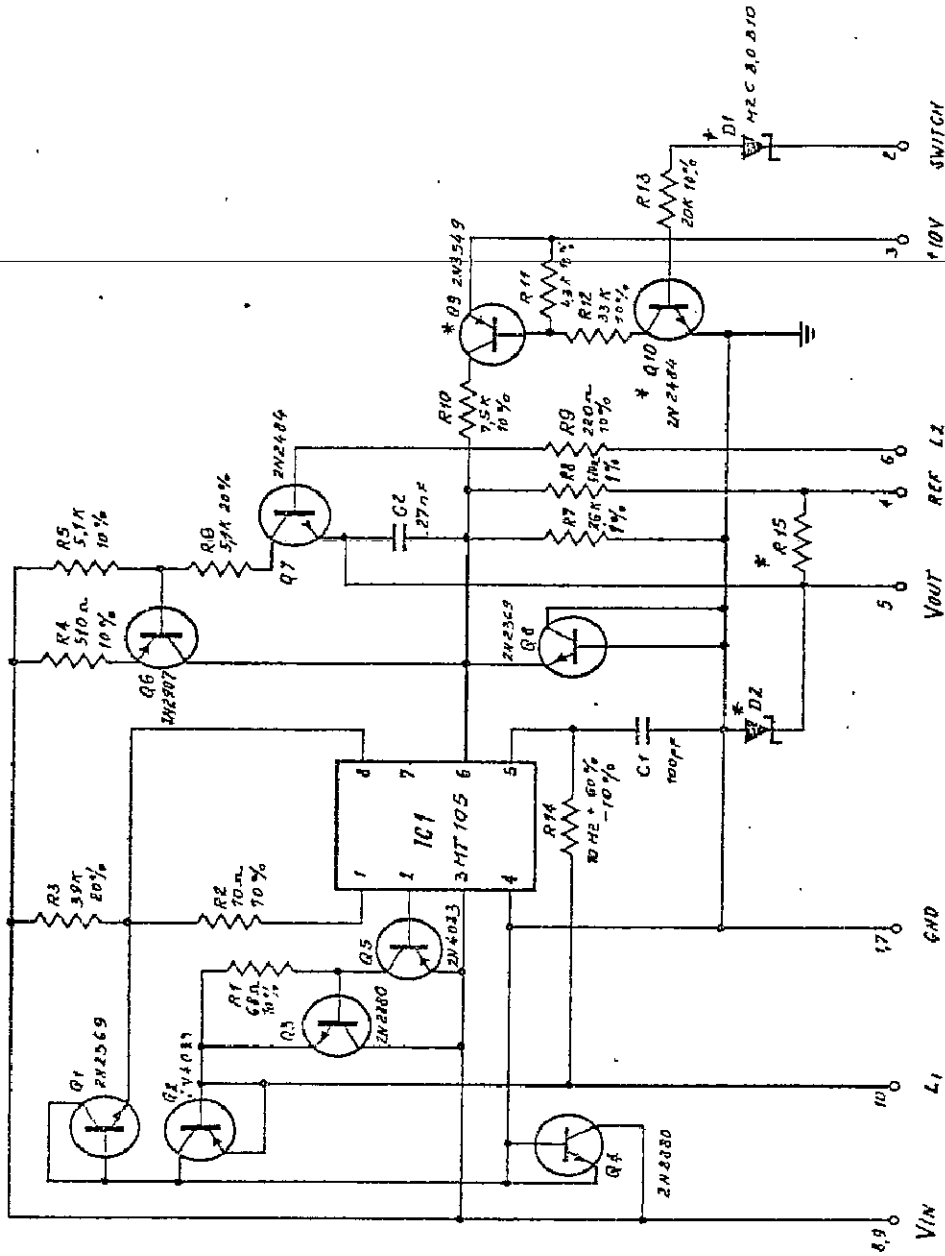
7	0
8	0
9	0
10	0
1	0
2	0
3	0
4	0
5	0
6	0

NOTE:
* R15 IS FACTORIAL SELECTED BETWEEN 230Ω - 330Ω Ω.

REVISION	DATE	BY	DESCRIPTION
1	10/11/74	JAD/RAH	NEGATIVE POWER SUPPLY
2	11/15/74	JAD/RAH	FOR THE 2N2369 AND 2N2369
3	11/15/74	JAD/RAH	FOR THE 2N2369 AND 2N2369
4	12/07/75	CD	FOR THE 2N2369 AND 2N2369

IN 1774
 TAD/RAH
 General Electric Equipment Mfg.
 PRC 174
 24 27 0 7 0 5 C 10

1	Q
2	Q
3	Q
4	Q
5	Q
6	Q
7	Q
8	Q
9	Q
10	Q



Q7	60
Q8	0
Q9	20788
Q10	MODIFIED
Q1	0

TOP VIEW

ADD NOT ASSEMBLY
Q9, Q10, Q1, Q2 & R15.

DATE	11/11/70	DESCRIPTION	11111
DESIGNED BY	TADIRAN	DESCRIPTION	POSITIVE-POWER SUPPLY
CHECKED BY		DATE	
APPROVED BY		DATE	
WORKING DRAWING NO.	14111	REV.	5
REV.	1	DATE	11/11/70
REV.	2	DATE	11/11/70
REV.	3	DATE	11/11/70
REV.	4	DATE	11/11/70
REV.	5	DATE	11/11/70
REV.	6	DATE	11/11/70
REV.	7	DATE	11/11/70
REV.	8	DATE	11/11/70
REV.	9	DATE	11/11/70
REV.	10	DATE	11/11/70
REV.	11	DATE	11/11/70
REV.	12	DATE	11/11/70
REV.	13	DATE	11/11/70
REV.	14	DATE	11/11/70
REV.	15	DATE	11/11/70
REV.	16	DATE	11/11/70
REV.	17	DATE	11/11/70
REV.	18	DATE	11/11/70
REV.	19	DATE	11/11/70
REV.	20	DATE	11/11/70
REV.	21	DATE	11/11/70
REV.	22	DATE	11/11/70
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REV.	25	DATE	11/11/70
REV.	26	DATE	11/11/70
REV.	27	DATE	11/11/70
REV.	28	DATE	11/11/70
REV.	29	DATE	11/11/70
REV.	30	DATE	11/11/70
REV.	31	DATE	11/11/70
REV.	32	DATE	11/11/70
REV.	33	DATE	11/11/70
REV.	34	DATE	11/11/70
REV.	35	DATE	11/11/70
REV.	36	DATE	11/11/70
REV.	37	DATE	11/11/70
REV.	38	DATE	11/11/70
REV.	39	DATE	11/11/70
REV.	40	DATE	11/11/70
REV.	41	DATE	11/11/70
REV.	42	DATE	11/11/70
REV.	43	DATE	11/11/70
REV.	44	DATE	11/11/70
REV.	45	DATE	11/11/70
REV.	46	DATE	11/11/70
REV.	47	DATE	11/11/70
REV.	48	DATE	11/11/70
REV.	49	DATE	11/11/70
REV.	50	DATE	11/11/70
REV.	51	DATE	11/11/70
REV.	52	DATE	11/11/70
REV.	53	DATE	11/11/70
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REV.	57	DATE	11/11/70
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REV.	76	DATE	11/11/70
REV.	77	DATE	11/11/70
REV.	78	DATE	11/11/70
REV.	79	DATE	11/11/70
REV.	80	DATE	11/11/70
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REV.	86	DATE	11/11/70
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REV.	90	DATE	11/11/70
REV.	91	DATE	11/11/70
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REV.	93	DATE	11/11/70
REV.	94	DATE	11/11/70
REV.	95	DATE	11/11/70
REV.	96	DATE	11/11/70
REV.	97	DATE	11/11/70
REV.	98	DATE	11/11/70
REV.	99	DATE	11/11/70
REV.	100	DATE	11/11/70

PRC 17A

NEXT ASSEMBLY

VRC-476/M INTERFACE MODULE I/O SPECIFICATIONS

PARC 174

INPUTS

PIN NO.	NAME	Z _{in} ¹	V _{in}	REMARKS
39	AM	4KΩ	↑ 1=12V±0V ↓ 0=0V±0.4V	↑ LOGIC 1 ENABLES THE DESIRED MODE
42	SSB	4KΩ		
22	DATA	4KΩ		
21	MCM	4KΩ		
20	NCW	4KΩ		
27	BAT. (CHECK LEVEL)	6KΩ	- " -	Applying a '1' to pin BAT gives information on battery level through 5 leds.
13	IND (PWR OR S METER)	6KΩ	- " -	Applying a '1' to pin IND gives information on output power or Input S meter level.
38	OFF CONTROL	15 KΩ		Applying 12 V to this pin SHUT OFF UNIT.
VRC	EN. PTT.	12KΩ	1 = 12V 0 = 0V	LOGIC 0 Enables Ptt.

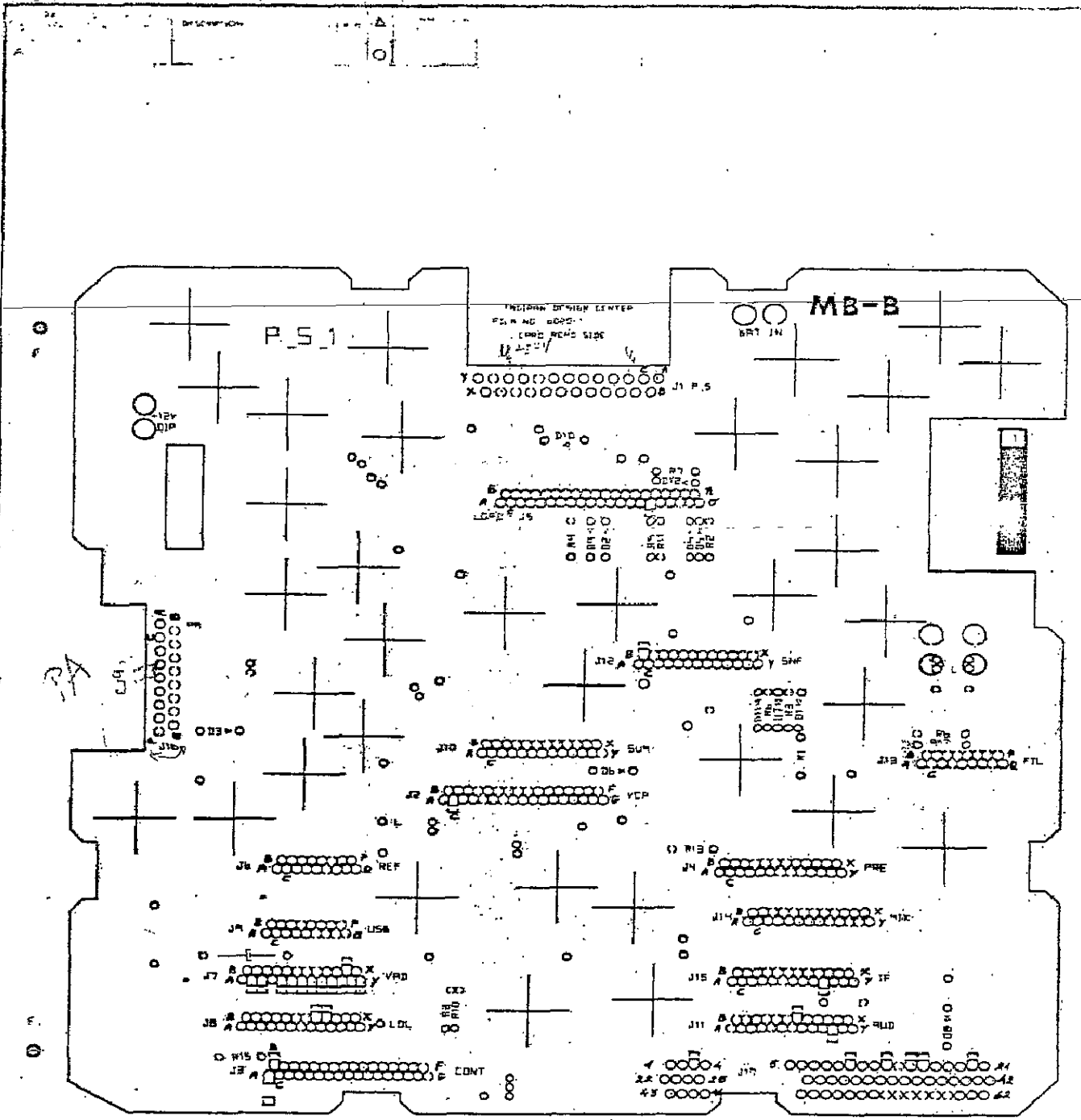
PIN NO.	NAME	Z IN	V IN	REMARKS
40	USB/LSB	10KΩ	1 = 12V ± 0.7 0 = 0V ± 0.7	Applying a '0' to USB change operation from LSB to USB.
36, 59 10, 24, 44 58, 35, 18, 7 3, 11, 25, 45 34, 17, 6, 1 5, 4, 12, 26 19	<p>Ten 0 f MHz (0, 1, 2) MHz (BCD)</p> <p>100 KHZ (BCD) 10 KHZ (BCD) 1 KHZ (BCD) 100 HZ (BCD)</p> <p>Freq. Infor- Mation</p> <p>Fr. transit</p>	<p>10KΩ 10KΩ 30KΩ 30KΩ 30KΩ 30KΩ</p> <p>51KΩ To 12V</p>	<p>↑ 1 = 12V 0 = 0V</p> <p>↓ 1=12V, 0=0V</p>	
8	Remote Control			Not Existant in receiver. Applying a '0' during 5 msec. Do not give source current to out transmit. Relay to battery (26 Volts 15mA). Ground this pin to enable remote operations.
VRC	PMSB	12KΩ	1 = 12V 0 = 0V	01 = 20W 10 = 100W 11 = 500W
VRC	PLSB	12KΩ		
VRC	NB : Noise Blanker	12KΩ	1=12V, 0=0V	Logic '1' enables NB.
VRC	BFO Control	100KΩ	12V max	Analog Input.
VRC	BFO Enable	12KΩ	1=12V, 0=0V	Logic '1' enables BFO.

PIN NO.	NAME	ZIN	VIN	REMARKS
VRC	D.AGC	20KΩ	1=12V, 0=0V	Applying voltage to D.AGC discharges timing capacitor in case CKT (1-2 msec)
VRC	Squelch	4KΩ	1=12V, 0=0V	Logic '0' enables squelch.
56	BPC	51KΩ	1=5V, 0=0V	Bypass control. (σ) ($\approx 100mW$) 3.2mA @ 14.4V. Gnd = G-1
VRC	SP.P	12KΩ	1=12V, 0=0V	Logic '1' enables speech processor.
50	MIC	150KΩ	2.5V _{rms}	Analog Input
52	PTT.	51KΩ To 12V	0 = GND 1 = 12V	GRND this pin operate transmitter.

OUTPUTS

PIN NO.	NAME	ZOUT	VOUT	REMARKS
VRC	Bat and Ind (5 leds)		1=5V, 0=0V	Five leds output that gives information of battery level, PWR or S meter.
23	Remote	50K Ω	12V	Gives 12V for external hardware during remote.
29	TUNE	100K Ω	1=12V, 0=0V	Logic 1 indicates that matching process or pretune is on logic 0 indicates that matching process completed. Initiated 15 msec Max. after every ptt. After first ptt. or turning on the duration is 0.1 sec.
48	No Match	100K Ω	1=12V, 0=0V	Logic '0' : Normal condition. Logic '1' : Antenna matching cannot be achieved.
30	Synt. Unlook	100K Ω	1=12V, 0=0V	Logic 1 indicates Synt. Is unlocked. Logic 0 indicates Synt. Is locked.
VRC	Rec. Level	100K Ω	0-5VDC	Linear with log. of SIGNAL INPUT

PLN NO.	NAME	ZOUT	VOUT	REMARKS
VRC	Lo input voltage	100K Ω	I=12V, 0=0V	Logic 1 indicates that DC input voltage is below (the shold) threshold
VRC	Balanced output	300 Ω	0dbm	
VRC	ANT	100 K Ω to +5V	0 = 0V 1 = 5V	Output monitor which ANT is connected.
VRC	PTT MONITOR	note 1 : The capacity of all inputs 10nF.		Applying 12V IND unit is in transmit.



NO	CATALOG NO	NAME	DESCRIPTION	QTY	UNIT	NOTE
1		INTI MADYASTRIAL SUPER 1111 SPAN TADIRAN Communication & Electronic Equipment Mfg.	M.B. PRC 174			
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 DATE
 TITLE

NO.	REVISED	DESCRIPTION	DATE	BY	CHKD.	APP.	REF.	QTY	UNIT	REMARKS	TEST	DATE	BY	CHKD.	APP.	REMARKS
1		CONNECTION	J1				J6									
2			J2				J7									
3			J3				J8									
4			J4				J9									
5			J5				J10									
6			J6				J11									
7			J7				J12									
8			J8				J13									
9			J9				J14									
10			J10				J15									
11			J11				J16									
12			J12				J17									
13			J13				J18									
14			J14				J19									
15			J15				J20									
16			J16				J21									
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19			J19				J24									
20			J20				J25									
21			J21				J26									
22			J22				J27									
23			J23				J28									
24			J24				J29									
25			J25				J30									

NAME: TAURAN
 LOCATION: Station & Electronic Equipment Mfg.
 PART NO: N.B. (R)
 INTERCONNECTION
 QTY: 174
 DATE: 1974

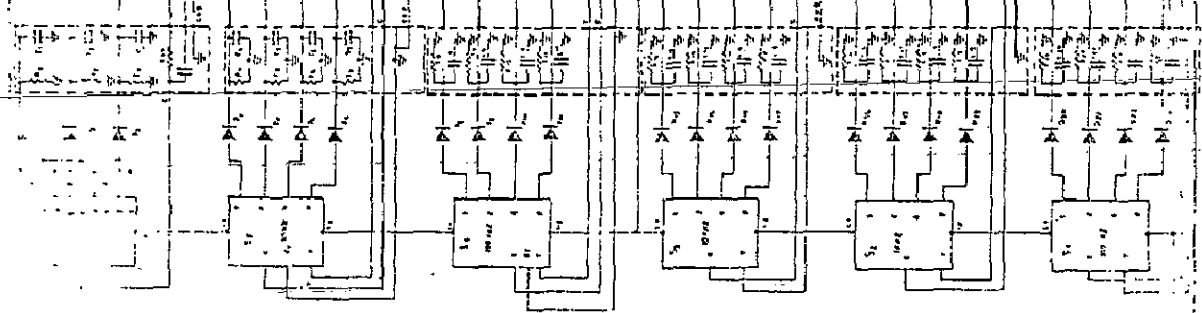
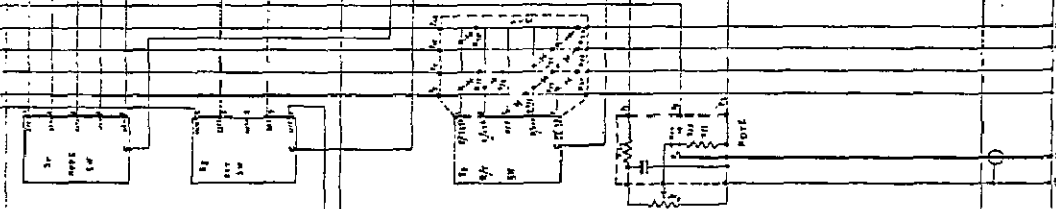
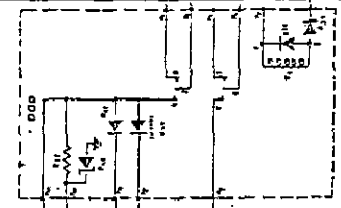
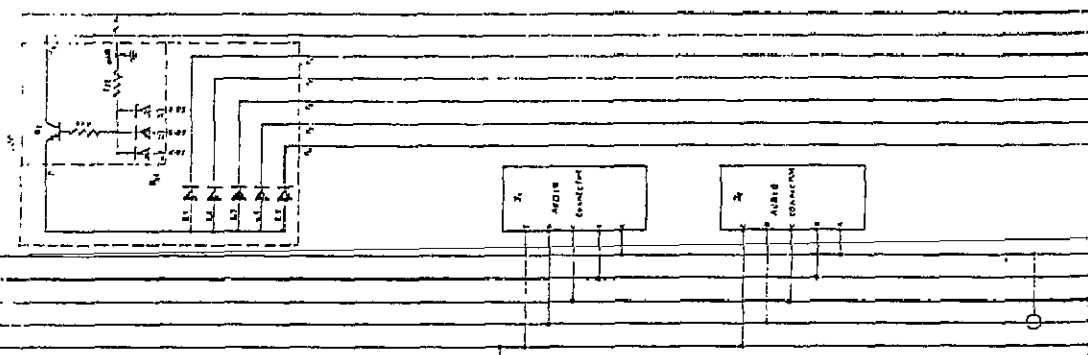
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DATE: 1974
 BY: [Signature]

