

**UPKEEP WORK UNITS
CENTRAL OFFICE EQUIPMENT — CIRCUIT
FORMS E-4407A AND E-4407B**

| CONTENTS | PAGE | EQUIPMENT NAME | LINE NO. |
|---|----------|--|--|
| 1. GENERAL | 1 | Amplifier-"K" Carrier Auxiliary Test | 33-A# |
| 2. DESCRIPTION OF FORM E-4407A | 2 | Amplifier-"N" Carrier Flat Gain(2) Companzor | 20-B 12-A |
| 3. DESCRIPTION OF FORM E-4407B | 5 | Concentrator, Subscriber Line Data Terminal B1 Equalizer Equipment-Deviation Expander (See Companzor) Regulator, Carrier Line, "N & ON2" Type Deviation Repeaters, Telephone, Type 22V4, 24V4, & 44V4 Repeaters, Telephone, Type V4 (Except 22, 24, or 44) Test Equipment, Signal, Type SS1 Bay Mounted | 33-A# 33-A# 33-A# — 33-A# 11-A 10-A X |
| 1. GENERAL | | | |
| 1.01 This section describes the method of counting and reporting equipment items of Central Office Equipment using Form E-4407A, Central Office Equipment — Circuit (Excluding Carrier Telephone), and Form E-4407B, Central Office Equipment — Circuit (Carrier Telephone) for the purpose of determining the number of work units for this type of equipment. | | | |
| 1.02 This section is reissued for the following reasons: | | | |
| (a) To revise Form E-4407A (1-65) to delete Line 19, TWX CONCENTRATING UNIT. The revised form will not be available until present stocks of Form E-4407A (5-64) are exhausted. | | | |
| (b) To revise completely Form E-4407B (1-65) to provide work units for transistorized carriers coded N2, N3, and T including the transistorized N1A repeater; to combine Type H carrier repeater and terminal, Type M carrier terminal and Type EB terminal counts with "other type" of carrier; to combine Type L carrier master group, submaster group, supergroup and group counts on one line of the form. The new form should be used as soon as supplies can be conveniently secured. | | | |
| (c) The alphabetical list is corrected to make the above changes and to make the following additional clarification changes: | | | |
| 1.03 Section 015-100-010 covers general instructions applicable to all upkeep work unit forms. Section 015-000-000 contains a list of the sections describing the individual forms. | | | |
| 1.04 These forms provide for a special work unit allowance to cover travel time to and from unattended offices. Where the work unit form covers both the home office and unattended offices maintained out of the home office, it is assumed that a separate subtotal of work units in the unattended offices only will be determined in order to calculate the additional unattended office allowance (see Line 35 on Form E-4407A and Line 46 on Form E-4407B). For this purpose, an unattended office is defined as one in which all the craft work is performed by forces based at another office (i.e., forces who normally report to another office). An office, therefore, where one or more of the force normally report for work should <i>not</i> be considered as "unattended." | | | |

SECTION 015-707-010

1.05 As indicated in Section 015-100-010, "Generally the count of plant items should be on an installed basis." For the purpose of this section, "installed" means either in service or available for immediate use either by patching, cross-connecting or local wiring. Spare "plug-in type" units of equipment, i.e., units not plugged into equipment bays, should not be counted.

2. DESCRIPTION OF FORM E-4407A

2.01 **Column A: No. of Plant Items: Other Co.:** This column is for showing plant items on which work is performed for another company, when required by local instructions.

2.02 **Column B: No. of Plant Items: Total:** This column is for showing total plant items on which work is performed.

2.03 **Column C: W.U. per Plant Item:** These are the work unit factors which, when multiplied by the plant items, give the number of work units.

2.04 **Column D: Work Units per Quarter: Other Co.:** Enter for each kind of plant item the result obtained by multiplying the number of plant items in Column A by the work unit factor in Column C. Computations should be expressed to the nearest whole number.

2.05 **Column E: Work Units per Quarter: Total:** Enter for each kind of plant item the result obtained by multiplying the number of plant items in Column B by the work unit factor in Column C. Computations should be expressed to the nearest whole number.