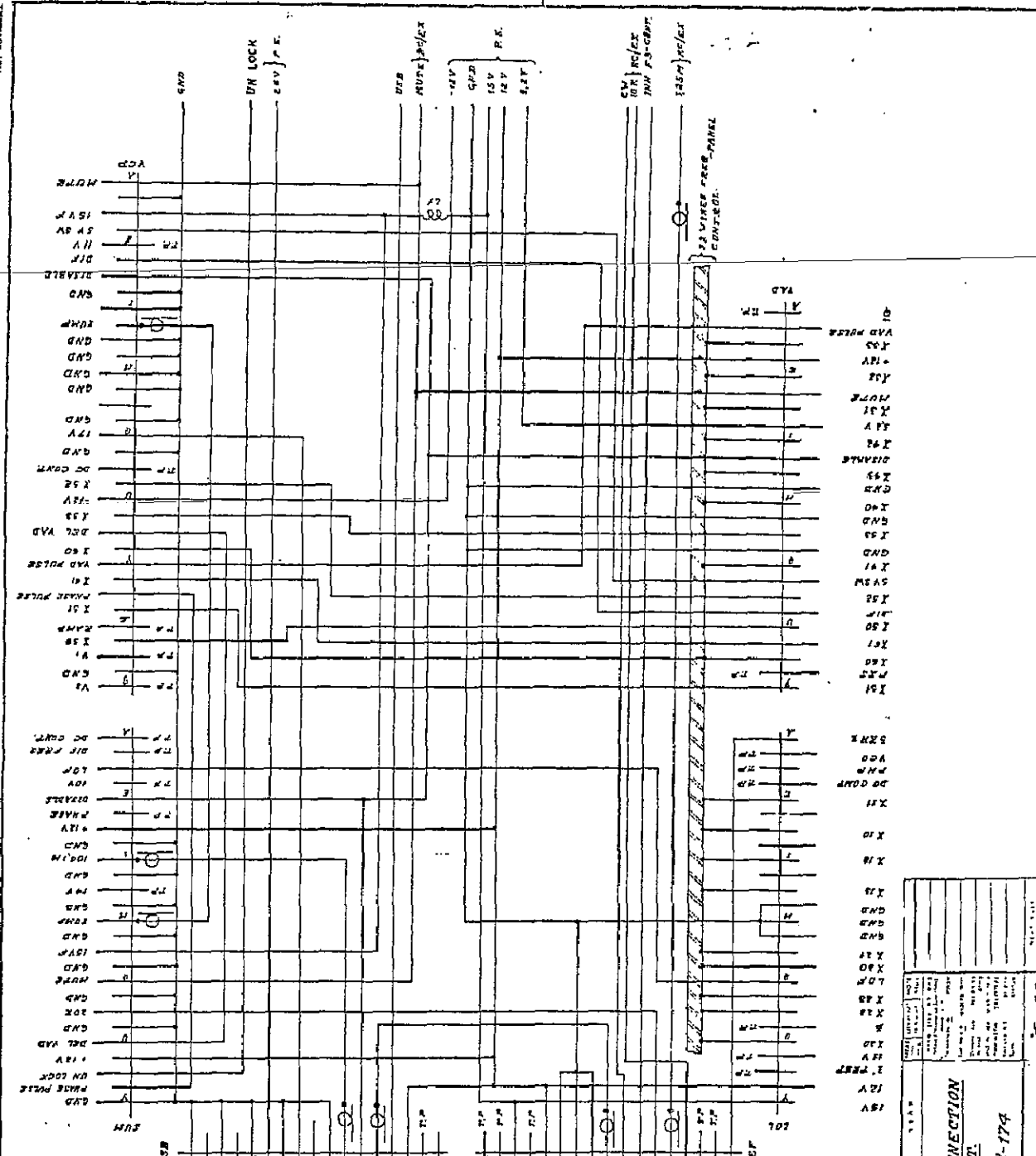
LINE NO	DESCRIPTION	QTY	UNIT	PRICE	TOTAL	DATE	STATUS	REMARKS
192	+15V	B	C	e				
193	+17V		O					
194	34V	SU						
195	257 US FILTER	E						
196	24V FILTER	D						
197	144.1 MHz							
198	29 MHz							
199	14.5 MHz							
200	5 MHz							
201	25 MHz							
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<p>192 +15V</p> <p>193 +17V</p> <p>194 34V</p> <p>195 257 US FILTER</p> <p>196 24V FILTER</p> <p>197 144.1 MHz</p> <p>198 29 MHz</p> <p>199 14.5 MHz</p> <p>200 5 MHz</p> <p>201 25 MHz</p> <p>202 19 MHz</p> <p>203 25 MHz</p> <p>204 19 MHz</p> <p>205 25 MHz</p> <p>206 19 MHz</p> <p>207 25 MHz</p> <p>208 19 MHz</p> <p>209 25 MHz</p> <p>210 19 MHz</p> <p>211 25 MHz</p> <p>212 19 MHz</p> <p>213 25 MHz</p> <p>214 19 MHz</p> <p>215 25 MHz</p> <p>216 19 MHz</p> <p>217 25 MHz</p> <p>218 19 MHz</p> <p>219 25 MHz</p> <p>220 19 MHz</p> <p>221 25 MHz</p> <p>222 19 MHz</p> <p>223 25 MHz</p> <p>224 19 MHz</p> <p>225 25 MHz</p> <p>226 19 MHz</p> <p>227 25 MHz</p> <p>228 19 MHz</p> <p>229 25 MHz</p> <p>230 19 MHz</p> <p>231 25 MHz</p> <p>232 19 MHz</p> <p>233 25 MHz</p> <p>234 19 MHz</p> <p>235 25 MHz</p> <p>236 19 MHz</p> <p>237 25 MHz</p> <p>238 19 MHz</p> <p>239 25 MHz</p> <p>240 19 MHz</p> <p>241 25 MHz</p> <p>242 19 MHz</p> <p>243 25 MHz</p> <p>244 19 MHz</p> <p>245 25 MHz</p> <p>246 19 MHz</p> <p>247 25 MHz</p> <p>248 19 MHz</p> <p>249 25 MHz</p> <p>250 19 MHz</p>	<p>DESCRIPTION</p> <p>M.D. (8)</p> <p>INTERCOMBINATION</p> <p>PIC - 174</p>	<p>DATE</p> <p>11/11/11</p>	<p>TIME</p> <p>11:00</p>	<p>STATUS</p> <p>OK</p>	<p>REMARKS</p> <p>COAX</p> <p>COAX</p> <p>COAX</p> <p>COAX</p> <p>COAX</p> <p>COAX</p> <p>COAX</p> <p>COAX</p>
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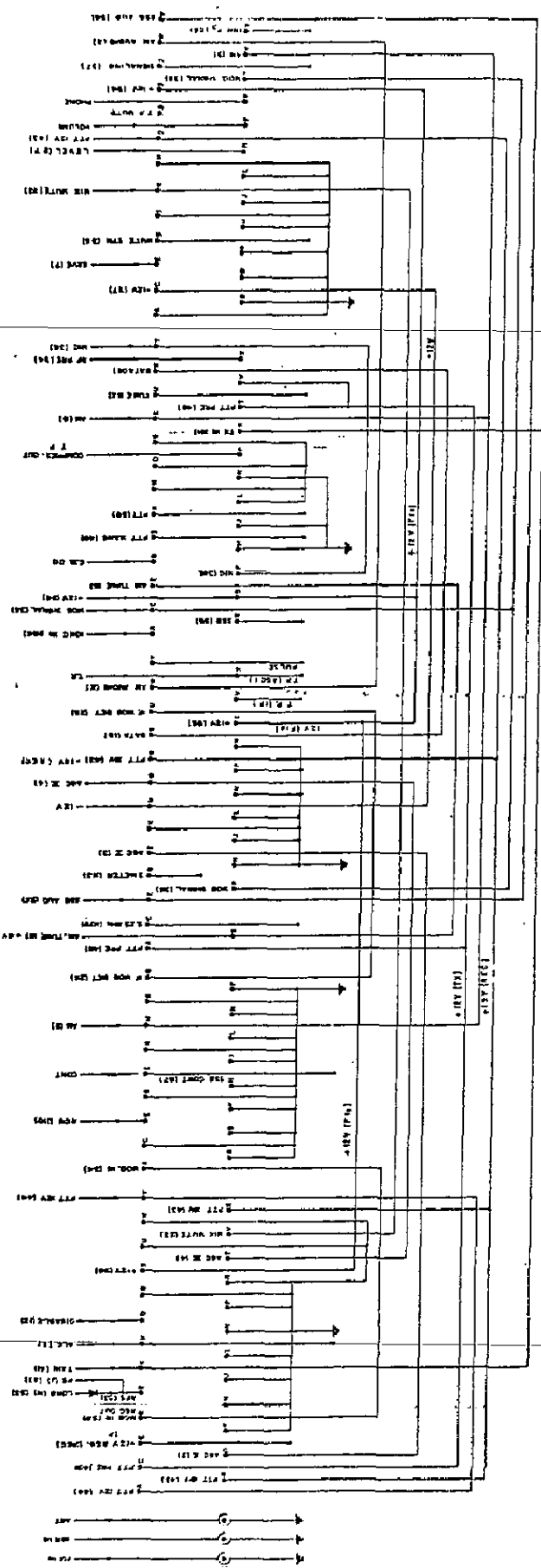


TERMINAL NO.	WIRE NO.	WIRE COLOR	WIRE SIZE
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INTERCONNECTION
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COMMUNICATIONS & ELECTRONIC ENGINEERING
LABORATORY
NAVY DEPARTMENT
WASHINGTON, D.C.

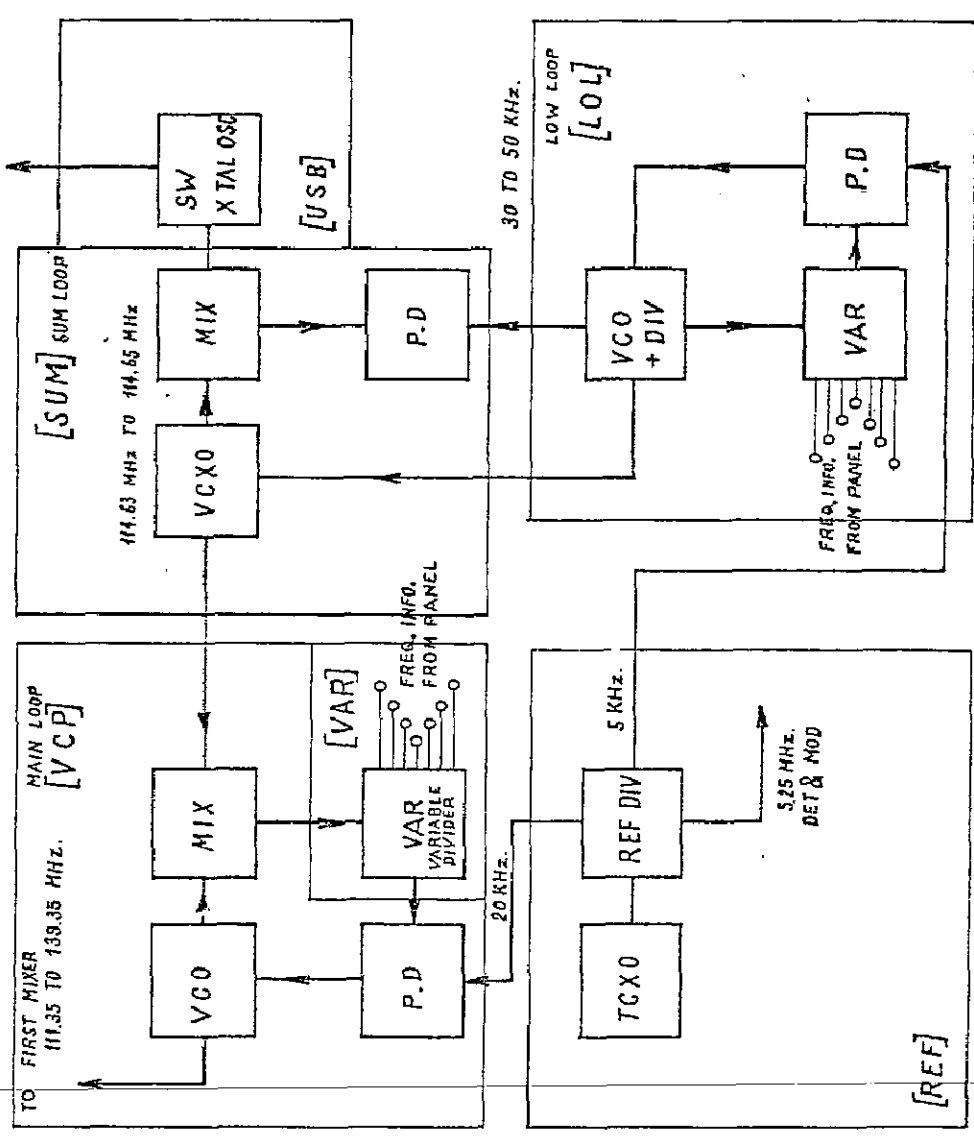
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TO SECOND MIXER
114.5 OR 104.1 MHz.



2.4 910206 B7B	COMMUNICATIONS TADIRAN Communication & Electronic Equipment Mfg.	NAME TADIRAN	DESCRIPTION SYNTHESIZER PRINCIPLE	DATE 1/1	DRAWING NO. 910206	REV. 1	BY [Signature]	CHECKED BY [Signature]	APPROVED BY [Signature]	TITLE PRINCIPLE	PARTS LIST NONE	NOTES 1. THIS IS A... 2. ... 3. ...	NEXT ASSY 910207
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BM02 21249521000 1

MIX

CONT

16/03/77 3 15TU

SINGLE LEVEL EXPLOSION

DB-TD TWP T1'S

CAT. NO=2124-95-210-00 REV= A NOUN=PC BOARD ASSY

U. M=PC 1=71'S TDTT

REF CODE =1A2A1 0310 REF. DEF=24952100

M/B=M

Q/P100

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100100	RESIST FXD	(6311007)RCR0566R1JS MILR3900	0268	PC	B	7 00
2124-1100300	RESIST FXD	(6311020)RCR056100JS MILR3900	0268	PC	B	5. 00
2124-1101000	RESIST FXD	(6311030)RCR056510JS MILR3900	0268	PC	B	2. 00
2124-1101100	RESIST FXD	(6311032)RCR056680JS MILR3900	0268	PC	B	1. 00
2124-1101200	RESIST FXD	(6311036)RCR056750JS MILR3900	0268	PC	B	1. 00
2124-1101300	RESIST FXD	RCR056820JS MILR3900	0268	PC	B	2. 00
2124-1101500	RESIST FXD	(6311045)RCR056101JS MILR3900	0268	PC	B	1. 00
2124-1101700	RESIST FXD	(6311049)RCR056151JS MILR3900	0268	PC	B	2. 00
2124-1101900	RESIST FXD	(9011031)RCR056181JS MILR3900	0268	PC	B	2. 00
2124-1102200	RESIST FXD	(6311054)RCR056241JS MILR3900	0268	PC	B	1. 00
2124-1102400	RESIST FXD	(6311056)RCR056301JS MILR3900	0268	PC	B	1. 00
2124-1102500	RESIST FXD	(6311057)RCR056331JS MILR3900	0268	PC	B	1. 00
2124-1102700	RESIST FXD	(6311060)RCR056471JS MILR3900	0268	PC	B	5. 00
2124-1103300	RESIST FXD	(6311234)RCR056821JS MILR3900	0268	PC	B	1. 00
2124-1103500	RESIST FXD	(6311070)RCR056102JS MILR3900	0268	PC	B	2. 00
2124-1103700	RESIST FXD	(6311073)RCR056132JS MILR3900	0268	PC	B	1. 00
2124-1103800	RESIST FXD	(6311074)RCR056152JS MILR3900	0268	PC	B	2. 00
2124-1104100	RESIST FXD	(6311076)RCR056202JS MILR3900	0268	PC	B	3. 00
2124-1104600	RESIST FXD	(6311081)RCR056332JS MILR3900	0268	PC	B	2. 00
2124-1104900	RESIST FXD	(6311085)RCR056472JS MILR3900	0268	PC	B	1. 00
2124-1105300	RESIST FXD	(6311089)RCR056682JS MILR3900	0268	PC	B	4. 00
2124-1107100	RESIST FXD	(6311115)RCR056473JS MILR3900	0268	PC	B	2. 00
2124-1108400	RESIST FXD	(6311094)RCR056474JS MILR3900	0268	PC	B	1. 00
2124-1120300	RESIST FXD	RCR0765R6JS MILR3900	0268	PC	B	1. 00
2124-1130700	RESIST FXD	RN55D30R1F MILR1050	0268	PC	B	1. 00
2124-1130800	RESIST FXD	RN55D3221F MILR1050	0268	PC	B	2. 00
2124-1130900	RESIST FXD	RN55D3320F MILR1050	0268	PC	B	2. 00
2124-1131000	RESIST FXD	RN55D10R0F MILR1050	0268	PC	B	3. 00
2124-1131100	RESIST FXD	RN55D23R2F MILR1050	0268	PC	B	1. 00
2124-1138000	RESIST FXD	RN50D1302F MILR1050	0268	PC	B	1. 00
2124-1138800	RESIST FXD	RN50D2211F MILR1050	0268	PC	B	1. 00
2124-1206000	CAP FXD	8131-050-X7R-104K	0002	PC	B	13. 00