Line Terminal Equipment

2.06 **Line 1: Phantom, Composite or Filter Set:** Covers phantom sets, phantom equalizing sets, composite sets, filter sets, phantom composite sets and phantom composite equalizing sets. A filter set consists of a high-pass and/or low-pass filter.

Count plant items for each of the above, as follows:

- (a) Phantom set (2 coils) — 1 item
- (b) Phantom equalizing set — 1 item

- (c) Repeating coil group (4 coils) — 2 items
- (d) Simplex sets — 1/2 item
- (e) Intermediate composite set — 1 item
- (f) Terminal composite set — 1 item
- (g) Transfer or filter set — 1 item
- (h) Phantom composite set — 1 item
- (i) Phantom composite equalizing set — 1 item

2.07 **Line 2: Signaling Circuits: Single Frequency: Tube Type:** Covers tube type single frequency signaling circuits associated with line terminal equipment.

Count one plant item for each tube type single frequency signaling circuit.

2.08 **Line 3: Signaling Circuits: Single Frequency: Transistor Type:** Covers transistor type single frequency signaling circuits associated with line terminal equipment.

Count one plant item for each transistor type single frequency signaling circuit.

2.09 **Line 4: Signaling Circuits: Composite, Simplex or DX:** Covers composite signaling circuits used in connection with intertoll dial and simplex or DX signaling circuits. Also includes pulse link repeaters.

Count one plant item for each signaling circuit and each pulse link repeater.

2.10 **Line 5: Signaling Circuits: Other:** Covers all signaling circuits not covered by Lines 2, 3 and 4. Includes all types of dc, 20, 135 and 1000-cycle signaling circuits except those associated with intertoll trunk equipment (see Form E-4406). Also includes signal converters.

Count one plant item for each signaling circuit.

2.11 **Line 6: 4-Wire Term. Sets, Res. or Coil Hybrids:** Covers 4-wire terminating sets, and resistance or coil hybrids. Does not cover signaling circuits associated with terminal equipment.

Count one plant item for each 4-wire terminating set, each resistance hybrid and each coil hybrid.

Testboards, Serviceboards and Test Panel Equipment

2.12 Line 7: Testboard or Serviceboard: Covers all testboards and telegraph serviceboards.

Count one plant item for each bay or position.

2.13 Line 8: Test Position: Covers wire chief's test desks, No. 6 type transmission measuring sets, No. 7 type transmission testboards, mobile testing equipment, T.V.O.C. bays, sealed test terminals, V.F. patch bays, automatic outgoing intertoll trunk test bays and 118-type telegraph transmission measuring sets. Also includes 1C pad bays, circuit patch bays associated with No. 4 and No. 5 crossbar switching systems.

Count one plant item for each bay or test position.

2.14 Line 9: Test Panel: Covers miscellaneous test panels which have been installed in addition to, or in place of, testboard positions. Also includes miscellaneous patching bays except the circuit patch bays associated with No. 4 and No. 5 crossbar switching systems.

Count one plant item for each test panel and each miscellaneous patching bay.

Telephone Repeater Equipment

2.15 Line 10: Repeaters: V or E Type: Covers V or E type repeaters excepting 22, 24 and 44 type repeaters.

Count one plant item for each repeater (i.e., each two amplifiers).

2.16 Line 11: Repeaters: 22 or 44 Type: Covers 22-type, 24-type, and 44-type regulating and nonregulating telephone repeaters. (Allowance for regulating networks is included on Line 14.)

Count one plant item for each repeater.

2.17 Line 12: Echo Supp. or Compandor: Covers echo suppressors and compandors and associated test panels.

Count one plant item for each echo suppressor and each compandor.

2.18 Line 13: Line Balancing Network Circuit:

Covers all equipment in the repeater network circuit on the side of the repeater connected to outside plant facilities but excludes the repeater network circuit on the switchboard or switching equipment side of terminal repeaters.

Count one plant item for each terminal 2-wire repeater and count two plant items for each intermediate 2-wire repeater.

2.19 Line 14: Pilot Wire Regulator System:

Covers pilot wire transmission regulators (including regular and spare master regulators), bridge circuits and master, submaster and repeater network relays associated with regulator circuits.

Count one plant item for each complete pilot wire regulating system.

Telegraph Equipment

2.20 Line 15: Repeaters: Regenerative Type:

Covers regenerative repeaters used on teletypewriter circuits. A regenerative repeater consists of one 2-way unit.

Count one plant item for each repeater.

2.21 Line 16: Repeaters: Other Type: Covers grounded, differential, or bridge polar duplex, single line, polarential, one-way polar, 2-way polar, terminal and intermediate telegraph repeaters and associated monitoring sets. (144-type coupling units should be counted on Line 33.)

Count one plant item for each repeater.

2.22 Line 18: Teletypewriter: Covers teletypewriters installed in central offices.

Count one plant item for each teletypewriter.

2.23 Line 21: Carrier: V.F. and H.F. Term: Covers voice-frequency and high-frequency carrier telegraph terminal equipment.

Count one plant item for each channel.

Program and Video Equipment

2.24 Line 22: Amplifier (Program and T.V. Audio): Covers program transmission circuit and includes amplifiers, input and output coils, equalizers, volume indicators and monitoring equipment.

Count one plant item for each amplifier assigned to a permanent circuit or network. Where 44A1 repeaters are used, count two amplifiers for each repeater.

2.25 Line 23: Program Switching Equipment: Covers switching equipment used for switching or reversing program amplifiers and loops.

Count one plant item for each complete switching or reversing circuit. (One plant item includes all the equipment which operates as the result of a single switching operation.)

2.26 Line 24: Amplifier — Video: Covers the amplifiers used in providing transmission for video.

Count one plant item for each of the following amplifiers.

- (a) Input Amplifier
- (b) Intermediate Amplifier
- (c) Output Amplifier
- (d) Receiving Terminal Amplifier
- (e) Video Distribution Amplifier
- (f) Clamper Amplifier

2.27 Line 25: Video Switching Equipment: Covers switching equipment used for switching or reversing video amplifiers or loops.

Count one plant item for each input and each output.

Example: A panel with 10 inputs and 10 outputs should be counted as 20 plant items.

2.28 Line 26: Video Monitor: Covers video monitors used at T.V. operating centers and other locations.

Count one plant item for each video monitor.

2.29 Line 27: T.V. Terminal: Covers coaxial T.V. terminal equipment used when video is assigned to L Carrier over coaxial.

Count one plant item for each coaxial T.V. terminal.

Miscellaneous Equipment

2.30 Line 28: Amplifier (Other): Covers all one-way amplifiers not covered by other lines of this or other forms. In general, includes amplifiers used for grouping arrangements, such as news services, Musak, etc.

Count one plant item for each amplifier.

2.31 Line 31: Special Misc. Item: — Type A: This line is for use only for the following items:

- (a) **Digital Data Transmitter:** Count 8 plant items for each digital data transmitter.
- (b) **Digital Data Receiver:** Count 16 plant items for each digital data receiver.
- (c) **Trouble Detector — Transfer and Control:** Count 4 plant items for each trouble detector. Factor includes allowance for associated transfer and control unit.
- (d) **Data Test Position:** Count 124 plant items for the combination of data test and jack bays making up the test position.
- (e) **Common User Group:** Count 496 plant items for each common user group serving one air-ground site. Factor includes allowance for line and controller, channels, trunks, jack bays, test frame, and trouble indicator.
- (f) **Dual Facilities:** Count 12 plant items for each dual facility equipment associated with one A trunk and one B trunk.

2.32 Line 32: Special Misc. Item — Type B: This line is for use only for the following item:

- (a) **TASI System Terminal:** Count 1360 plant items for each TASI system terminal.

2.33 Line 33: Other Equipment (Per Bay): Covers equipment not covered by another line of this or other work unit form as indicated in the following:

(a) Equipment in a bay in which *none* of the equipment in that bay is covered by another line of this or other work unit form.

Determine, to nearest one-quarter bay, the amount of equipment (other than fuses, jack panels, ballast lamps and portable testing apparatus) and record this as the number of plant items.

(b) Equipment in a bay in which *some* of the equipment is covered by another line of this or other work unit form.