BMO2 21249521000 1

MIX

CONT

16/03/77 1 137J

SINGLE LEVEL EXPLOSION

DB-TD TQP TDZ

CAT. NO=2124-95-210-00 REV= A NOUN=PC BOARD ASSY

U. M=PC 1=717J TDZ

REF CODE =1A2A1 0310 REF. DEF=24952100

M/B=M

917J

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1208600	CAP FXD	8121-050-X7R-470K	0002	PC B		1.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC B		12.00
2124-1209400	CAP FXD	8121-050-X7R-102K	0002	PC B		10.00
2124-1209600	CAP FXD	8121-050-C0G-121J	0002	PC B		4.00
2124-1211200	CAP FXD	8121-100-C0G-331J	0002	PC B		2.00
2124-1213500	CAP FXD TANT	CSR13E225KP	0268	PC B		1.00
2124-1216200	CAP FXD CHIP	SOR15W103KT	0557	PC B		2.00
2124-1218600	CAP FXD	8131-050-X7R-473K	0002	PC B		3.00
2124-1219400	CAP FXD	8111-050-C0G=150J	0268	PC B		2.00
2124-1219900	CAP VAR (0.35-3.5	JMC4702 WITH NUT	0557	PC B		4.00
2124-1300200	RF CHOKE	1025-60 47 MH	0112	PC B		3.00
2124-1300500	RF CHOKE	1025-68 100 MH	0112	PC B		2.00
2124-1301000	RF CHOKE	1025-48 15 MH	0112	PC B		1.00
2124-1301100	RF CHOKE	1025-28 2.2 MH	0112	PC B		2.00
2124-1301400	RF CHOKE	1025-92	0112	PC B		4.00
2124-1304500	COIL	24130450	0310	PC M		1.00
2124-1400300	FILTER IF	24140030	0310	PC B		1.00
2124-1501000	FERRITE RING (26150024150100		0310	PC B		1.00
2124-1501400	CORE (5915002B64290-A0035-X035		0278	PC B		4.00
2124-1501700	CORE T20-10		0589	PC B		3.00
2124-1501800	CORE T20-6		0589	PC B		1.00
2124-1502600	CORE (2515053) SM502957C-1		0267	PC B		2.00
2124-1502700	CORE 579322			PC B		1.00
2124-1502800	CORE 571514			PC B		2.00
2124-1502900	CORE T25-6MM		0589	PC B		2.00
2124-1503500	FERRITE 48322-020-34421		0586	PC B		2.00
2124-2100900	INTEGRAT CIRC (59210MT100			PC B		1.00
2124-2101100	INTEGRAT CIRC U430			PC B		4.00
2124-2106200	TRANSISTOR 2N4416 JAN TX			PC B		1.00
2124-2106300	TRANSISTOR 2N2222A JAN TX			PC B		7.00
2124-2106500	TRANSISTOR (632101A)2N5109 JAN TX			PC B		2.00
2124-2106600	TRANSISTOR (6821302N2905 JAN TX			PC B		1.00
2124-2108700	TRANSISTOR 2N5397			PC B		1.00
2124-2110500	DIODE (5921201) 1N914 SMALL			PC B		6.00
2124-2110700	DIODE HP3081			PC B		5.00
2124-2113000	DIODE 1N3070			PC B		1.00
2124-3100200	RELAY M39016/15-003L		0268	PC B		2.00
2124-3300200	CONNECTOR UPC2B25P4		0298	PC B		1.00
2124-3301000	CONNECTOR 51-453-0000		0001	PC B		3.00
2124-4134000	SCREEN A 24413400A FINISH		0310	PC R		1.00
2124-4135000	SCREEN B 24413500A FINISH		0310	PC R		1.00
2124-4136000	BRACKET 24413600A FINISH		0310	PC R		1.00
2124-4137000	FRAME SCREEN A 24413700A FINISH		0310	PC R		1.00
2124-4138000	FRAME SCREEN B 24413800A FINISH		0310	PC R		1.00
2124-5202600	SCREW (5952250) 8AE1-64LINCX1/8"J478A		0268	PC B		7.00
2124-9239000	FRAME MIX ASSY 24923900 PAINT	1A2A1	0310	PC R		1.00
2124-9421000	PC BOARD S/A 24942100	1A2A1	0310	PC M		1.00

BM02 21249522000 1

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16/03/77 י יכתיב

SINGLE LEVEL EXPLOSION

צירוף קשר תפ-09

CAT. NO=2124-95-220-00 REV= A NOUN=PC BOARD ASSY

דברת יצורף 1=PC M. U.

REF CODE =1A2A2 0310 REF. DEF=24952200

M/B=M

בתוף

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100300	RESIST FXD	(6311020)RCR05G100JS MILR3900	0268	PC	B	1.00
2124-1100900	RESIST FXD	(6311029)RCR05G470JS MILR3900	0268	PC	B	2.00
2124-1101000	RESIST FXD	(6311030)RCR05G510JS MILR3900	0268	PC	B	2.00
2124-1101100	RESIST FXD	(6311032)RCR05G680JS MILR3900	0268	PC	B	1.00
2124-1101300	RESIST FXD	RCR05G820JS MILR3900	0268	PC	B	1.00
2124-1101500	RESIST FXD	(6311045)RCR05G101JS MILR3900	0268	PC	B	3.00
2124-1102000	RESIST FXD	(6311052)RCR05G201JS MILR3900	0268	PC	B	2.00
2124-1102200	RESIST FXD	(6311054)RCR05G241JS MILR3900	0268	PC	B	1.00
2124-1102700	RESIST FXD	(6311060)RCR05G471JS MILR3900	0268	PC	B	3.00
2124-1103500	RESIST FXD	(6311070)RCR05G102JS MILR3900	0268	PC	B	15.00
2124-1103700	RESIST FXD	(6311073)RCR05G132JS MILR3900	0268	PC	B	2.00
2124-1103800	RESIST FXD	(6311074)RCR05G152JS MILR3900	0268	PC	B	1.00
2124-1104000	RESIST FXD	(6311075)RCR05G182JS MILR3900	0268	PC	B	1.00
2124-1104100	RESIST FXD	(6311076)RCR05G202JS MILR3900	0268	PC	B	2.00
2124-1104400	RESIST FXD	(9011015)RCR05G272JS MILR3900	0268	PC	B	3.00
2124-1104500	RESIST FXD	(6311080)RCR05G302JS MILR3900	0268	PC	B	5.00
2124-1104700	RESIST FXD	(6311083)RCR05G392JS MILR3900	0268	PC	B	1.00
2124-1104900	RESIST FXD	(6311085)RCR05G472JS MILR3900	0268	PC	B	2.00
2124-1105000	RESIST FXD	(6311086)RCR05G512JS MILR3900	0268	PC	B	5.00
2124-1105300	RESIST FXD	(6311089)RCR05G682JS MILR3900	0268	PC	B	2.00
2124-1105600	RESIST FXD	(6311092)RCR05G912JS MILR3900	0268	PC	B	1.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC	B	9.00
2124-1105900	RESIST FXD	(6311102)RCR05G123JS MILR3900	0268	PC	B	1.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC	B	6.00
2124-1106300	RESIST FXD	(6311105)RCR05G183JS MILR3900	0268	PC	B	2.00
2124-1106500	RESIST FXD	(6311107)RCR05G223JS MILR3900	0268	PC	B	6.00
2124-1106900	RESIST FXD	(6311111)RCR05G333JS MILR3900	0268	PC	B	2.00
2124-1107100	RESIST FXD	(6311115)RCR05G473JS MILR3900	0268	PC	B	2.00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900	0268	PC	B	3.00
2124-1108400	RESIST FXD	(6311074)RCR05G474JS MILR3900	0268	PC	B	1.00
2124-1108500	RESIST FXD	(6311148)RCR05G105JS MILR3900	0268	PC	B	1.00
2124-1109000	RESIST FXD	(6311128)RCR05G364JS MILR3900	0268	PC	B	1.00

EM02 21249522000 1

IF

CONT

16/03/77 1 137H

SINGLE LEVEL EXPLOSION

09-TR 7777 137H

CAT. NO-2124-95-220-00 REV- A NOLIN-PC BOARD ASSY

U. M-PC 1=7777 137H

REF CODE -1A2A2 0310 REF. DEF-24952200

M/B-M

7777

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1138600	RESIST FXD	RN50D2671F MILR1050	0268	PC	B	1.00
2124-1138700	RESIST FXD	RN50D1212F MILR1050	0268	PC	B	1.00
2124-1145400	RESIST VAR	3262W-1-10S	0014	PC	B	1.00
2124-1145500	RESIST VAR	3322F-1-501	0014	PC	B	1.00
2124-1145700	RESIST VAR	3262X-1-50S	0014	PC	B	1.00
2124-1206000	CAP FXD	8131-050-X7R-104K	0002	PC	B	25.00
2124-1208600	CAP FXD	8121-050-X7R-470K	0002	PC	B	1.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC	B	5.00
2124-1209400	CAP FXD	8121-050-X7R-102K	0002	PC	B	9.00
2124-1210100	CAP FXD	8121-050-X7R-221J	0002	PC	B	1.00
2124-1211200	CAP FXD	8121-100-C0G-331J	0002	PC	B	1.00
2124-1213500	CAP FXD TANT	CSR13E225KF	0268	PC	B	4.00
2124-1213600	CAP FXD TANT	CSR13C475KF MIL39003	0268	PC	B	2.00
2124-1214700	CAP FXD	CK06BX105K MILC1101	0268	PC	B	1.00
2124-1215500	CAP VAR (5912078)	9410-4FC	0557	PC	B	1.00
2124-1216400	CAP FXD TANT	CSR13D335KF	0268	PC	B	2.00
2124-1218300	CAP FXD	8111-050-C0G-100J	0002	PC	B	1.00
2124-1218600	CAP FXD	8131-050-X7R-473K	0002	PC	B	1.00
2124-1226500	CAP FXD	8121-100-C0G-221J	0002	PC	B	1.00
2124-1300200	RF CHOKE	1025-60 47 MH	0112	PC	B	4.00
2124-1301400	RF CHOKE	1025-92	0112	PC	B	1.00
2124-1304600	COIL	24130460	0310	PC	M	1.00
2124-1501000	FERRITE RING (26150024150100)		0310	PC	B	1.00
2124-1501300	FERRITE (20332238M5004568)		0267	PC	B	1.00
2124-2100700	INTEGRAT CIRC (63211MC1596G)			PC	B	2.00
2124-2100800	INTEGRAT CIRC	MC1596B		PC	B	2.00
2124-2100900	INTEGRAT CIRC (59210MT100)			PC	B	1.00
2124-2101000	INTEGRAT CIRC	LM124D/883B		PC	B	1.00
2124-2104500	INTEGRAT CIRC	CA3083AD		PC	B	1.00
2124-2106200	TRANSISTOR	2N4416 JAN TX		PC	B	1.00
2124-2106300	TRANSISTOR	2N2222A JAN TX		PC	B	6.00
2124-2106400	TRANSISTOR	2N2907A JAN TX		PC	B	2.00
2124-2110100	DIODE (5921209)	1N4148		PC	B	3.00
2124-2110300	DIODE	1N4733A		PC	B	1.00
2124-2112600	DIODE ZENER	1N754A JAN	0268	PC	B	1.00
2124-2112700	DIODE ZENER	1N751A JAN	0268	PC	B	1.00
2124-3300200	CONNECTOR	UPC2B25F4	0298	PC	B	1.00
2124-4142000	SCREEN A2	24414200A FINISH	0310	PC	R	1.00
2124-4143000	SCREEN B2	24414300A FINISH	0310	PC	R	1.00
2124-4144000	SCREEN C2	24414400A FINISH	0310	PC	R	1.00
2124-4145000	SCREEN D2	24414500A FINISH	0310	PC	R	1.00
2124-4146000	SCREEN E2	24414600A FINISH	0310	PC	R	1.00
2124-4147000	TRAFU-BUSHING	24414700A	0310	PC	B	1.00
2124-5105000	NUT (5951100)	SAE1-64UNC HEX	0268	PC	B	1.00
2124-5202600	SCREW (5952250)	SAE1-64UNCX1/8"J478A	0268	PC	B	7.00
2124-5202900	SCREW PAN HEAD	SAE1-64UNCX3/8"J478A	0268	PC	B	1.00
2124-5310000	WASHER	NAS620B2	0268	PC	B	8.00
2124-5313000	WASHER, SPRING=LOCK	NAS1640=1C	0268	PC	B	1.00

BM02 21249523000 1

AUD

CONT

16/03/77 1 137U

SINGLE LEVEL EXPLOSION

09-11 7047 11 13

CAT. NO=2124-95-230-00 REV= A NOUN=PC BOARD ASSY

U. M=PC 1=1111 1111

REF CODE =1A2A3 0310 REF. DEF=24952300

M/B=M

031011

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100900	RESIST FXD	(6311029)RCR05G470JS MILR3900	0268	PC	B	1.00
2124-1101500	RESIST FXD	(6311045)RCR05G101JS MILR3900	0268	PC	B	2.00
2124-1101900	RESIST FXD	(9011031)RCR05G181JS MILR3900	0268	PC	B	1.00
2124-1102800	RESIST FXD	(6311061)RCR05G511JS MILR3900	0268	PC	B	5.00
2124-1103500	RESIST FXD	(6311070)RCR05G102JS MILR3900	0268	PC	B	4.00
2124-1104200	RESIST FXD	(6311157)RCR05G222JS MILR3900	0268	PC	B	2.00
2124-1104600	RESIST FXD	(6311081)RCR05G332JS MILR3900	0268	PC	B	2.00
2124-1104700	RESIST FXD	(6311083)RCR05G392JS MILR3900	0268	PC	B	1.00
2124-1104900	RESIST FXD	(6311085)RCR05G472JS MILR3900	0268	PC	B	7.00
2124-1105000	RESIST FXD	(6311086)RCR05G512JS MILR3900	0268	PC	B	2.00
2124-1105300	RESIST FXD	(6311089)RCR05G682JS MILR3900	0268	PC	B	2.00
2124-1105500	RESIST FXD	(6311091)RCR05G822JS MILR3900	0268	PC	B	1.00
2124-1105600	RESIST FXD	(6311092)RCR05G912JS MILR3900	0268	PC	B	1.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC	B	10.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC	B	1.00
2124-1106400	RESIST FXD	(6311106)RCR05G203JS MILR3900	0268	PC	B	6.00
2124-1107000	RESIST FXD	(6311113)RCR05G393JS MILR3900	0268	PC	B	1.00
2124-1107100	RESIST FXD	(6311115)RCR05G473JS MILR3900	0268	PC	B	7.00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900	0268	PC	B	10.00
2124-1107800	RESIST FXD	(6311134)RCR05G184JS MILR3900	0268	PC	B	1.00
2124-1107900	RESIST FXD	(6311135)RCR05G224JS MILR3900	0268	PC	B	1.00
2124-1108500	RESIST FXD	(6311148)RCR05G105JS MILR3900	0268	PC	B	5.00
2124-1108700	RESIST FXD	RCR05G205JS MILR3900	0268	PC	B	2.00
2124-1108800	RESIST FXD	RCR05G305JS MILR3900	0268	PC	B	2.00
2124-1109100	RESIST FXD	RCR05G824JS MILR3900	0268	PC	B	1.00
2124-1110800	RESIST FXD	RCR05G114JS MILR3900	0268	PC	B	1.00
2124-1137400	RESIST FXD	RN50D1503F MILR1050	0268	PC	B	3.00
2124-1137500	RESIST FXD	RN50D5112F MILR1050	0268	PC	B	5.00
2124-1137600	RESIST FXD	RN50D3922F MILR1050	0268	PC	B	1.00
2124-1137700	RESIST FXD	RN50D6811F MILR1050	0268	PC	B	1.00
2124-1137800	RESIST FXD	RN50D2672F MILR1050	0268	PC	B	2.00
2124-1137900	RESIST FXD	RN50D1001F MILR1050	0268	PC	B	1.00

BMQZ 21249523000 1

AUD

CONT

16/03/77 1 13111

SINGLE LEVEL EXPLOSION

צ'יוד קומר ת"ד-09

CAT. NO=2124-95-230-00 REV= A NOUN=PC BOARD ASSY

דברת יצו"ר=1 M=PC

REF CODE =1A2A3 0310 REF. DEF=24952300

M/B=M

מ"ק

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1138000	RESIST FXD	RN50D1302F MILR1050	0268	PC	B	1.00
2124-1138100	RESIST FXD	RN50D5622F MILR1050	0268	PC	B	2.00
2124-1138200	RESIST FXD	RN50D3162F MILR1050	0268	PC	B	2.00
2124-1138300	RESIST FXD	RN50D5761F MILR1050	0268	PC	B	1.00
2124-1138400	RESIST FXD	RN50D1002F MILR1050	0268	PC	B	1.00
2124-1138500	RESIST FXD	RN50D7502F MILR1050	0268	PC	B	1.00
2124-1206000	CAP FXD	8121-050-X7R-104K	0002	PC	B	6.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC	B	5.00
2124-1209800	CAP FXD	8121-050-C05-102J	0002	PC	B	3.00
2124-1211200	CAP FXD	8121-100-C0G-331J	0002	PC	B	2.00
2124-1211400	CAP FXD	8121-100-C0G-481J	0002	PC	B	1.00
2124-1213500	CAP FXD TANT	CSR13E225KF	0268	PC	B	6.00
2124-1213600	CAP FXD TANT	CSR13C475KF MIL39003	0268	PC	B	7.00
2124-1213800	CAP FXD TANT	CSR13E156KF	0268	PC	B	1.00
2124-1214500	CAP FXD	CK05BX103K MILC1101	0268	PC	B	3.00
2124-1214700	CAP FXD	CK06BX105K MILC1101	0268	PC	B	4.00
2124-1215000	CAP FXD POLYE.	CHR01B .02MF 30V 2		PC	B	2.00
2124-1215100	CAP FXD POLYC.	CHR01B .022MF 30V 2		PC	B	1.00
2124-1226300	CAP FXD TANT	CSR13E107KF MIL39003	0268	PC	B	1.00
2124-2101000	INTEGRAT CIRC	LM124D/883B		PC	B	1.00
2124-2104400	INTEGRAT CIRC	CD4016AD		PC	B	1.00
2124-2104500	INTEGRAT CIRC	CA3083AD		PC	B	1.00
2124-2104600	INTEGRAT CIRC	LM555H/883B		PC	B	2.00
2124-2104700	INTEGRAT CIRC	MT741		PC	B	1.00
2124-2104800	INTEGRAT CIRC	MT747		PC	B	1.00
2124-2106100	TRANSISTOR	2N3909 JAN TX		PC	B	1.00
2124-2106200	TRANSISTOR	2N4416 JAN TX		PC	B	2.00
2124-2106300	TRANSISTOR	2N2222A JAN TX		PC	B	8.00
2124-2106400	TRANSISTOR	2N2907A JAN TX		PC	B	2.00
2124-2110100	DIODE (5921209)	1N4148		PC	B	7.00
2124-2112700	DIODE ZENER	1N751A JAN	0268	PC	B	1.00
2124-2112800	DIODE ZENER	1N753A JAN	0268	PC	B	1.00