(1) If the equipment that is covered by another line of this or other work unit form *is unrelated* to the other equipment in that bay, determine to the nearest one-quarter bay the amount of this other equipment (other than fuses, jack panels, ballast lamps and portable testing equipment) and record this as the number of plant items.

(2) If the equipment that is covered by another line of this or other work unit form *is related* to the other equipment in that bay, no plant items should be counted.

Note: Where equipment is installed outdoors or in cabinets, an estimate should be made of the bay or bays it would occupy if installed in bays in the central office.

2.34 Line 34: Total Lines 1 Through 33: Enter the sums of Lines 1 through 33 in Columns D and E.

2.35 Line 35: Unattended Office Allowance: Enter the total work units for unattended offices (see Par. 1.04) on this line. Multiply Columns A and B by .10 and record in Columns D and E.

2.36 Line 36: Total Work Units: Enter the sum of Lines 34 and 35.

2.37 Line 37: Number of Frames (Bays) + Positions): Enter the number of bays and positions of equipment included in the inventory. Partially equipped bays should be estimated to nearest one-quarter bay. Where equipment is installed outdoors or in cabinets, an estimate should be made of the bay or bays it would occupy if installed in bays in the central office.

2.38 Lines 38 and 39: This Form Includes Equip. in Attended or Unattended Offices As Checked: Enter an "X" in the appropriate box to show whether this form covers equipment in both attended and unattended offices, in attended offices only, or in unattended offices only.

2.39 Line 40: Upkeep Hours on this Equipment Charged to: Enter the subaccount to which upkeep hours for repairs of equipment on this form are charged. Use one sheet for each subaccount.

2.40 City-Office, District, Division, Company-Area, Qtr. Ending: Complete form by filling in office, district, division, company and area. In quarter ending, show either March 31, June 30, September 30 or December 31, and the year.

3. DESCRIPTION OF FORM E-4407B

3.01 Column A: No. of Plant Items: Other Co.: This column is for showing plant items on which work is performed for another company, when required by local instructions.

3.02 Column B: No. of Plant Items: Total: This column is for showing total plant items on which work is performed.

3.03 Column C: W.U. per Plant Item: These are the work unit factors which, when multiplied by the plant items, give the number of work units.

3.04 Column D: Work Units per Quarter: Other Co.: Enter for each kind of plant item the result obtained by multiplying the number of plant items in Column A by the work unit factor in Column C. Computations should be expressed to nearest whole number.

3.05 Column E: Work Units per Quarter: Total: Enter for each kind of plant item the result obtained by multiplying the number of plant items in Column B by the work unit factor in Column C. Computations should be expressed to the nearest whole number.

C Carrier Equipment

3.06 Line 1: Repeater: Covers C Carrier telephone repeaters.

Count one plant item for each repeater.

3.07 Line 2: Terminal: Covers C Carrier telephone terminal equipment but excludes 2A and 2B pilot channels (see Line 3).

Count one plant item for each C Carrier terminal.

3.08 Line 3: Pilot Channel 2A or 2B: Covers 2A and 2B pilot channels associated with C Carrier.

Count one plant item for each receiving terminal and count two plant items for each intermediate repeater.

3.09 Line 4: Volume Limiter: Covers volume limiters associated with C Carrier.

Count one plant item for each channel equipped with a volume limiter.

J Carrier Equipment

3.10 Line 5: Repeater: Covers repeaters used at intermediate offices on J Carrier.

Count one plant item for each repeater.

3.11 Line 6: Group: Covers group equipment used on J Carrier.

Count one plant item for each (2-way) group.

K Carrier Equipment

3.12 Line 7: Amplifier: Covers the line and twist amplifiers on K Carrier systems.

Count one plant item for each K line or twist amplifier.

3.13 Line 8: Group: Covers group equipment used on K Carrier telephone systems.

Count one plant item for each (2-way) group.

L-1 Carrier Equipment

3.14 Line 9: H.F. Line Amplifier: Covers the "plug-in type" transmitting, receiving, flat gain, and auxiliary amplifiers on L-1 Carrier.

Count one plant item for each plug-in amplifier. (See Par. 1.05.)