PRE

BMOZ 21249524000 1

CONT

16/03/77 -1 13711

SINGLE LEVEL EXPLOSION

צ"ר קשר תל-09

CAT. NO=2124-95-240-00 REV= A NOUN=PC BOARD ASSY

כרטיס יציאת M=PC 1

REF CODE =1A2A4 0310 REF. DEF=24952400

M/B=M

מ"ר

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100500	RESIST FXD	(6311025)RCR05G220JS MILR3900	0268	PC	B	1.00
2124-1101500	RESIST FXD	(6311045)RCR05G101JS MILR3900	0268	PC	B	1.00
2124-1102200	RESIST FXD	(6311054)RCR05G241JS MILR3900	0268	PC	B	1.00
2124-1102300	RESIST FXD	(6311055)RCR05G271JS MILR3900	0268	PC	B	1.00
2124-1102700	RESIST FXD	(6311060)RCR05G471JS MILR3900	0268	PC	B	2.00
2124-1103500	RESIST FXD	(6311070)RCR05G102JS MILR3900	0268	PC	B	4.00
2124-1104600	RESIST FXD	(6311081)RCR05G332JS MILR3900	0268	PC	B	1.00
2124-1104900	RESIST FXD	(6311085)RCR05G472JS MILR3900	0268	PC	B	2.00
2124-1105500	RESIST FXD	(6311091)RCR05G822JS MILR3900	0268	PC	B	1.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC	B	3.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC	B	1.00
2124-1106300	RESIST FXD	(6311105)RCR05G183JS MILR3900	0268	PC	B	6.00
2124-1106400	RESIST FXD	(6311106)RCR05G203JS MILR3900	0268	PC	B	10.00
2124-1106700	RESIST FXD	(6311109)RCR05G273JS MILR3900	0268	PC	B	3.00
2124-1107000	RESIST FXD	(6311113)RCR05G393JS MILR3900	0268	PC	B	1.00
2124-1107100	RESIST FXD	(6311115)RCR05G473JS MILR3900	0268	PC	B	3.00
2124-1107200	RESIST FXD	(6311116)RCR05G513JS MILR3900	0268	PC	B	2.00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900	0268	PC	B	8.00
2124-1107900	RESIST FXD	(6311135)RCR05G224JS MILR3900	0268	PC	B	2.00
2124-1108000	RESIST FXD	(6311136)RCR05G244JS MILR3900	0268	PC	B	2.00
2124-1108400	RESIST FXD	(6311094)RCR05G474JS MILR3900	0268	PC	B	1.00
2124-1108500	RESIST FXD	(6311148)RCR05G105JS MILR3900	0268	PC	B	4.00
2124-1109700	RESIST FXD	RCR05G205JS MILR3900	0268	PC	B	3.00
2124-1109000	RESIST FXD	(6311128)RCR05G564JS MILR3900	0268	PC	B	1.00
2124-1109100	RESIST FXD	RCR05G824JS MILR3900	0268	PC	B	1.00
2124-1110000	RESIST FXD	RCR05G623JS MILR3900	0268	PC	B	2.00
2124-1110100	RESIST FXD	RCR05G120JS MILR3900	0268	PC	B	1.00
2124-1120600	RESIST FXD	(6311168)RCR07G240JS MILR3900	0268	PC	B	1.00
2124-1121200	RESIST FXD	(6311200)RCR07G750JS MILR3900	0268	PC	B	1.00
2124-1130400	RESIST FXD	RCR20G831JS MILR3900	0268	PC	B	1.00
2124-1130500	RESIST FXD	RCR20G510JS MILR3900	0268	PC	B	1.00
2124-1160300	RESIST FXD	RCR07G390JS MILR3900	0268	PC	B	1.00

BM02 21249524000 1

PRE

CONT

16/03/77 3 1070

SINGLE LEVEL EXPLOSION

צ'ון קשר דג-09

CAT. NO=2124-95-240-00 REV= A NOUN=PC BOARD ASSY

סדרת צ'ון 1=PC M. U.

REF CODE =1A2A4 0310 REF. DEF=24952400

M/E=M

מחיר

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/E	Q/CON.
2124-1206000	CAP FXD	8131-050-X7R-104K	0002	PC B		12.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC B		7.00
2124-1209400	CAP FXD	8121-050-X7R-102K	0002	PC B		1.00
2124-1210400	CAP FXD	8121-050-X7R-561J	0002	PC B		1.00
2124-1213500	CAP FXD TANT	CSR13E225KP	0268	PC B		1.00
2124-1213600	CAP FXD TANT	CSR13C475KP MIL39003	0268	PC B		2.00
2124-1214000	CAP FXD TANT	CSR13E106KP	0268	PC B		1.00
2124-1214600	CAP FXD	CK06BX224K MILC1101	0268	PC B		1.00
2124-1214700	CAP FXD	CK06BX105K MILC1101	0268	PC B		6.00
2124-1216400	CAP FXD TANT	CSR13D335KP	0268	PC B		8.00
2124-1218200	CAP FXD	8111-050-C0G-120J	0002	PC B		2.00
2124-1300100	RF CHOKE	1025-20 1 MH	0112	PC B		1.00
2124-1300200	RF CHOKE	1025-60 47 MH	0112	PC B		1.00
2124-1300400	RF CHOKE	1025-44 10 MH	0112	PC B		1.00
2124-1301000	RF CHOKE	1025-48 15 MH	0112	PC B		1.00
2124-1301100	RF CHOKE	1025-28 2.2 MH	0112	PC B		1.00
2124-1301200	RF CHOKE	1025-24 1.5 MH	0112	PC B		1.00
2124-1303200	WINDING ASSY (901358SM620760D		0267	PC B		1.00
2124-1501300	FERRITE (2533223SM500456B		0267	PC B		2.00
2124-1501500	FERRITE	4312-020-31060	0586	PC B		1.00
2124-2101000	INTEGRAT CIRC	LM124D/883E		PC B		1.00
2124-2101800	INTEGRAT CIRC	CD4017AF		PC B		1.00
2124-2104400	INTEGRAT CIRC	CD4016AD		PC B		1.00
2124-2104600	INTEGRAT CIRC	LM555H/883E		PC B		1.00
2124-2106100	TRANSISTOR	2N3909 JAN TX		PC B		1.00
2124-2106300	TRANSISTOR	2N2222A JAN TX		PC B		5.00
2124-2106500	TRANSISTOR (6321016)	2N5109 JAN TX		PC B		1.00
2124-2107200	TRANSISTOR	2N3375 JAN TX		PC B		1.00
2124-2107400	TRANSISTOR	BFY90 JAN TX		PC B		1.00
2124-2110100	DIODE (5921209)	1N4148		PC B		15.00
2124-2111100	DIODE MATCHED PAIR	HP5082-2912		PR B		2.00
2124-2112000	DIODE	1N4002		PC B		1.00
2124-3300200	CONNECTOR	UPC2B25P4	0298	PC B		1.00
2124-4148000	SCREEN A4	24414800A FINISH	0310	PC R		1.00
2124-4149000	SCREEN B4	24414900A FINISH	0310	PC R		1.00
2124-4150000	HEAT SINK	24415000 FINISH	0310	PC R		1.00
2124-9237000	FRAME PRE ASSY	24923700 PAINT	1A2A4	0310	PC R	1.00
2124-9424000	PC BOARD S/A	24942400	1A2A4	0310	PC M	1.00

FILTER

BMO2 21249525000 1
16/03/77 1 13711

Filter

SINGLE LEVEL EXPLOSION

צ'יף קטן 709-09

CAT. NO=2124-95-250-00 REV= A NOUN=PC BOARD ASSY

מספר יציג 1=PC מ. U.

REF CODE =1A2A5 0310 REF. DEF=24952500

M/B=M

מספר

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1105700	RESIST FXD	6311100RCR05G103JS MILR3900	0268	PC	B	2.00
2124-1216200	CAP FXD CHIP	50R15W103KT	0557	PC	B	5.00
2124-1300300	RF CHOKE	1025-76 220 MH	0112	PC	B	6.00
2124-1400100	FILTER SSB	24140010A	0310	PC	B	1.00
2124-1400200	FILTER NCW	24140020A	0310	PC	B	1.00
2124-1400600	FILTER	24140060A	0310	PC	B	1.00
2124-2110700	DIODE	HP3081		PC	B	6.00
2124-3300900	CONNECTOR	UPC2B17P4	0298	PC	B	1.00
2124-9425000	PC BOARD S/A	24942500	1A2A5 0310	PC	M	1.00

BM02 21249532000 1

VAD

CONT

16/03/77 1 1DTM

SINGLE LEVEL EXPLOSION

DB-TD TWP T1 3

CAT. NO=2124-95-320-00 REV= A NOUN=PC BOARD ASSY

U. M=PC 1=713 71TD

REF CODE =1A3AZ 0310 REF. DEF=24953200

M/B=M

71TD

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1102600	RESIST FXD	(6311058)RCR05G391JS MILR3900	0268	PC	B	1.00
2124-1103100	RESIST FXD	(6311067)RCR05G621JS MILR3900	0268	PC	B	1.00
2124-1103400	RESIST FXD	(6311065)RCR05G911JS MILR3900	0268	PC	B	1.00
2124-1103600	RESIST FXD	(6311072)RCR05G122JS MILR3900	0268	PC	B	2.00
2124-1103900	RESIST FXD	RCR05G162JS MILR3900	0268	PC	B	1.00
2124-1104600	RESIST FXD	(6311081)RCR05G332JS MILR3900	0268	PC	B	1.00
2124-1105300	RESIST FXD	(6311089)RCR05G682JS MILR3900	0268	PC	B	2.00
2124-1105500	RESIST FXD	(6311091)RCR05G822JS MILR3900	0268	PC	B	1.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC	B	1.00
2124-1105900	RESIST FXD	(6311102)RCR05G123JS MILR3900	0268	PC	B	1.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC	B	1.00
2124-1106500	RESIST FXD	(6311107)RCR05G223JS MILR3900	0268	PC	B	2.00
2124-1107100	RESIST FXD	(6311115)RCR05G473JS MILR3900	0268	PC	B	1.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC	B	11.00
2124-1210300	CAP FXD	8121-050-X7R-101J	0002	PC	B	1.00
2124-1210400	CAP FXD	8121-050-X7R-561J	0002	PC	B	1.00
2124-1213600	CAP FXD TANT	C5R13C475KP MIL39003	0268	PC	B	1.00
2124-1226400	CAP FXD	8121-100-X7R-151K	0002	PC	B	1.00
2124-1300200	RF CHOKE	1025-60 47 MH	0112	PC	B	1.00
2124-1501000	FERRITE RING	(2615002)4150100	0310	PC	B	1.00
2124-2103000	INTEGRAT CIRC	SN54LS192J		PC	B	4.00
2124-2103100	INTEGRAT CIRC	SN54LS109J		PC	B	2.00
2124-2103200	INTEGRAT CIRC	SN54LS27J		PC	B	1.00
2124-2103300	INTEGRAT CIRC	SN54S113J		PC	B	1.00
2124-2103500	INTEGRAT CIRC	SN54S10J		PC	B	1.00
2124-2103600	INTEGRAT CIRC	CD4050AF		PC	B	2.00
2124-2105400	INTEGRAT CIRC	SN54S64J		PC	B	1.00
2124-2106300	TRANSISTOR	2N2222A JAN TX		PC	B	4.00
2124-2106400	TRANSISTOR	2N2907A JAN TX		PC	B	1.00
2124-2107000	TRANSISTOR	(6321326)2N4033 JAN TX		PC	B	1.00
2124-2108100	TRANSISTOR	2N918 JAN TX		PC	B	1.00
2124-2110100	DIODE (5921209)	1N4148		PC	B	3.00
2124-3300200	CONNECTOR	UPC2B25P4	0298	PC	B	1.00
2124-5202600	SCREW (5952250)	SAE1-64UNCX1/8"J478A	0268	PC	B	8.00
2124-9234000	FRAME VAD ASSY	24923400 PAINT	1A3AZ 0310	PC	R	1.00
2124-9432000	PC BOARD S/A	24943200	1A3AZ 0310	PC	M	1.00

USB

CONT

BM02 21249533000 1

16/03/77 1 137H

SINGLE LEVEL EXPLOSION

צ'ור קשר תד-09

CAT. NO=2124-95-330-00 REV= A NOUN=PC BOARD ASSY

דברת יצור=1 U. M=PC

REF CODE =1A3A3 0310 REF. DEF=24953300

M/B=M

נתוק

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100300	RESIST FXD	(6311020)RCR05G100JS MILR3900	0268	PC B		1.00
2124-1102700	RESIST FXD	(6311060)RCR05G471JS MILR3900	0268	PC B		2.00
2124-1102800	RESIST FXD	(6311061)RCR05G511JS MILR3900	0268	PC B		1.00
2124-1103300	RESIST FXD	(6311234)RCR05G821JS MILR3900	0268	PC B		1.00
2124-1103400	RESIST FXD	(6311065)RCR05G911JS MILR3900	0268	PC B		1.00
2124-1103600	RESIST FXD	(6311072)RCR05G122JS MILR3900	0268	PC B		1.00
2124-1104400	RESIST FXD	(9011015)RCR05G272JS MILR3900	0268	PC B		5.00
2124-1104900	RESIST FXD	(6311085)RCR05G472JS MILR3900	0268	PC B		2.00
2124-1105000	RESIST FXD	(6311086)RCR05G512JS MILR3900	0268	PC B		1.00
2124-1105300	RESIST FXD	(6311089)RCR05G682JS MILR3900	0268	PC B		2.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC B		1.00
2124-1105900	RESIST FXD	(6311102)RCR05G123JS MILR3900	0268	PC B		4.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC B		1.00
2124-1106500	RESIST FXD	(6311107)RCR05G223JS MILR3900	0268	PC B		4.00
2124-1107100	RESIST FXD	(6311115)RCR05G473JS MILR3900	0268	PC B		2.00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900	0268	PC B		2.00
2124-1108100	RESIST FXD	(6311137)RCR05G274JS MILR3900	0268	PC B		2.00
2124-1109100	RESIST FXD	RCR05G824JS MILR3900	0268	PC B		2.00
2124-1138200	RESIST FXD	RN50D3162F MILR1050	0268	PC E		1.00
2124-1139300	RESIST FXD	RN50D3921F MILR1050	0268	PC B		1.00
2124-1139900	RESIST FXD	RN50D3322F MILR1050	0268	PC B		1.00
2124-1140000	RESIST FXD	RN50D3652F MILR1050	0268	PC B		1.00
2124-1140800	RESIST FXD	RN50D3482F MILR1050	0268	PC B		1.00
2124-1207200	CAP FXD	8101-050-C0J-279J	0002	PC B		2.00
2124-1207300	CAP FXD	8101-050-C0J-229J	0002	PC B		1.00
2124-1207500	CAP FXD	8101-050-C0H-479J	0002	PC B		8.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC B		12.00
2124-1209400	CAP FXD	8121-050-X7R-102K	0002	PC B		8.00
2124-1209600	CAP FXD	8121-050-C0G-121J	0002	PC B		4.00
2124-1211100	CAP FXD	8121-100-C0G-390J	0002	PC B		1.00
2124-1213500	CAP FXD TANT	CSR13E225KP	0268	PC B		1.00
2124-1213700	CAP FXD TANT	CSR13F685KP	0268	PC B		2.00

USB.

BMO2 21249533000 1
 16/03/77 1 13TU
 CAT. NO=2124-95-330-00 REV= A NOUN=PC BOARD ASSY
 REF CODE =1A3A3 0310 REF. DEF=24953300

CONT
 צ"ו קשר תד-פ
 דלת יצו"ר 1=PC M. U.
 בק"מ M/B=M

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1214100	CAP FXD TANT	CSR13G475KF	0268	PC B		1.00
2124-1214600	CAP FXD	CK06BX224K MILC1101	0268	PC B		1.00
2124-1214700	CAP FXD	CK06BX105K MILC1101	0268	PC B		1.00
2124-1216700	CAP FXD	8101-100-COH-689J	0002	PC B		2.00
2124-1218300	CAP FXD	8111-050-COG-100J	0002	PC B		2.00
2124-1218600	CAP FXD	8131-050-X7R-473K	0002	PC B		1.00
2124-1219600	CAP FXD	8101-050-COH-829J	0268	PC B		2.00
2124-1219900	CAP VAR (0.35-3.5	JMC4702 WITH NUT	0557	PC B		3.00
2124-1501000	FERRITE RING (24150024150100		0310	PC B		1.00
2124-1501400	CORE (5915002B64290-A0035-X035		0278	PC B		5.00
2124-1501500	FERRITE	4312-020-31060	0586	PC B		1.00
2124-1501700	CORE	T20-10	0589	PC B		5.00
2124-2102800	INTEGRAT CIRC(562106LM105H			PC B		1.00
2124-2106300	TRANSISTOR	2N2222A JAN TX		PC B		1.00
2124-2106400	TRANSISTOR	2N2907A JAN TX		PC B		4.00
2124-2107000	TRANSISTOR (63213262N4033			PC B		1.00
2124-2107400	TRANSISTOR	BFY90 JAN TX		PC B		4.00
2124-2108200	TRANSISTOR	3N187 JAN TX		PC B		1.00
2124-2110100	DIODE (5921209)	1N4148		PC B		2.00
2124-2111500	PIN DIODE	HP5082-3039		PC B		4.00
2124-2200200	CRYSTAL 114.6 MHZ	24220020A	0310	PC B		1.00
2124-2200300	CRYSTAL 104.1 MHZ	24220030A	0310	PC B		1.00
2124-3300900	CONNECTOR	UFC2B17P4	0298	PC B		1.00
2124-3301000	CONNECTOR	51-453-0000	0001	PC B		1.00
2124-3301200	TERMINAL (6333078)	24330120	0310	PC B		4.00
2124-4147000	TRAFD-BUSHING	24414700A	0310	PC B		1.00
2124-4159000	SCREEN A3	24415900A FINISH	0310	PC R		1.00
2124-4160000	SCREEN B3	24416000A FINISH	0310	PC R		1.00
2124-4161000	SCREEN C3	24416100 FINISH	0310	PC R		1.00
2124-4162000	SCREEN D3	24416200 FINISH	0310	PC R		1.00
2124-5105000	NUT (5951100)	SAE1-64UNC HEX	0268	PC B		1.00
2124-5202600	SCREW (5952250)	SAE1-64UNCX1/8" J478A	0268	PC B		7.00

BMO2 21249534000 1
 16/03/77 I 137J
 CAT. NO=2124-95-340-00 REV= A NOUN=PC BOARD ASSY
 REF CODE =1A3A4 0310 REF. DEF=24953400