3.15 Line 10: H.F. Line Regulator: Covers plug-in regulators used with amplifiers in terminal, auxiliary, and main stations on L-1 Carrier. (See Form E-4409 for additional work units for maintenance centers.)

Count one plant item for each plug-in regulator.

L-3 Carrier Equipment

3.16 Line 11: H.F. Line Amplifier: Covers plug-in line amplifiers and flat amplifiers used on L-3 Carrier.

Count one plant item for each plug-in amplifier. (See Par. 1.05.)

3.17 Line 12: H.F. Line Regulator: Covers plug-in regulators used on L-3 Carrier. (See Form E-4409 for additional work units for maintenance centers.)

Count one plant item for each plug-in regulator. (See Par. 1.05.)

L-Type Carrier Equipment

3.18 Line 15: GRP., Supergrp., Submaster and Master: Covers group, supergroup, submaster group and master group equipment used on Type L Carrier.

Count one plant item for each (one-way) group, supergroup, submaster group and master group.

J, K and L Channel Bank

3.19 Line 16: J, K and L Channel Bank: Covers channel bank equipment used on J, K and L Carrier.

Count one plant item for each channel bank of 12 channels.

N and O Carrier Equipment

3.20 Line 18: Repeater — Tube Type — N: Covers N Carrier vacuum tube repeaters.

Count one plant item for each repeater. (See Par. 1.05.)

3.21 Line 19: Repeater — Tube Type — O and ON: Covers O Carrier vacuum tube repeaters and ON vacuum tube repeaters.

Count one plant item for each repeater. (See Par. 1.05.)

3.22 Line 20: Repeater — Transistor Type: Covers N Carrier transistorized repeaters.

Count one plant item for each repeater. (See Par. 1.05.)

3.23 Line 21: Terminal — N1 — Group: Covers N1 Carrier group equipment.

Count one plant item for each (2-way) group. (See Par. 1.05.)

3.24 Line 22: Terminal — N1 — Channel Unit: Covers N1 Carrier channel unit equipment.

Count one plant item for each channel unit. (See Par. 1.05.)

3.25 Line 23: Terminal — O — Group and O.W. Junction: Covers O Carrier group equipment and the group equipment in the open wire side of "ON" junction equipment.

Count one plant item for each (2-way) group. (See Par. 1.05.)

3.26 Line 24: Terminal — O — Channel Unit: Covers O Carrier channel unit equipment.

Count one plant item for each channel unit. (See Par. 1.05.) (Exclude twin channel units.)

3.27 Line 25: Terminal — ON — Group and Cable Junction: Covers ON Carrier group equipment and the group equipment in the cable side of ON junction equipment.

Count one plant item for each (2-way) group. (See Par. 1.05.)

3.28 Line 26: Terminal — ON — Channel Unit: Covers ON Carrier channel unit equipment.

Count one plant item for each channel unit. (See Par. 1.05.) (Exclude twin channel units.)

3.29 Line 27: Terminal — N2 — Group: Covers N2 Carrier group equipment.

Count one plant item for each (2-way) group. (See Par. 1.05.)

3.30 Line 28: Terminal — N2 — Channel: Covers N2 Carrier channel equipment.

Count one plant item for each (2-way) channel. (See Par. 1.05.)

3.31 Line 29: Terminal — N3 — Group and Channel Group: Covers N3 Carrier group and channel group equipment.

Count one plant item for each (2-way) group and each (2-way) channel group. (See Par. 1.05.)

3.32 Line 30: Terminal — N3 — Channel: Covers N3 Carrier channel equipment.

Count one plant item for each (2-way) channel. (See Par. 1.05.)

3.33 Line 33: Repeater: Covers T Carrier repeaters.

Count one plant item for each repeater. (See Par. 1.05.)

3.34 Line 34: Terminal (Per Channel): Covers T Carrier terminal equipment including terminal power supply.

Count one plant item for each channel terminal.

Commercial Type Carrier Equipment

3.35 Line 40: Repeater: Covers any commercial make of carrier repeater (2-way) or amplifier (one-way).

Count one plant item for each repeater or for each two amplifiers.

3.36 Line 41: Terminal: Covers any commercial make of carrier terminal.

Count one plant item for each channel terminal.