LOL
 L
 SINGLE LEVEL EXPLOSION

CONT
 09-77 777 777
 U. M=PC 1=777 777
 M/B=M 7777

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100400	RESIST FXD	RCR05G150JS MILR3900		0268	PC B	1.00
2124-1101500	RESIST FXD	(6311045)RCR05G101JS MILR3900		0268	PC B	1.00
2124-1101700	RESIST FXD	(6311049)RCR05G151JS MILR3900		0268	PC B	1.00
2124-1103500	RESIST FXD	(6311070)RCR05G102JS MILR3900		0268	PC B	2.00
2124-1103700	RESIST FXD	(6311073)RCR05G132JS MILR3900		0268	PC B	1.00
2124-1103800	RESIST FXD	(6311074)RCR05G152JS MILR3900		0268	PC B	1.00
2124-1104300	RESIST FXD	(6311078)RCR05G242JS MILR3900		0268	PC B	1.00
2124-1104400	RESIST FXD	(9011015)RCR05G272JS MILR3900		0268	PC B	2.00
2124-1104700	RESIST FXD	(6311083)RCR05G392JS MILR3900		0268	PC B	1.00
2124-1105100	RESIST FXD	(6311087)RCR05G542JS MILR3900		0268	PC B	1.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900		0268	PC B	2.00
2124-1105900	RESIST FXD	(6311102)RCR05G123JS MILR3900		0268	PC B	1.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900		0268	PC B	1.00
2124-1106500	RESIST FXD	(6311107)RCR05G223JS MILR3900		0268	PC B	2.00
2124-1106600	RESIST FXD	RCR05G243JS MILR3900		0268	PC B	2.00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900		0268	PC B	2.00
2124-1206000	CAP FXD	8131-050-X7R-104K		0002	PC B	1.00
2124-1209200	CAP FXD	8121-050-C0G-560J		0002	PC B	2.00
2124-1209300	CAP FXD	8121-050-X7R-103K		0002	PC B	7.00
2124-1209400	CAP FXD	8121-050-X7R-102K		0002	PC B	1.00
2124-1209800	CAP FXD	8121-050-C0G-102J		0002	PC B	1.00
2124-1213500	CAP FXD TANT	CSR13E225KP		0268	PC B	1.00
2124-1214000	CAP FXD TANT	CSR13E106KP		0268	PC B	1.00
2124-1214600	CAP FXD	CK06BX224K MILC1101		0268	PC B	2.00
2124-1501200	FERRITE	4322-021-31700		0586	PC B	1.00
2124-1503400	FERRITE	4322-022-41811		0278	PC B	1.00
2124-2102500	INTEGRAT CIRC	CD4046AD			PC B	1.00
2124-2103700	INTEGRAT CIRC	MC14522AL			PC B	2.00
2124-2103800	INTEGRAT CIRC	CD4018AF			PC B	1.00
2124-2103900	INTEGRAT CIRC	CD4013AF			PC B	1.00
2124-2104000	INTEGRAT CIRC	CD4024AF			PC B	1.00
2124-2104100	INTEGRAT CIRC	CD4025AF			PC B	1.00
2124-2104200	INTEGRAT CIRC	CD4023AF			PC B	1.00
2124-2106300	TRANSISTOR	2N2222A JAN TX			PC B	2.00
2124-2107100	TRANSISTOR	2N3821 JAN TX			PC B	1.00
2124-2107500	TRANSISTOR	(5921104)2N730 JAN TX			PC B	1.00
2124-2110100	DIODE (5921209)	1N4148			PC B	1.00
2124-2110500	DIODE (5921201)	1N914 SMALL			PC B	1.00
2124-2111400	DIODE VARICAP	MV1403			PC B	2.00
2124-9300200	CONNECTOR	UFC2B25P4		0298	PC B	1.00
2124-9202600	SCREW (5952250)	SAE1-6AUNCX178"J478A		0268	PC B	8.00
2124-9247000	FRAME LOL ASSY	24924700 PAINT	1A3A4 0310		PC R	1.00
2124-9434000	PC BOARD S/A	24943400	1A3A4 0310		PC M	1.00

SUM

BM02 21249535000 1 CONT
 16/03/77 1 10TH SINGLE LEVEL EXPLOSION 05-TH קשר 110
 CAT. NO=2124-95-350-00 REV= A NOLIN=PC BOARD ASSY U. M=PC 1=7107 דבר
 REF CODE =1A3A5 0310 REF. DEF=24953500 M/B=M 7107

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1101000	RESIST FXD	(6311030)RCR05G510JS MILR3900	0268	PC	B	2.00
2124-1101100	RESIST FXD	(6311032)RCR05G680JS MILR3900	0268	PC	B	1.00
2124-1101500	RESIST FXD	(6311045)RCR05G101JS MILR3900	0268	PC	B	2.00
2124-1101700	RESIST FXD	(6311049)RCR05G151JS MILR3900	0268	PC	B	1.00
2124-1102000	RESIST FXD	(6311052)RCR05G201JS MILR3900	0268	PC	B	2.00
2124-1102300	RESIST FXD	(6311055)RCR05G271JS MILR3900	0268	PC	B	1.00
2124-1102700	RESIST FXD	(6311060)RCR05G471JS MILR3900	0268	PC	B	1.00
2124-1103100	RESIST FXD	(6311067)RCR05G621JS MILR3900	0268	PC	B	1.00
2124-1103200	RESIST FXD	(6311066)RCR05G681JS MILR3900	0268	PC	B	1.00
2124-1103400	RESIST FXD	(6311065)RCR05G911JS MILR3900	0268	PC	B	1.00
2124-1103800	RESIST FXD	(6311074)RCR05G152JS MILR3900	0268	PC	B	1.00
2124-1104000	RESIST FXD	(6311075)RCR05G182JS MILR3900	0268	PC	B	1.00
2124-1104100	RESIST FXD	(6311076)RCR05G202JS MILR3900	0268	PC	B	2.00
2124-1104200	RESIST FXD	(6311157)RCR05G222JS MILR3900	0268	PC	B	2.00
2124-1104300	RESIST FXD	(6311078)RCR05G242JS MILR3900	0268	PC	B	1.00
2124-1104400	RESIST FXD	(9011015)RCR05G272JS MILR3900	0268	PC	B	3.00
2124-1104500	RESIST FXD	(6311080)RCR05G302JS MILR3900	0268	PC	B	2.00
2124-1104600	RESIST FXD	(6311081)RCR05G332JS MILR3900	0268	PC	B	2.00
2124-1104700	RESIST FXD	(6311083)RCR05G392JS MILR3900	0268	PC	B	1.00
2124-1104800	RESIST FXD	(6311084)RCR05G432JS MILR3900	0268	PC	B	2.00
2124-1104900	RESIST FXD	(6311085)RCR05G472JS MILR3900	0268	PC	B	1.00
2124-1105100	RESIST FXD	(6311087)RCR05G562JS MILR3900	0268	PC	B	1.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC	B	7.00
2124-1105900	RESIST FXD	(6311102)RCR05G123JS MILR3900	0268	PC	B	2.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC	B	1.00
2124-1106300	RESIST FXD	(6311105)RCR05G183JS MILR3900	0268	PC	B	1.00
2124-1106400	RESIST FXD	(6311106)RCR05G203JS MILR3900	0268	PC	B	2.00
2124-1106500	RESIST FXD	(6311107)RCR05G223JS MILR3900	0268	PC	B	6.00
2124-1106700	RESIST FXD	(6311109)RCR05G273JS MILR3900	0268	PC	B	1.00
2124-1106800	RESIST FXD	(6311110)RCR05G303JS MILR3900	0268	PC	B	1.00
2124-1106900	RESIST FXD	(6311111)RCR05G333JS MILR3900	0268	PC	B	1.00
2124-1107100	RESIST FXD	(6311115)RCR05G473JS MILR3900	0268	PC	B	2.00

REF

BMOZ 21249534000 1

CONT

16/03/77 1 10TU

SINGLE LEVEL EXPLOSION

צ'י'וד ק'ו'מ'ר ת'ד-09

CAT. NO=2124-95-360-00 REV= A NOUN=PC BOARD ASSY

ד'ר'ת י'צ'ו'ר 1=PC M

REF CODE =1A3A6 0310 REF. DEF=24953400

M/B=M

ב'ת'ו'ק

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100700	RESIST FXD	(6311026)RCR05G270JS MILR3900	0268	PC B		1.00
2124-1102000	RESIST FXD	(6311052)RCR05G201JS MILR3900	0268	PC B		1.00
2124-1102700	RESIST FXD	(6311060)RCR05G471JS MILR3900	0268	PC B		1.00
2124-1103400	RESIST FXD	(6311065)RCR05G911JS MILR3900	0268	PC B		1.00
2124-1103500	RESIST FXD	(6311070)RCR05G102JS MILR3900	0268	PC B		2.00
2124-1103800	RESIST FXD	(6311074)RCR05G152JS MILR3900	0268	PC B		1.00
2124-1104600	RESIST FXD	(6311081)RCR05G832JS MILR3900	0268	PC B		1.00
2124-1104800	RESIST FXD	(6311084)RCR05G432JS MILR3900	0268	PC B		1.00
2124-1105000	RESIST FXD	(6311086)RCR05G512JS MILR3900	0268	PC B		1.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC B		1.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC B		1.00
2124-1106800	RESIST FXD	(6311110)RCR05G303JS MILR3900	0268	PC B		2.00
2124-1107100	RESIST FXD	(6311115)RCR05G473JS MILR3900	0268	PC B		1.00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900	0268	PC B		3.00
2124-1108500	RESIST FXD	(6311148)RCR05G105JS MILR3900	0268	PC B		1.00
2124-1206000	CAP FXD	8131-050-X7R-104K	0002	PC B		1.00
2124-1209200	CAP FXD	8121-050-C0G-560J	0002	PC B		2.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC B		9.00
2124-1209500	CAP FXD	8121-050-C0G-151J	0002	PC B		1.00
2124-1209700	CAP FXD	8121-050-C0G-270J	0002	PC B		3.00
2124-1211200	CAP FXD	8121-100-C0G-331J	0002	PC B		1.00
2124-1213800	CAP FXD TANT	CSR13E156KP	0268	PC B		1.00
2124-1216600	CAP FXD	8101-100-C0J-339J	0002	PC B		1.00
2124-1218300	CAP FXD	8111-050-C0G-100J	0002	PC B		1.00
2124-1219400	CAP FXD	8111-050-C0G-150J	0268	PC B		1.00
2124-1219500	CAP FXD	8101-050-C0H-569J	0268	PC B		1.00
2124-1219600	CAP FXD	8101-050-C0H-829J	0268	PC B		1.00
2124-1219700	CAP FXD	CK06BX474K MILC1101	0268	PC B		1.00
2124-1300200	RF CHOKE	1025-60 47 MH	0112	PC B		1.00
2124-1301300	RF CHOKE	1025-52 22 MH	0112	PC B		1.00
2124-1501000	FERRITE RING	(261500)24150100	0310	PC B		1.00
2124-1501900	CORE	T30-2	0589	PC B		2.00
2124-2102200	INTEGRAT CIRC	CD4001AF		PC B		1.00
2124-2103900	INTEGRAT CIRC	CD4013AF		PC B		3.00
2124-2104000	INTEGRAT CIRC	CD4024AF		PC B		1.00
2124-2104200	INTEGRAT CIRC	CD4023AF		PC B		1.00
2124-2106300	TRANSISTOR	2N2222A JAN TX		PC B		3.00
2124-2108600	TRANSISTOR	2N3330		PC B		1.00
2124-2110500	DIODE (5921201)	1N914 SMALL		PC B		2.00
2124-3300900	CONNECTOR	UPC2B17P4	0298	PC B		1.00
2124-4147000	TRAF0-BUSHING	24414700A	0310	PC B		3.00
2124-5101000	NUT	NAS671-2	0268	PC B		2.00
2124-5105600	NUT (5951100)	SAE1-64UNC HEX	0268	PC B		3.00
2124-5202600	SCREW (5952250)	SAE1-64UNCX1/8"J478A	0268	PC B		7.00
2124-5202900	SCREW PAN HEAD	SAE1-64UNCX3/8"J478A	0268	PC B		3.00
2124-5210600	SCREW	MS51957-3	0268	PC B		2.00
2124-5302000	WASHER FLAT	MS15795-80Z	0268	PC B		2.00
2124-5306000	WASHER	MS35338-134	0268	PC B		2.00

13 N77 B"PM

VCP

BM02 21249531000 1

CONT

16/03/77 1 1DTJ

SINGLE LEVEL EXPLOSION

צ"ד ת"פ-09

CAT. NO=2124-95-310-00 REV= A NOUN=PC BOARD ASSY

סדרת יצוא=1 M=PC

REF CODE =1A3A1 0310 REF. DEF=24953100

M/B=M

מיקוד

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100500	RESIST FXD	(6311025)RCR05G220JS MILR3900	0268	PC	B	1.00
2124-1100800	RESIST FXT	(6311027)RCR05G330JS MILR3900	0268	PC	B	1.00
2124-1101000	RESIST FXD	(6311030)RCR05G510JS MILR3900	0268	PC	B	1.00
2124-1101100	RESIST FXD	(6311032)RCR05G480JS MILR3900	0268	PC	B	2.00
2124-1101700	RESIST FXD	(6311049)RCR05G151JS MILR3900	0268	PC	B	1.00
2124-1102100	RESIST FXD	(6311053)RCR05G221JS MILR3900	0268	PC	B	1.00
2124-1102300	RESIST FXD	(6311055)RCR05G271JS MILR3900	0268	PC	B	1.00
2124-1102500	RESIST FXD	(6311057)RCR05G331JS MILR3900	0268	PC	B	3.00
2124-1102600	RESIST FXD	(6311058)RCR05G391JS MILR3900	0268	PC	B	1.00
2124-1102700	RESIST FXD	(6311060)RCR05G471JS MILR3900	0268	PC	B	4.00
2124-1103200	RESIST FXD	(6311066)RCR05G481JS MILR3900	0268	PC	B	1.00
2124-1103500	RESIST FXD	(6311070)RCR05G102JS MILR3900	0268	PC	B	3.00
2124-1103800	RESIST FXD	(6311074)RCR05G152JS MILR3900	0268	PC	B	3.00
2124-1104300	RESIST FXD	(6311078)RCR05G242JS MILR3900	0268	PC	B	2.00
2124-1104600	RESIST FXD	(6311081)RCR05G332JS MILR3900	0268	PC	B	4.00
2124-1104700	RESIST FXD	(6311083)RCR05G392JS MILR3900	0268	PC	B	3.00
2124-1104800	RESIST FXD	(6311084)RCR05G432JS MILR3900	0268	PC	B	1.00
2124-1104900	RESIST FXD	(6311085)RCR05G472JS MILR3900	0268	PC	B	2.00
2124-1105000	RESIST FXD	(6311086)RCR05G512JS MILR3900	0268	PC	B	2.00
2124-1105100	RESIST FXD	(6311087)RCR05G542JS MILR3900	0268	PC	B	1.00
2124-1105500	RESIST FXD	(6311091)RCR05G822JS MILR3900	0268	PC	B	3.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC	B	6.00
2124-1105900	RESIST FXD	(6311102)RCR05G123JS MILR3900	0268	PC	B	1.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC	B	1.00
2124-1106700	RESIST FXD	(6311109)RCR05G273JS MILR3900	0268	PC	B	1.00
2124-1106900	RESIST FXD	(6311111)RCR05G333JS MILR3900	0268	PC	B	6.00
2124-1107000	RESIST FXD	(6311113)RCR05G393JS MILR3900	0268	PC	B	2.00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900	0268	PC	B	1.00
2124-1108200	RESIST FXD	RCR05G334JS MILR3900	0268	PC	B	1.00
2124-1108300	RESIST FXD	RCR05G394JS MILR3900	0268	PC	B	1.00
2124-1108400	RESIST FXD	(6311094)RCR05G474JS MILR3900	0268	PC	B	1.00
2124-1110500	RESIST FXD	RCR05G364JS MILR3900	0268	PC	B	1.00
2124-1130100	RESIST FXD	RN50D1243F MILR1050	0268	PC	B	1.00
2124-1130200	RESIST FXD	RN50D3093F MILR1050	0268	PC	B	1.00
2124-1135100	RESIST FXD	RN50D1781F MILR1050	0268	PC	B	1.00
2124-1135200	RESIST FXD	RN50D1691F MILR1050	0268	PC	B	1.00
2124-1135300	RESIST FXD	RN50D1741F MILR1050	0268	PC	B	1.00
2124-1135400	RESIST FXD	RN50D1821F MILR1050	0268	PC	B	1.00
2124-1135500	RESIST FXD	RN50D1871F MILR1050	0268	PC	B	1.00
2124-1135600	RESIST FXD	RN50D2000F MILR1050	0268	PC	B	1.00
2124-1135700	RESIST FXD	RN50D1003F MILR1050	0268	PC	B	1.00
2124-1136800	RESIST FXD	RN50D3320F MILR1050	0268	PC	B	1.00
2124-1137100	RESIST FXD	RN50D2432F MILR1050	0268	PC	B	1.00
2124-1137200	RESIST FXD	RN50D8252F MILR1050	0268	PC	B	1.00
2124-1137300	RESIST FXD	RN50D75R0F MILR1050	0268	PC	B	1.00
2124-1138700	RESIST FXD	RN50D4242F MILR1050	0268	PC	B	1.00
2124-1139100	RESIST FXD	RN50D2052F MILR1050	0268	PC	B	1.00
2124-1139200	RESIST FXD	RN50D2262F MILR1050	0268	PC	B	1.00

BM02 21249531000 1

VCP

CONT

16/03/77 1 107B

SINGLE LEVEL EXPLOSION

DS-TR WHP 711Z

CAT. NO=2124-95-310-00 REV= A NOUN=PC BOARD ASSY

U. M=PC 1=711Z 711Z

REF CODE =1A3A1 0310 REF. DEF=24953100

M/B=M

711Z

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1139300	RESIST FXD	RN50D2372F MILR1050	0268	PC B		1.00
2124-1139700	RESIST FXD	RN50D6982F MILR1050	0268	PC B		2.00
2124-1140200	RESIST FXD	RN50D1962F MILR1050	0268	PC B		1.00
2124-1140300	RESIST FXD	RN50D2152F MILR1050	0268	PC B		1.00
2124-1140500	RESIST FXD	RN50D6042F MILR1050	0268	PC B		1.00
2124-1140600	RESIST FXD	RN50D6342F MILR1050	0268	PC B		1.00
2124-1140700	RESIST FXD	RN50D6652F MILR1050	0268	PC B		1.00
2124-1140900	RESIST FXD	RN50D5762F MILR1050	0268	PC B		1.00
2124-1206000	CAP FXD	8131-050-X7R-104K	0002	PC B		7.00
2124-1209200	CAP FXD	8121-050-C0G-560J	0002	PC B		1.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC B		13.00
2124-1209400	CAP FXD	8121-050-X7R-102K	0002	PC B		2.00
2124-1209500	CAP FXD	8121-050-C0G-151J	0002	PC B		1.00
2124-1209600	CAP FXD	8121-050-C0G-121J	0002	PC B		1.00
2124-1209800	CAP FXD	8121-050-C0G-102J	0002	PC B		1.00
2124-1210200	CAP FXD	8121-050-C0G-221J	0002	PC B		10.00
2124-1213600	CAP FXD TANT	CSR13C475KF MIL39003	0268	PC B		2.00
2124-1218200	CAP FXD	8111-050-C0G-120J	0002	PC B		1.00
2124-1219600	CAP FXD	8101-050-C0H-829J	0268	PC B		1.00
2124-1226700	CAP FXD	8141-050-C0G-103J		PC *		1.00
2124-1300400	RF CHOKE	1025-44 10 MH	0112	PC B		1.00
2124-1303100	TRANSFORMER ASSY	SM449007B (9013547)	0267	PC B		1.00
2124-1304400	COIL	24130440	0310	PC M		2.00
2124-1400400	MIXER	TSM1 MCL		PC B		1.00
2124-1400500	FILTER	1250-003	0002	PC B		1.00
2124-1501300	FERRITE	(2533223SM500456B	0267	PC B		1.00
2124-1501400	CORE	(5915002B64290-A0035-X035	0278	PC B		4.00
2124-1501700	CORE	T20-10	0589	PC B		3.00
2124-1501800	CORE	T20-6	0589	PC B		2.00
2124-2102700	INTEGRAT CIRC	CD4066AD		PC B		1.00
2124-2102900	INTEGRAT CIRC	CA3049T/2		PC B		1.00
2124-2106200	TRANSISTOR	2N4416 JAN TX		PC B		1.00
2124-2107400	TRANSISTOR	BFY90 JAN TX		PC B		3.00
2124-2107500	TRANSISTOR	(59211042N930 JAN TX		PC B		2.00
2124-2107700	TRANSISTOR	2N3089A JAN TX		PC B		1.00
2124-2107800	TRANSISTOR	(56210242N2605 JAN TX		PC B		1.00
2124-2108000	TRANSISTOR	2N3811 JAN TX		PC B		1.00
2124-2108400	TRANSISTOR	4X2N2222A JAN TX		PC B		2.00
2124-2110100	DIODE (5921209)	1N4148		PC B		6.00
2124-2111300	DIODE (5921209)	BB105B		PC B		2.00
2124-3301000	CONNECTOR	51-453-0000	0001	PC B		1.00
2124-3301100	CONNECTOR	UPC2B33P4	0298	PC B		1.00
2124-4147000	TRAFD-BUSHING	24414700A	0310	PC B		4.00
2124-4163000	SCREEN A6	24416300 FINISH	0310	PC R		1.00
2124-4164000	SCREEN B6	24416400 FINISH	0310	PC R		1.00
2124-4165000	SCREEN C6	24416500 FINISH	0310	PC R		1.00
2124-4166000	SCREEN D6	24416600 FINISH	0310	PC R		1.00
2124-4167000	SCREEN E6	24416700 FINISH	0310	PC R		1.00

BMO2 21249537000 1

VCP

16/03/77 1 13TU

SINGLE LEVEL EXPLOSION

05-77 777 71 2

CAT. NO=2124-95-370-00 REV= A NOUN=PC BOARD ASSY

U. M=PC 1=777 71 2

REF CODE =1A3A110310 REF. DEF=24953700

M/B=M

777 71 2

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1102000	RESIST FXD (6311052)	RCR05G201JS MILR3900	0268	PC	B	1.00
2124-2112900	DIODE ZENER	1N759A JAN	0268	PC	B	1.00
2124-3301100	CONNECTOR	UPC2B33P4	0298	PC	B	1.00
2124-9437000	PC BOARD S/A	24943700	1A3A110310	PC	M	1.00

BM02 21249585000 1 VCP CONT
 16/03/77 J DTH SINGLE LEVEL EXPLOSION DB-TN TWP T1'3
 CAT. NO-2124-95-850-00 REV- A NOUN-PC BOARD ASSY U. M-PC 1-713' דלת
 REF CODE -1A3B120310 REF. DEF-24908000 M/B-H 9P103

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100800	RESIST FXD	(6311020)RCR050100JS MILR3900	0268	FC	B	1.00
2124-1101000	RESIST FXD	(6311050)RCR050100JS MILR3900	0268	FC	B	1.00
2124-1103800	RESIST FXD	(6311074)RCR050102JS MILR3900	0268	FC	B	1.00
2124-1104600	RESIST FXD	(6311081)RCR05032JS MILR3900	0268	FC	B	1.00
2124-1106100	RESIST FXD	(6311103)RCR050103JS MILR3900	0268	FC	B	1.00
2124-1107600	RESIST FXD	(6311130)RCR050104JS MILR3900	0268	FC	B	1.00
2124-1139800	RESIST FXD	RNG003921F MILR1000	0268	FC	B	1.00
2124-1140100	RESIST FXD	RNG002212F MILR1000	0268	FC	B	1.00
2124-1209300	CAP FXD	8121-050-X7R-10K	0002	FC	B	3.00
2124-1210300	CAP FXD	8121-050-X7R-101J	0002	FC	B	1.00
2124-1213500	CAP FXD TANT	CSR13E220K	0268	FC	B	2.00
2124-1213600	CAP FXD TANT	CSR13C475K MILR3900	0268	FC	B	1.00
2124-1213900	CAP FXD TANT	CSR13B100K	0268	FC	B	1.00
2124-1214600	CAP FXD	C10159224K MILC1101	0268	FC	B	1.00
2124-1304000	COIL	24130400	1A3B120310	FC	M	2.00
2124-2102800	INTEGRAT CIRC	(562106)LM100H		FC	B	1.00
2124-2106300	TRANSISTOR	2N2222A JAN TX		FC	B	1.00
2124-2107000	TRANSISTOR	(6321326)2N4033 JAN TX		FC	B	1.00
2124-2110100	DIODE (5921209)	1N4148		FC	B	1.00
2124-9485000	PC BOARD S/A	24948500	1A3B120310	FC	M	1.00

BM02 21249586000 1

VCP

16/09/77 1 1DTU

SINGLE LEVEL EXPLOSION

DS-TM TWP T112

CAT. NO-2124-95-860-00 REV- A NOUN-PC BOARD ASSY

U. M-PC 1-7113 RTTD

REF CODE -1A3B130310 REF. DEF-24936600

M/B-M

MP113

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1107600	RESIST FXD	(6311130RCR03B104J8 MILR3900		0268	FC B	1.00
2124-1133600	RESIST FXD	RN30D2000F MILR1050		0268	FC B	1.00
2124-1136800	RESIST FXD	RN30D3320F MILR1050		0268	FC B	1.00
2124-1136900	RESIST FXD	RN30D1300F MILR1050		0268	FC B	1.00
2124-1206000	CAP FXD	8131-050-X7R-104K		0002	FC B	1.00
2124-1209300	CAP FXD	8121-050-X7R-103K		0002	FC B	1.00
2124-1209800	CAP FXD	8121-050-C0G-102J		0002	FC B	1.00
2124-1211200	CAP FXD	8121-100-C0G-331J		0002	FC B	1.00
2124-1213800	CAP FXD TANT	CSR13E1G6KP		0268	FC B	1.00
2124-1214800	CAP FXD POLYC.	CHR01B 0.1MF 30V 2 P			FC B	2.00
2124-1214900	CAP FXD POLYC.	CHR01B .027MF 30V 2			FC B	2.00
2124-1304100	COIL	24130410	1A3B130310		FC M	1.00
2124-1304200	COIL	24130420	1A3B130310		FC M	2.00
2124-1303400	FERRITE	4322-022-41811		0278	FC B	2.00
2124-9486000	PC BOARD S/A	24948600	1A3B130310		FC M	1.00

BM02 21249587000 1

VCP

CONT

16/03/77 1 137U

SINGLE LEVEL EXPLOSION

DB-TR TWP T113

CAT. NO-2124-95-870-00 REV- A NOUN-PC BOARD ASSY

U. M-PC 1-713' RTD

REF CODE -1A3B140310 REF. DEF-24902700

M/B-M

TR113

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1100700	RESIST FXD	(6311026)RCR05G270J8 MILR3900	0268	FC	B	1.00
2124-1104200	RESIST FXD	(6311107)RCR05G222J8 MILR3900	0268	FC	B	1.00
2124-1104600	RESIST FXD	(6311081)RCR05G332J8 MILR3900	0268	FC	B	1.00
2124-1105700	RESIST FXD	(6311100)RCR05G103J8 MILR3900	0268	FC	B	1.00
2124-1106600	RESIST FXD	RCR05G243J8 MILR3900	0268	FC	B	1.00
2124-1106800	RESIST FXD	(6311110)RCR05G303J8 MILR3900	0268	FC	B	2.00
2124-1106900	RESIST FXD	(6311111)RCR05G333J8 MILR3900	0268	FC	B	1.00
2124-1107000	RESIST FXD	(6311113)RCR05G393J8 MILR3900	0268	FC	B	1.00
2124-1109000	RESIST FXD	RCR05G363J8 MILR3900	0268	FC	B	1.00
2124-1123200	RESIST FXD	(3111028)RCR07G222J8 MILR3900	0268	FC	B	1.00
2124-1206000	CAP FXD	8131-050-X7R-104K	0002	FC	B	1.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	FC	B	2.00
2124-1219700	CAP FXD TANT	CSR13F653KF	0268	FC	B	2.00
2124-2107700	TRANSISTOR	2N3486A JAN TX		FC	B	2.00
2124-2108600	TRANSISTOR	2N5582		FC	B	2.00
2124-2110100	DIODE (J921209)	1N4148		FC	B	2.00
2124-2111200	DIODE (6321216)	1N825A		FC	B	1.00
2124-9487000	PC BOARD S/A	24948700	1A3B140310	FC	M	1.00

BM02 21249588000 1

VOP

CONT

16/03/77 3 107H

SINGLE LEVEL EXPLOSION

DS-TM TWP TTD

CAT. NO-2124-95-880-00 REV- A NOUN-PC BOARD ASSY

U. M-PC 1-715" TTD

REF CODE -1A3B150310 REF. DEF-24908800

M/B-M

MP111

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1104100	RESIST FXD	(6311076)RCR050202JS MILR3900	0268	FC	B	1.00
2124-1105700	RESIST FXD	(6311100)RCR050103JS MILR3900	0268	FC	B	1.00
2124-1105900	RESIST FXD	(6311102)RCR050123JS MILR3900	0268	FC	B	2.00
2124-1106800	RESIST FXD	(6311110)RCR050303JS MILR3900	0268	FC	B	1.00
2124-1106900	RESIST FXD	(6311111)RCR050333JS MILR3900	0268	FC	B	1.00
2124-1107000	RESIST FXD	(6311113)RCR050393JS MILR3900	0268	FC	B	1.00
2124-1109500	RESIST FXD	RCR050343JS MILR3900	0268	FC	B	1.00
2124-1109600	RESIST FXD	RCR050433JS MILR3900	0268	FC	B	1.00
2124-1206000	CAP FXD	8131-050-X7R-104K	0002	FC	B	2.00
2124-1209200	CAP FXD	8121-050-C0G-560J	0002	FC	B	1.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	FC	B	3.00
2124-1210200	CAP FXD	8121-050-C0G-221J	0002	FC	B	1.00
2124-1211100	CAP FXD	8121-100-C0G-390J	0002	FC	B	2.00
2124-1213500	CAP FXD TANT.	C9R13E220KP	0268	FC	B	1.00
2124-1300300	RF CHOKE	1025-76 220 MH	0112	FC	B	1.00
2124-2102600	INTEGRAT CIRC	MC14001AL		FC	B	1.00
2124-2107900	TRANSISTOR	2N3486A JAN TX		FC	B	1.00
2124-2110100	DIODE (5921209)	1N4148		FC	B	2.00
2124-3301200	TERMINAL (6333078)	24330120	0310	FC	B	1.00
2124-9488000	PC BOARD 3/A	24948800	1A3B150310	FC	M	1.00

BMO2 21249540000 1 P.S. CONT
 16/03/77 1 13TU SINGLE LEVEL EXPLOSION 09-TH קשר יצו
 CAT. NO=2124-95-400-00 REV= A NOUN=PC BOARD ASSY U. M=PC 1=717 יצו
 REF CODE =1A4 0310 REF. DEF=24954000 M/E=M בנזק

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/E	G/CON.
2124-1103100	RESIST FXD	(6311067)RCR05G621JS MILR3900	0268	PC B		2.00
2124-1104000	RESIST FXD	(6311075)RCR05G182JS MILR3900	0268	PC B		1.00
2124-1104500	RESIST FXD	(6311080)RCR05G302JS MILR3900	0268	PC B		3.00
2124-1104700	RESIST FXD	(6311083)RCR05G392JS MILR3900	0268	PC B		2.00
2124-1105000	RESIST FXD	(6311086)RCR05G512JS MILR3900	0268	PC B		2.00
2124-1105100	RESIST FXD	(6311087)RCR05G542JS MILR3900	0268	PC B		2.00
2124-1105200	RESIST FXD	RCR05G622JS MILR3900	0268	PC B		1.00
2124-1105600	RESIST FXD	(6311092)RCR05G912JS MILR3900	0268	PC B		1.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC B		2.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC B		3.00
2124-1106400	RESIST FXD	(6311106)RCR05G203JS MILR3900	0268	PC B		2.00
2124-1107000	RESIST FXD	(6311113)RCR05G393JS MILR3900	0268	PC B		1.00
2124-1107100	RESIST FXD	(6311115)RCR05G473JS MILR3900	0268	PC B		1.00
2124-1108700	RESIST FXD	RCR05G205JS MILR3900	0268	PC B		1.00
2124-1110000	RESIST FXD	RCR05G623JS MILR3900	0268	PC B		1.00
2124-1110400	RESIST FXD	RCR05G200JS MILR3900	0268	PC B		2.00
2124-1120700	RESIST FXD	(2511070)RCR07G270JS MILR3900	0268	PC B		2.00
2124-1121600	RESIST FXD	(2511052)RCR07G161JS MILR3900	0268	PC B		1.00
2124-1121800	RESIST FXD	(2511099)RCR07G561JS MILR3900	0268	PC B		1.00
2124-1122200	RESIST FXD	RCR07G361JS MILR3900	0268	PC B		2.00
2124-1122300	RESIST FXD	(6311196)RCR07G681JS MILR3900	0268	PC B		1.00
2124-1122400	RESIST FXD	RCR07G751JS MILR3900	0268	PC B		2.00
2124-1122800	RESIST FXD	(3111025)RCR07G152JS MILR3900	0268	PC B		1.00
2124-1123300	RESIST FXD	RCR07G562JS MILR3900	0268	PC B		1.00
2124-1124400	RESIST FXD	(2511097)RCR07G512JS MILR3900	0268	PC B		2.00
2124-1131200	RESIST FXD	RN55D5111F MILR1050	0268	PC B		1.00
2124-1131300	RESIST FXD	RN55D1211F MILR1050	0268	PC B		1.00
2124-1131400	RESIST FXD	RN55D3652F MILR1050	0268	PC B		1.00
2124-1131500	RESIST FXD	RN55D8061F MILR1050	0268	PC B		1.00
2124-1131600	RESIST FXD	RN55D1872F MILR1050	0268	PC B		1.00
2124-1131800	RESIST FXD	RN55D1432F MILR1050	0268	PC B		1.00
2124-1132000	RESIST FXD	RN55D4641F MILR1050	0268	PC B		1.00

BMO2 21249540000-1
 16/03/77 I 137W
 CAT. NO-2124-95-400-00 REV- A NOUN-PC BOARD ASSY
 REF CODE -184 0310 REF. DEF=24954000

P.S.
 SINGLE LEVEL EXPLOSION
 U. M=PC 1=7107
 M/B=M

CONT
 צ"ו קשר ת"פ-09
 סדרת יצור=1 מ. מ=PC
 בתוקף

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1132100	RESIST FXD	RN55D4751F MILR1050	0268	PC B		1.00
2124-1132200	RESIST FXD	RN55D4671F MILR1050	0268	PC B		1.00
2124-1134000	RESIST FXD	RN55D1422F MILR1050	0268	PC B		1.00
2124-1134100	RESIST FXD	RN55D7961F MILR1050	0268	PC B		1.00
2124-1134200	RESIST FXD	RN55D8161F MILR1050	0268	PC B		1.00
2124-1134300	RESIST FXD	RN55D1892F MILR1050	0268	PC B		1.00
2124-1134400	RESIST FXD	RN55D1452F MILR1050	0268	PC B		1.00
2124-1146200	RESIST FXD (5911280)	WW 0.390HM/1W RS-1A	0036	PC B		2.00
2124-1146300	RESIST FXD (6311776)	RW80UR510F	0268	PC B		1.00
2124-1146400	RESIST FXD (6311777)	RW80UR100F	0268	PC B		1.00
2124-1146500	THERMISTOR (2511216)	SM500938C	0267	PC B		2.00
2124-1150500	RESIST FXD	RCR20G510JS MILR3900	0268	PC B		1.00
2124-1150700	RESIST FXD	RCR20G560JS MILR3900	0268	PC B		2.00
2124-1150800	RESIST FXD	RCR20G111JS MILR3900	0268	PC B		1.00
2124-1150900	RESIST FXD	RCR20G152JS MILR3900	0268	PC B		2.00
2124-1160500	RESIST FXD	RCR07G622JS MILR3900	0268	PC B		1.00
2124-1160700	RESIST FXD	RCR07G4R3JS MILR3900	0268	PC B		2.00
2124-1201200	CAP FXD	8111-200-C06-820J	0002	PC B		1.00
2124-1213800	CAP FXD TANT	CSR13E154KF	0268	PC B		1.00
2124-1213900	CAP FXD TANT	CSR13G105KF	0268	PC B		1.00
2124-1214100	CAP FXD TANT	CSR13G475KF	0268	PC B		3.00
2124-1214700	CAP FXD	CK06BX105K MILC1101	0268	PC B		3.00
2124-1217100	CAP FXD TANT	CSR13D226KF	0268	PC B		3.00
2124-1217200	CAP FXD TANT	CSR13G184KF	0268	PC B		4.00
2124-1217400	CAP FXD	CK05BX104K MILC1101	0268	PC B		2.00
2124-1217600	CAP FXD	CK06BX473K MILC1101	0268	PC B		1.00
2124-1217700	CAP FXD TANT (591256109)	D477X0030T2 30V	0268	PC B		4.00
2124-1217800	CAP FXD TANT (631280130)	D227X0040T2 40V	0268	PC B		5.00
2124-1219700	CAP FXD	CK06BX474K MILC1101	0268	PC B		1.00
2124-1225400	CAP FXD	CK05BX222K MILC1101	0268	PC B		1.00
2124-1501000	FERRITE RING (26150024)	150100	0310	PC B		5.00
2124-1503000	CORE	55930-02		PC B		1.00

BMO2 21249540000 1 P.S. CGNT
 16/03/77 1 13TU SINGLE LEVEL EXPLOSION DE-TN TWP T112
 CAT. NO=2124-95-400-00 REV= A NOUN=PC BOARD ASSY U. M=PC 1=7127 TTD
 REF CODE =1A4 0310 REF. DEF=24954000 M/B=M 7P112

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1503100	CORE	A-206068-2	0592	PC	B	1.00
2124-1503200	CORE	A-050056-2	0592	PC	B	5.00
2124-2104300	INTEGRAT CIRC	MT723		PC	B	1.00
2124-2104600	INTEGRAT CIRC	LM555H/883B		PC	B	1.00
2124-2104700	INTEGRAT CIRC	MT741		PC	B	1.00
2124-2106300	TRANSISTOR	2N2222A		PC	B	5.00
2124-2106400	TRANSISTOR	2N2907A		PC	B	2.00
2124-2107000	TRANSISTOR (63213262N4083			PC	B	3.00
2124-2108000	TRANSISTOR	2N3811		PC	B	1.00
2124-2108300	TRANSISTOR	2N6032		PC	B	1.00
2124-2110100	DIODE (5921209)	1N4148		PC	B	5.00
2124-2111600	DIODE	1N5809		PC	B	2.00
2124-2111700	DIODE ZENER (63212391N967B			PC	B	1.00
2124-2111800	DIODE ZENER	1N965B		PC	B	2.00
2124-2111900	DIODE ZENER	1N752A		PC	B	1.00
2124-2112100	DIODE (31210701N5416			PC	B	1.00
2124-2300100	FUSE	265007		PC	B	1.00
2124-2706000	HYBRID PS POSITIVE	24270600		PC	A	3.00
2124-2707000	HYBRID PS NEGATIVE	24270700		PC	A	1.00
2124-3100400	RELAY	55GB0N-3-A-1.8K		PC	B	1.00
2124-3300200	CONNECTOR	LPC2B25P4		PC	B	1.00
2124-3302200	LUB (6333410)	MS77068-1		PC	B	1.00
2124-4918000	GASKET	24491800A		PC	B	1.00
2124-4919000	GASKET	24491900A		PC	B	1.00
2124-5202700	SCREW (2652037)	720230-021		PC	B	2.00
2124-9440000	PC BOARD S/A	24944000	1A4	PC	M	1.00

BM02 21249560000 1

PA

CONT

16/03/77 I 13TU

SINGLE LEVEL EXPLOSION

דפוס קשר ת"ד 09

CAT. NO=2124-95-600-00 REV= A NCUN=PC BOARD ASSY

דברת יצוא מ=PC 1=711

REF CODE =1A6 0310 REF. DEF=24956000

M/B=M

ת"ד

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1225300	CAP FXD	8121-200-C0G-430J	0002	PC B		1.00
2124-1226600	CAP FXD	8121-100-X7R-151K	0002	PC B		2.00
2124-1300400	RF CHOKE	1025-44 10 MH	0112	PC B		3.00
2124-1300600	RF CHOKE	1025-08 0.33 MH	0112	PC B		1.00
2124-1300700	RF CHOKE (9013811)	1537-40 10 MH	0112	PC B		1.00
2124-1501000	FERRITE RING (2615002)	24150100	0310	PC B		4.00
2124-1503300	FERRITE	4322-020-91020	0586	PC B		3.00
2124-2107200	TRANSISTOR	2N3375 JAN TX		PC B		2.00
2124-2107300	TRANSISTOR	BLX14		PC B		2.00
2124-2108400	TRANSISTOR	4X2N2222A JAN TX		PC B		1.00
2124-2110100	DIODE (5921209)	1N4148		PC B		2.00
2124-3100100	RELAY	M39016/15-005L	0268	PC B		1.00
2124-3101200	THERMOSTATIC SWITCH	WP-FCORP 110C+S CHAT		PC B		1.00
2124-3300900	CONNECTOR	UFC2B17F4	0298	PC B		1.00
2124-3301000	CONNECTOR	51-453-0000	0001	PC B		1.00
2124-9460000	PC BOARD S/A	24956000	1A6 0310	PC M		1.00
2124-1121300	RESIST FXD	RCR07G180JS MILR3900	0268	PC B		2.00
2124-1121700	RESIST FXD (6311185)	RCR07G221JS MILR3900	0268	PC B		2.00
2124-1122600	RESIST FXD (6311210)	RCR07G102JS MILR3900	0268	PC B		1.00
2124-1150200	RESIST FXD	RCR20G330JS MILR3900	0268	PC B		1.00
2124-1150300	RESIST FXD	RCR20G271JS MILR3900	0268	PC B		1.00
2124-1151000	RESIST FXD	RCR20G101JS MILR3900	0268	PC B		2.00
2124-1206500	CAP FXD	8141-100-C0G-103F	0002	PC B		2.00
2124-1206600	CAP FXD	8121-500-C0G-560F	0002	PC B		1.00
2124-1206700	CAP FXD	8121-100-C0G-911F	0002	PC B		1.00
2124-1213600	CAP FXD TANT	CSR13C475KP MILR39003	0268	PC B		2.00
2124-1214100	CAP FXD TANT	CSR13G475KP	0268	PC B		1.00
2124-1214500	CAP FXD	CK05BX103K MILC1101	0268	PC B		4.00
2124-1217400	CAP FXD	CK05BX104K MILC1101	0268	PC B		1.00
2124-1225000	CAP FXD	8121-200-C0G-270J	0002	PC B		1.00
2124-1225100	CAP FXD	8121-200-C0G-330J	0002	PC B		1.00
2124-1225200	CAP FXD	8121-200-C0G-390J	0002	PC B		1.00
2124-1100300	RESIST FXD (6311020)	RCR05G100JS MILR3900	0268	PC B		1.00
2124-1101500	RESIST FXD (6311045)	RCR05G101JS MILR3900	0268	PC B		1.00
2124-1102300	RESIST FXD (6311055)	RCR05G271JS MILR3900	0268	PC B		1.00
2124-1102500	RESIST FXD (6311057)	RCR05G331JS MILR3900	0268	PC B		1.00
2124-1102600	RESIST FXD (6311058)	RCR05G391JS MILR3900	0268	PC B		1.00
2124-1102700	RESIST FXD (6311060)	RCR05G471JS MILR3900	0268	PC B		1.00
2124-1102800	RESIST FXD (6311061)	RCR05G511JS MILR3900	0268	PC B		1.00
2124-1103000	RESIST FXD	RCR05G751JS MILR3900	0268	PC B		1.00
2124-1103100	RESIST FXD (6311067)	RCR05G621JS MILR3900	0268	PC B		1.00
2124-1103200	RESIST FXD (6311066)	RCR05G681JS MILR3900	0268	PC B		1.00
2124-1103300	RESIST FXD (6311234)	RCR05G821JS MILR3900	0268	PC B		1.00
2124-1104100	RESIST FXD (6311076)	RCR05G202JS MILR3900	0268	PC B		1.00
2124-1107200	RESIST FXD (6311116)	RCR05G513JS MILR3900	0268	PC B		1.00
2124-1110200	RESIST FXD	RCR05G361JS MILR3900	0268	PC B		1.00
2124-1110300	RESIST FXD	RCR05G431JS MILR3900	0268	PC B		1.00
2124-1120200	RESIST FXD (6311154)	RCR07G4R7JS MILR3900	0268	PC B		2.00

PANEL

BMO2 21249510000 1 CONT
 16/03/77 1 13TD SINGLE LEVEL EXPLOSION 05-70 קשר ז"ר
 CAT. NO=2124-95-100-00 REV= A NOLIN=PC BOARD ASSY U. M=PC 1=7077 לרדד
 REF CODE =1A1 0310... REF. DEF=24951000 M/B=K 524 בל

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1103500	RESIST FXD	(6311070)RCR05G102JS MILR3900	0268	PC	B	3.00
2124-1104300	RESIST FXD	(6311078)RCR05G242JS MILR3900	0268	PC	B	2.00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900	0268	PC	B	2.00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900	0268	PC	B	1.00
2124-1143000	RESIST CHIP	CR3100K20100		PC	B	24.00
2124-1216200	CAP FXD CHIP	50R15W103KT	0557	PC	B	24.00
2124-1218800	CAP FXD CHIP	25CRC0805E104MT		PC	B	4.00
2124-2106300	TRANSISTOR	2N2222A JAN TX		PC	B	1.00
2124-2110100	DIODE (5921209)	1N4148		PC	B	41.00
2124-2111000	DIODE (5621136)	HP5082-4420		PC	B	5.00
2124-2112000	DIODE	1N4002		PC	B	1.00
2124-2112300	DIODE ZENER	1N758A JAN	0268	PC	B	1.00
2124-3100100	RELAY	M39016/15-005L	0268	PC	B	1.00
2124-3100600	SWITCH	24310060	0310	PC	B	5.00
2124-3100700	SWITCH	24310070	0310	PC	B	1.00
2124-3300400	CONNECTOR	RSM04-19-338-023 DE		PC	B	1.00
2124-3300500	CONNECTOR (COVER)	DSM96-04-19A-023 DE		PC	B	1.00
2124-3301600	PLUG (M24308/4-267)	204507-1	0309	PC	E	1.00
2124-3301700	PIN (M24308/13-1)	204370-2	0309	PC	E	70.00
2124-3306600	BULKHEAD ADAPTER	24330660B	0310	PC	E	1.00
2124-9251000	CONNECTOR ASSY	24925100	1A1 0310	PC	M	2.00
2124-9410000	PC BOARD S/A	24941000	1A1 0310	PC	M	1.00

M.E.

BM02 Z1249581000 1 CONT
 16/03/77 1 1DTU SINGLE LEVEL EXPLOSION DS-77 7MP 711'Z
 CAT. NO=2124-95-810-00 REV= A NOUN=PC BOARD ASSY U. M=PC 1=711'Z 777D
 REF CODE =1A8A1 0310 REF. DEF=24958100 M/E=M 7717D

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/E	Q/CON.
2124-1100100	RESIST FXD	(6311007)RCR05G5R1J8 MILR3900	0268	PC	E	1.00
2124-1104200	RESIST FXD	(6311157)RCR05G2Z2J8 MILR3900	0268	PC	E	1.00
2124-1105000	RESIST FXD	(6311086)RCR05G512J8 MILR3900	0268	PC	E	1.00
2124-1107300	RESIST FXD	(6311117)RCR05G563J8 MILR3900	0268	PC	E	1.00
2124-1107600	RESIST FXD	(6311130)RCR05G104J8 MILR3900	0268	PC	E	9.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC	E	11.00
2124-1209400	CAP FXD	8121-050-X7R-102K	0002	PC	E	1.00
2124-1213900	CAP FXD TANT	CSR13G105KP	0268	PC	E	1.00
2124-1216100	CAP FXD CHIP	50R15W102KT	0557	PC	E	1.00
2124-1216200	CAP FXD CHIP	50R15W103KT	0557	PC	E	1.00
2124-1216300	CAP FXD CHIP	50B25W104KT	0557	PC	E	8.00
2124-1219100	CAP FXD TANT	CSR13C336KP	0268	PC	E	1.00
2124-1226400	CAP FXD CHIP	50R31W224KT	0557	PC	E	1.00
2124-1300600	RF CHOKE	1025-08 0.33 MH	0112	PC	E	1.00
2124-1304300	COIL	24130430	0310	PC	M	1.00
2124-2108500	HYBRID ATTENUATOR	24210850 (6DB/20W)	0310	PC	E	1.00
2124-2110100	DIODE (5921209)	1N4148			PC E	12.00
2124-3101000	SWITCH MAG(9231003)	33-451982-3	0664	PC	E	1.00
2124-3265000	PC BOARD FLEXIBLE	24326500	0310	PC	E	1.00
2124-3266000	PC BOARD FLEXIBLE	24326600	0310	PC	E	1.00
2124-3267000	PC BOARD FLEXIBLE	24326700	0310	PC	E	1.00
2124-3268000	PC BOARD FLEXIBLE	24326800	0310	PC	E	1.00
2124-3269000	PC BOARD FLEXIBLE	24326900	0310	PC	E	1.00
2124-3289000	PC BOARD FLEXIBLE	24328900	0310	PC	E	1.00
2124-3294000	PC BOARD FLEXIBLE	24329400	0310	PC	E	1.00
2124-3300100	CONNECTOR	UPC2B33R4	0298	PC	E	2.00
2124-3300600	CONNECTOR	51-428-3196	0001	PC	E	10.00
2124-3301400	CONNECTOR	UPC2B17R4	0298	PC	E	4.00
2124-3301500	CONNECTOR	UPC2B25R4	0298	PC	E	9.00
2124-3302000	CONNECTOR	UPC2B41R4	0298	PC	E	1.00
2124-3302800	CONNECTOR	M24308/4-14	0309	PC	E	1.00
2124-3306800	CONNECTOR RF	51-328-3196			PC E	1.00
2124-4702000	POINT SOLDER (5947053M447366B-1		0267	PC	E	6.00
2124-4703000	TERMINAL LUG (5947143M447362B		0267	PC	E	8.00
2124-6800300	CABLE COAX	RG196			MT E	.90
2124-9481000	PC BOARD S/A	24948100	1A8A1 0310	PC	M	1.00

13 N77 0173

CONTROL

BM02 21249570000 1 CONT
 16/03/77 1 1DTB DB-TN TWP T173
 CAT. NO-2124-95-700-00 REV- A NOUN-PC BOARD ASSY U. M=PC 1-712" TTTD
 REF CODE -1A7 0310 REF. DEF-24957000 M/B=M 9P173

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1101800	RESIST FXD	RCR05G161JS MILR3900		0268	PC B	5. 00
2124-1104600	RESIST FXD	(6311081)RCR05G332JS MILR3900		0268	PC B	1. 00
2124-1104700	RESIST FXD	(6311083)RCR05G392JS MILR3900		0268	PC B	5. 00
2124-1104900	RESIST FXD	(6311085)RCR05G472JS MILR3900		0268	PC B	4. 00
2124-1105000	RESIST FXD	(6311086)RCR05G512JS MILR3900		0268	PC B	1. 00
2124-1105700	RESIST FXD	(6311100)RCR05G103JS MILR3900		0268	PC B	3. 00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900		0268	PC B	10. 00
2124-1106300	RESIST FXD	(6311105)RCR05G183JS MILR3900		0268	PC B	1. 00
2124-1106400	RESIST FXD	(6311106)RCR05G203JS MILR3900		0268	PC B	3. 00
2124-1106500	RESIST FXD	(6311107)RCR05G223JS MILR3900		0268	PC B	5. 00
2124-1106900	RESIST FXD	(6311111)RCR05G333JS MILR3900		0268	PC B	1. 00
2124-1107100	RESIST FXD	(6311115)RCR05G473JS MILR3900		0268	PC B	3. 00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900		0268	PC B	6. 00
2124-1107900	RESIST FXD	(6311135)RCR05G224JS MILR3900		0268	PC B	1. 00
2124-1108200	RESIST FXD	RCR05G334JS MILR3900		0268	PC B	2. 00
2124-1108400	RESIST FXD	(6311094)RCR05G474JS MILR3900		0268	PC B	2. 00
2124-1120800	RESIST FXD	(2511079)RCR07G330JS MILR3900		0268	PC B	5. 00
2124-1206000	CAP FXD	8131-050-X7R-104K		0002	PC B	3. 00
2124-1209300	CAP FXD	8121-050-X7R-103K		0002	PC B	11. 00
2124-1213500	CAP FXD TANT	CSR13E225KP		0268	PC B	1. 00
2124-2101300	INTEGRAT CIRC	CD4051BF			PC B	2. 00
2124-2101400	INTEGRAT CIRC	CD4518BF			PC B	1. 00
2124-2101500	INTEGRAT CIRC	CA3081AF			PC B	2. 00
2124-2101600	INTEGRAT CIRC	(69210CD4071BF			PC B	1. 00
2124-2101700	INTEGRAT CIRC	CD4028AF			PC B	1. 00
2124-2101800	INTEGRAT CIRC	CD4017AF			PC B	1. 00
2124-2101900	INTEGRAT CIRC	CD4049AF			PC B	2. 00
2124-2102000	INTEGRAT CIRC	(69210CD4081BF			PC B	1. 00
2124-2102100	INTEGRAT CIRC	CD4011AF			PC B	1. 00
2124-2102200	INTEGRAT CIRC	CD4001AF			PC B	2. 00
2124-2102300	INTEGRAT CIRC	(69210CD4047AF			PC B	1. 00
2124-2104400	INTEGRAT CIRC	CD4016AD			PC B	1. 00
2124-2105200	INTEGRAT CIRC	LM101AH			PC B	1. 00
2124-2106300	TRANSISTOR	2N2222A JAN TX			PC B	2. 00
2124-2106400	TRANSISTOR	2N2907A JAN TX			PC B	2. 00
2124-2107000	TRANSISTOR	(63213Z62N4033 JAN TX			PC B	1. 00
2124-2107100	TRANSISTOR	2N3821 JAN TX			PC B	1. 00
2124-2110100	DIODE (5921209)	1N4148			PC B	4. 00
2124-2110900	DIODE ZENER	IN757A JAN			PC B	1. 00
2124-3100200	RELAY	M39016/15-00SL		0268	PC B	1. 00
2124-3301100	CONNECTOR	UPC2B33P4		0298	PC B	1. 00
2124-9470000	PC BOARD S/A	24947000	1A7	0310	PC M	1. 00

BM02 21249552000 1

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16/03/77 ב יסד

SINGLE LEVEL EXPLOSION

צ"ד קשר תד-09

CAT. NO=2124-95-520-00 REV= A NOUN=PC BOARD ASSY

דרת יצור=1 U. M=PC

REF CODE =1A5A2 0310 REF. DEF=24955200

M/B=M

בתקף

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1105000	RESIST FXD	(6311086RCR05G512J8 MILR3900	0268	PC	B	1.00
2124-1206000	CAP FXD	8131-050-X7R-104K	0002	PC	B	66.00
2124-2110100	DIODE (5921209)	1N4148		PC	B	1.00
2124-2701000	HYBRID-LOC	24270100	SEAL MAR A1	0310	PC A	1.00
2124-2702000	HYBRID-DEC	24270200	SEAL MAR A2	0310	PC A	1.00
2124-2703000	HYBRID-PRO	24270300	SEAL MAR A3	0310	PC A	1.00
2124-2704000	HYBRID-TIM	24270400	SEAL MAR A4	0310	PC A	1.00
2124-2705000	HYBRID-RD	24270500	SEAL MAR RD	0310	PC A	3.00
2124-3300200	CONNECTOR	UPC2B25P4		0298	PC B	1.00
2124-3301300	CONNECTOR	UPC2B41F16		0298	PC B	1.00
2124-3301400	CONNECTOR	UPC2B17R4		0298	PC B	1.00
2124-9452000	PC BOARD S/A	24945200	1A5A2	0310	PC M	1.00

EMOZ 21249551000 1

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CONT

16/03/77 1 137U

SINGLE LEVEL EXPLOSION

DB-TR קשר יוני

CAT. NO=2124-95-510-00 REV= A NOUN=PC BOARD ASSY

U. M=PC 1=7107' לדר

REF CODE =1A5A1 0310 REF. DEF=24955100

M/B=M

מרי

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1203100	CAP FXD	8121-200-X7R-682K	0002	PC B		1.00
2124-1205100	CAP FXD	8121-500-X7R-182K	0002	PC B		1.00
2124-1205900	CAP FXD	8131-200-C0G-911J	0002	PC B		1.00
2124-1211600	CAP FXD	CM04ED560J03 MILC5	0268	PC B		3.00
2124-1211700	CAP FXD	CM05FD391J03 MILC5	0268	PC B		1.00
2124-1211800	CAP FXD	CM04FD201J03 MILC5	0268	PC B		1.00
2124-1211900	CAP FXD	CM04ED750J03 MILC5	0268	PC B		2.00
2124-1212000	CAP FXD	CM04ED510J03 MILC5	0268	PC B		1.00
2124-1212100	CAP FXD	CM04ED360J03 MILC5	0268	PC B		1.00
2124-1212200	CAP FXD	CM04ED240J03 MILC5	0268	PC B		1.00
2124-1212300	CAP FXD	CM04ED200J03 MILC5	0268	PC B		1.00
2124-1212400	CAP FXD	CM04ED300J03 MILC5	0268	PC B		2.00
2124-1212500	CAP FXD	CM04FD121J03 MILC5	0268	PC B		1.00
2124-1212600	CAP FXD	CM04CD100J03 MILC5	0268	PC B		1.00
2124-1212700	CAP FXD	CM04FD111J03 MILC5	0268	PC B		3.00
2124-1212800	CAP FXD	CM04FD221J03 MILC5	0268	PC B		1.00
2124-1212900	CAP FXD	DM15-431J	0268	PC B		1.00
2124-1213000	CAP FXD	DM15-561J	0268	PC B		2.00
2124-1213100	CAP FXD	DM15-681J	0268	PC B		1.00
2124-1213200	CAP FXD	CM05FD301J03 MILC5	0268	PC B		1.00
2124-1213300	CAP FXD	CM05FD241J03 MILC5	0268	PC B		1.00
2124-1213400	CAP FXD	CM04FD181J03 MILC5	0268	PC B		2.00
2124-1216000	CAP FXD	8121-200-X7R-392J	0002	PC B		1.00
2124-1217900	CAP FXD	CM04ED430J03 MILC5	0268	PC B		1.00
2124-1502000	CORE	T30-6MM	0589	PC B		10.00
2124-1502200	CORE	T130-6MM	0589	PC B		1.00
2124-1502300	CORE	T106-6MM	0589	PC B		6.00
2124-1502400	CORE	T94-6MM	0589	PC B		1.00
2124-1502500	CORE	T68-6MM	0589	PC B		3.00
2124-1502900	CORE	T25-6MM	0589	PC B		2.00
2124-1503700	CORE	T37-6MM	0589	PC B		10.00
2124-3100100	RELAY	M39016/15-005L	0268	PC B		8.00
2124-3100300	RELAY	RF-1D-26S ITT JEN.		PC B		2.00
2124-3100400	RELAY	55GB0N-3-A-1. SK	0460	PC B		6.00
2124-3100500	RELAY	M39016/29-018M	0268	PC B		12.00
2124-3101100	RELAY	M39016/29-018L	0268	PC B		5.00
2124-3300300	CONNECTOR RF	51-451-0000	0001	PC B		2.00
2124-3301300	CONNECTOR	UFC2B41P16	0298	PC B		1.00
2124-3301500	CONNECTOR	UFC2B25R4	0298	PC B		1.00
2124-4800500	COPPER ENAMEL WIRE	AWG24		MT B	A/R	
2124-4800600	COPPER ENAMEL WIRE	AWG27		MT B	A/R	
2124-9451000	PC BOARD S/A	24945100	1A5A1 0310	PC M		1.00

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CAT. NO=2124-95-350-00 REV= A NOUN=PC BOARD ASSY

REF CODE =1AGAS 0310 REF. DEF=24953500

CONT

SINGLE LEVEL EXPLOSION

צ"ח קשר ת"ד 09

U. M=PC 1=7107 ן ן ן ן ן

M/B=M

מ"ר

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	R/CON.
2124-1107300	RESIST FXD	(63111117)RCR05G563JS MILR3900	0268	PC B		1.00
2124-1107600	RESIST FXD	(6311130R)RCR05G104JS MILR3900	0268	PC B		4.00
2124-1108400	RESIST FXD	(6311094R)RCR05G474JS MILR3900	0268	PC B		1.00
2124-1108500	RESIST FXD	(63111148)RCR05G105JS MILR3900	0268	PC B		1.00
2124-1206000	CAP FXD	8131-050-X7R-104K	0002	PC B		12.00
2124-1207200	CAP FXD	8101-050-C0J-279J	0002	PC B		1.00
2124-1207500	CAP FXD	8101-050-C0H-479J	0002	PC B		2.00
2124-1209000	CAP FXD	8121-050-C0G-680J	0002	PC B		1.00
2124-1209100	CAP FXD	8121-050-C0G-820J	0002	PC B		1.00
2124-1209200	CAP FXD	8121-050-C0G-560J	0002	PC B		1.00
2124-1209300	CAP FXD	8121-050-X7R-103K	0002	PC B		15.00
2124-1209400	CAP FXD	8121-050-X7R-102K	0002	PC B		9.00
2124-1209500	CAP FXD	8121-050-C0G-151J	0002	PC B		1.00
2124-1209600	CAP FXD	8121-050-C0G-121J	0002	PC B		1.00
2124-1209700	CAP FXD	8121-050-C0G-270J	0002	PC B		3.00
2124-1210200	CAP FXD	8121-050-C0G-221J	0002	PC B		1.00
2124-1213500	CAP FXD TANT	CSR13E225KF	0268	PC B		4.00
2124-1214600	CAP FXD	CK06BX224K MILC1101	0268	PC B		2.00
2124-1216600	CAP FXD	8101-100-C0J-339J	0002	PC B		2.00
2124-1216700	CAP FXD	8101-100-C0H-689J	0002	PC B		2.00
2124-1218200	CAP FXD	8111-050-C0G-120J	0002	PC B		3.00
2124-1218300	CAP FXD	8111-050-C0G-100J	0002	PC B		1.00
2124-1219600	CAP FXD	8101-050-C0H-829J	0268	PC B		1.00
2124-1219700	CAP FXD	CK06BX474K MILC1101	0268	PC B		1.00
2124-1219900	CAP VAR	(0.35-3.5) JMC4702 WITH NUT.	0557	PC B		2.00
2124-1300200	RF CHOKE	1025-60 47 MH	0112	PC B		1.00
2124-1300300	RF CHOKE	1025-76 220 MH	0112	PC B		1.00
2124-1301400	RF CHOKE	1025-92	0112	PC B		1.00
2124-1501000	FERRITE RING	(26150024)150100	0310	PC B		1.00
2124-1501300	FERRITE	(25332238)M500454B	0267	PC B		1.00
2124-1501400	CORE	(5915002B)64290-A0035-X035	0278	PC B		3.00
2124-1501500	FERRITE	4312-020-31060	0586	PC B		2.00
2124-1501600	CORE	T16-10	0589	PC B		2.00
2124-1501700	CORE	T20-10	0589	PC B		4.00
2124-2100800	INTEGRAT CIRC	MC1596G		PC B		1.00
2124-2102200	INTEGRAT CIRC	CD4001AF		PC B		1.00
2124-2102500	INTEGRAT CIRC	CD4046AD		PC B		1.00
2124-2103900	INTEGRAT CIRC	CD4013AF		PC B		2.00
2124-2104100	INTEGRAT CIRC	CD4025AF		PC B		1.00
2124-2106300	TRANSISTOR	2N2222A JAN TX		PC B		5.00
2124-2106400	TRANSISTOR	2N2907A JAN TX		PC B		2.00
2124-2107400	TRANSISTOR	BFY90 JAN TX		PC B		4.00
2124-2107500	TRANSISTOR	(59211042)2N930 JAN TX		PC B		1.00
2124-2110100	DIODE (5921209)	1N4148		PC B		3.00
2124-2111100	DIODE MATCHED PAIR	HP5082-2912		PC B		1.00
2124-2111300	DIODE (5921209)	BB105B		PC B		1.00
2124-2200100	CRYSTAL 20,8095 MHZ	24220010A	0310	PC B		1.00
2124-3300200	CONNECTOR	UPC2B25P4	0298	PC B		1.00

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SINGLE LEVEL EXPLOSION

09-77 קשר ת"ד

CAT. NO=2124-95-530-00 REV= A NOUN=PC BOARD ASSY

U. M=PC 1=77 דלת

REF CODE =1A5A3 0310 REF. DEF=24955300

M/B=M

77 □ □

CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q/CON.
2124-1103500	RESIST FXD	(6311070)RCR05G102JS MILR3900	0268	PC B		2.00
2124-1103700	RESIST FXD	(6311073)RCR05G132JS MILR3900	0268	PC B		2.00
2124-1104100	RESIST FXD	(6311076)RCR05G202JS MILR3900	0268	PC B		2.00
2124-1104300	RESIST FXD	(6311078)RCR05G242JS MILR3900	0268	PC B		1.00
2124-1104900	RESIST FXD	(6311085)RCR05G472JS MILR3900	0268	PC B		1.00
2124-1105400	RESIST FXD	(6311090)RCR05G752JS MILR3900	0268	PC B		1.00
2124-1105500	RESIST FXD	(6311091)RCR05G822JS MILR3900	0268	PC B		1.00
2124-1105900	RESIST FXD	(6311102)RCR05G123JS MILR3900	0268	PC B		2.00
2124-1106100	RESIST FXD	(6311103)RCR05G153JS MILR3900	0268	PC B		6.00
2124-1106300	RESIST FXD	(6311105)RCR05G183JS MILR3900	0268	PC B		6.00
2124-1106400	RESIST FXD	(6311106)RCR05G203JS MILR3900	0268	PC B		1.00
2124-1106600	RESIST FXD	RCR05G243JS MILR3900	0268	PC B		2.00
2124-1106900	RESIST FXD	(6311111)RCR05G333JS MILR3900	0268	PC B		4.00
2124-1107000	RESIST FXD	(6311113)RCR05G393JS MILR3900	0268	PC B		1.00
2124-1107500	RESIST FXD	(6311121)RCR05G913JS MILR3900	0268	PC B		6.00
2124-1107600	RESIST FXD	(6311130)RCR05G104JS MILR3900	0268	PC B		4.00
2124-1109800	RESIST FXD	RCR05G124JS MILR3900	0268	PC B		1.00
2124-1121000	RESIST FXD	(2511095)RCR07G510JS MILR3900	0268	PC B		1.00
2124-1121200	RESIST FXD	(6311200)RCR07G750JS MILR3900	0268	PC B		1.00
2124-1121400	RESIST FXD	(3111012)RCR07G101JS MILR3900	0268	PC B		1.00
2124-1121500	RESIST FXD	(6311182)RCR07G151JS MILR3900	0268	PC B		1.00
2124-1122000	RESIST FXD	(6311179)RCR07G511JS MILR3900	0268	PC B		2.00
2124-1123600	RESIST FXD	(6311230)RCR07G103JS MILR3900	0268	PC B		1.00
2124-1125000	RESIST CHIP	24112500	0310	PC B		1.00
2124-1125200	RESIST CHIP	24112520	0310	PC B		2.00
2124-1145000	RESIST VAR	3262X-1-501	0014	PC B		1.00
2124-1145100	RESIST VAR	3262X-1-102	0014	PC B		1.00
2124-1145200	RESIST VAR	3262X-1-103	0014	PC B		1.00
2124-1151100	RESIST FXD	RCR20G1R0JS MILR3900		PC B		1.00
2124-1160600	RESIST FXD	RCR07G201JS MILR3900	0268	PC B		2.00
2124-1200100	CAP FXD	8121-500-C0G-271J	0002	PC B		4.00
2124-1200200	CAP FXD	8121-500-C0G-301J	0002	PC B		3.00

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SINGLE LEVEL EXPLOSION

צ'יוד קשור ת"פ-DB

CAT. NO=2124-95-530-00 REV= A NOUN=PC BOARD ASSY

קודת יצוא=1 M=PC U.

REF CODE =1A5A3 0310 REF. DEF=24955300

M/B=M

תקופה

CAT. NUMBER	N-G-U-N	REFERENCE DEFINITION	REF CODE	U-M-M/B-Q/CON.
2124-1200300	CAP FXD	8121-500-COG-331J	0002	PC B 2.00
2124-1200400	CAP FXD	8131-500-COG-361J	0002	PC B 2.00
2124-1200500	CAP FXD	8111-200-COG-300J	0002	PC B 1.00
2124-1200600	CAP FXD	8111-200-COG-390J	0002	PC B 1.00
2124-1200700	CAP FXD	8111-200-COG-470J	0002	PC B 2.00
2124-1200800	CAP FXD	8111-200-COG-510J	0002	PC B 1.00
2124-1200900	CAP FXD	8111-200-COG-560J	0002	PC B 1.00
2124-1201000	CAP FXD	8111-200-COG-680J	0002	PC B 1.00
2124-1201100	CAP FXD	8111-200-COG-750J	0002	PC B 2.00
2124-1201200	CAP FXD	8111-200-COG-820J	0002	PC B 1.00
2124-1201300	CAP FXD	8111-200-COG-910J	0002	PC B 1.00
2124-1201400	CAP FXD	8111-200-COG-101J	0002	PC B 1.00
2124-1201500	CAP FXD	8111-200-COG-111J	0002	PC B 1.00
2124-1201600	CAP FXD	8111-200-COG-121J	0002	PC B 1.00
2124-1201700	CAP FXD	8111-200-COG-131J	0002	PC B 6.00
2124-1201800	CAP FXD	8111-200-COG-151J	0002	PC B 2.00
2124-1201900	CAP FXD	8111-200-COG-391J	0002	PC B 1.00
2124-1202000	CAP FXD	8121-200-COG-431J	0002	PC B 2.00
2124-1202100	CAP FXD	8121-200-COG-471J	0002	PC B 2.00
2124-1202200	CAP FXD	8121-200-COG-511J	0002	PC B 2.00
2124-1202300	CAP FXD	8121-200-COG-561J	0002	PC B 4.00
2124-1202400	CAP FXD	8121-200-COG-621J	0002	PC B 3.00
2124-1202500	CAP FXD	8121-200-COG-681J	0002	PC B 3.00
2124-1202600	CAP FXD	8121-200-COG-751J	0002	PC B 3.00
2124-1202700	CAP FXD	8121-200-COG-911J	0002	PC B 2.00
2124-1202800	CAP FXD	8141-200-COG-622J	0002	PC B 1.00
2124-1202900	CAP FXD	8121-200-COG-102J	0002	PC B 1.00
2124-1203000	CAP FXD	8131-200-COG-112J	0002	PC B 2.00
2124-1203100	CAP FXD	8121-200-X7R-682K	0002	PC B 1.00
2124-1203200	CAP FXD	8121-200-X7R-103K	0002	PC B 1.00
2124-1203300	CAP FXD	8121-500-COG-181J	0002	PC B 3.00
2124-1203400	CAP FXD	8111-200-COG-161J	0002	PC B 2.00
2124-1203500	CAP FXD	8111-200-COG-181J	0002	PC B 3.00
2124-1203600	CAP FXD	8111-200-COG-201J	0002	PC B 3.00
2124-1203700	CAP FXD	8111-200-COG-221J	0002	PC B 1.00
2124-1203800	CAP FXD	8111-200-COG-271J	0002	PC B 4.00
2124-1203900	CAP FXD	8111-200-COG-301J	0002	PC B 3.00
2124-1204000	CAP FXD	8111-200-COG-331J	0002	PC B 2.00
2124-1204100	CAP FXD	8111-200-COG-361J	0002	PC B 2.00
2124-1204200	CAP FXD	8131-500-COG-391J	0002	PC B 1.00
2124-1204300	CAP FXD	8131-500-COG-431J	0002	PC B 2.00
2124-1204400	CAP FXD	8131-500-COG-471J	0002	PC B 2.00
2124-1204500	CAP FXD	8131-500-COG-511J	0002	PC B 2.00
2124-1204600	CAP FXD	8131-500-COG-621J	0002	PC B 3.00
2124-1204700	CAP FXD	8131-500-COG-681J	0002	PC B 3.00
2124-1204800	CAP FXD	8131-500-COG 751J	0002	PC B 3.00
2124-1204900	CAP FXD	8121-500-X7R-122K	0002	PC B 2.00
2124-1205000	CAP FXD	8121-500-X7R-152K	0002	PC B 2.00

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SINGLE LEVEL EXPLOSION

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CAT. NO=2124-95-530-00 REV= A NOUN=PC BOARD ASSY

U, M=PC 1=□□□ □□□□

REF CODE =1A5A3 0310 REF. DEF=24955300

M/B=M

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CAT. NUMBER	N O U N	REFERENCE DEFINITION	REF CODE	U. M	M/B	Q./CON.
2124-1205100	CAP FXD	8121-500-X7R-182K		0002	PC B	2.00
2124-1205200	CAP FXD	8121-500-X7R-222K		0002	PC B	2.00
2124-1205300	CAP FXD	8121-500-X7R-332K		0002	PC B	1.00
2124-1205400	CAP FXD	8121-500-X7R-392K		0002	PC B	2.00
2124-1205500	CAP FXD	8121-500-X7R-562K		0002	PC B	1.00
2124-1205600	CAP FXD	8121-500-X7R-272K		0002	PC B	2.00
2124-1205800	CAP FXD	8131-200-C0G-182J		0002	PC B	2.00
2124-1206000	CAP FXD	8121-200-C0G-120J		0002	PC B	1.00
2124-1208100	CAP FXD	8121-200-C0G-180J		0002	PC B	1.00
2124-1209300	CAP FXD	8121-050-X7R-103K		0002	PC B	8.00
2124-1209400	CAP FXD	8121-050-X7R-102K		0002	PC B	2.00
2124-1211100	CAP FXD	8121-100-C0G-390J		0002	PC B	1.00
2124-1211200	CAP FXD	8121-100-C0G-331J		0002	PC B	2.00
2124-1211300	CAP FXD	8121-100-C0G-181J		0002	PC B	1.00
2124-1211400	CAP FXD	8121-100-C0G-681J		0002	PC B	2.00
2124-1213500	CAP FXD TANT	CSR13E225KF		0268	PC B	1.00
2124-1213900	CAP FXD TANT	CSR13G105KF		0268	PC B	2.00
2124-1215200	CAP VAR (2612050)	711498-043		0553	PC B	3.00
2124-1215600	CAP FXD	8131-200-C0G-122J		0002	PC B	2.00
2124-1215700	CAP FXD	8131-200-C0G-132J		0002	PC B	4.00
2124-1215800	CAP FXD	8131-200-C0G-152J		0002	PC B	3.00
2124-1215900	CAP FXD	8131-200-C0G-162J		0002	PC B	1.00
2124-1216100	CAP FXD CHIP	50R15W102KT		0557	PC B	3.00
2124-1216200	CAP FXD CHIP	50R15W103KT		0557	PC B	14.00
2124-1216600	CAP FXD	8101-100-C0J-339J		0002	PC B	1.00
2124-1218000	CAP FXD	8121-100-C0G-180J		0002	PC B	1.00
2124-1219000	CAP FXD	8121-100-C0G-111J		0002	PC B	2.00
2124-1225700	CAP FXD	8101-200-C0G-399J		0002	PC B	1.00
2124-1225800	CAP FXD	8101-200-C0G-479J		0002	PC B	1.00
2124-1225900	CAP FXD	8111-200-C0G-569J		0002	PC B	1.00
2124-1226000	CAP FXD	8121-100-C0G-560J		0002	PC B	1.00
2124-1300600	RF CHOKE	1025-06 0.33 MH		0112	PC B	1.00
2124-1502000	CORE	T30-6MM		0589	PC B	40.00
2124-1502100	FERRITE (261500624150210)			0310	PC B	2.00
2124-2105300	INTEGRAT CIRC	HA-4741-2			PC B	2.00
2124-2108400	TRANSISTOR	4X2N2222A JAN TX			PC B	2.00
2124-2110100	DIODE (5921209)	1N4148			PC B	10.00
2124-2111100	DIODE MATCHED PAIR	HP5082-2912			PR B	3.00
2124-2112200	DIODE	HP5082-2900			PC B	3.00
2124-3100100	RELAY	M39016/15-005L		0268	PC B	9.00
2124-4124000	FRAME SNF	24412400C INSERT		0310	PC R	1.00
2124-6800400	COAX SEMI-RIGID	UT34			MT B	1.00
2124-6800700	COPPER ENAMEL WIRE	AWG28			MT B A/R	
2124-9453000	PC BOARD S/A	24945300	1A5A3 0310		PC M	1.00