Other Type Carrier Equipment

3.37 Line 42: Repeater: Covers any Western Electric Company carrier repeater not listed above.

Count one plant item for each repeater or for each two amplifiers.

3.38 Line 43: Terminal: Covers any Western Electric Company carrier terminal not listed above.

Count one plant item for each channel terminal.

Miscellaneous Equipment

3.39 Line 44: Misc. Equipment (Per Bay): Covers equipment not covered by another line of this or other work unit form as indicated below:

(a) Equipment in a bay in which *none* of the equipment in that bay is covered by another line of this or other work unit form.

Determine, to nearest one-quarter bay, the amount of equipment (other than fuses, jack panels, ballast lamps and portable testing apparatus) and record this as the number of plant items.

(b) Equipment in a bay in which *some* of the equipment is covered by another line of this or other work unit form.

(1) If the equipment that is covered by another line of this or other work unit form *is unrelated* to the other equipment in that bay, determine to the nearest one-quarter bay the amount of this other equipment (other than fuses, jack panels, ballast lamps and portable testing equipment) and record this as the number of plant items.

(2) If the equipment that is covered by another line of this or other work unit form *is related* to the other equipment in that bay, no plant items should be counted.

Note: Where equipment is installed outdoors or in cabinets, an estimate should be made of the bay or bays it would occupy if installed in bays in the central office.

3.40 Line 45: Total Lines 1 Thru 44: Enter the sums of Lines 1 through 44 in Columns D and E.

3.41 Line 46: Unattended Office Allowance: Enter the total work units for unattended offices (see Par. 1.04) on this line. Multiply Columns A and B by .10 and record in Columns D and E.

3.42 Line 47: Total Work Units: Enter the sum of Lines 45 and 46.

3.43 Line 48: Number of Frames (Bays + Positions): Enter the number of bays and positions of equipment included in the inventory. Partially equipped bays should be estimated to nearest one-quarter bay. Where equipment is installed outdoors or in cabinets, an estimate should be made of the bay or bays it would occupy if installed in bays in the central office.

3.44 Line 49: This Form Includes Equipment in Attended or Unattended Offices As Checked: Enter an "X" in the appropriate box to show whether this form covers equipment in both attended and unattended offices, in attended offices only, or in unattended offices only.

3.45 Line 50: Upkeep Hours on this Equipment Charged to: Enter the subaccount to which upkeep hours for repairs of equipment on this form are charged. Use one sheet for each subaccount.

3.46 City-Office, District, Division, Company-Area, Qtr. Ending: Complete form by filling in office, district, division, company and area. In quarter ending, show either March 31, June 30, September 30 or December 31, and the year.

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BSP 015-707-010

FORM E-4407-A
(1-65)

**UPKEEP WORK UNITS
CENTRAL OFFICE EQUIPMENT - CIRCUIT
(EXCLUDING CARRIER TELEPHONE)**

| PLANT ITEM | | A | B | C | D | E |
|---|--|------------------------------|---------------------------|------------------------------|------------------------|------------------|
| | | NO. OF PLANT ITEMS | | W.U. PER PLANT ITEM | WORK UNITS PER QUARTER | |
| | | OTHER CO. | TOTAL | | OTHER CO. (A x C) | TOTAL (B x C) |
| LINE TERMINAL EQUIPMENT | | | | | | |
| 1 | PHANTOM, COMPOSITE OR FILTER SET | | | | .13 | |
| 2 | SIGNALING CIRCUITS | SINGLE TUBE TYPE | | | 2.49 | |
| 3 | | FREQ. TRANSISTOR TYPE | | | 1.38 | |
| 4 | | COMPOSITE, SIMPLEX OR DX | | | .44 | |
| 5 | | OTHER | | | 1.16 | |
| 6 | 4 WIRE TERM. SETS, RES. OR COIL HYBRIDS | | | | .31 | |
| TEST BOARDS, SERVICE BOARDS AND TEST PANEL EQUIPMENT | | | | | | |
| 7 | TEST OR SERVICE BOARD (BAY OR POS.) | | | | 11.60 | |
| 8 | TEST POSITION | | | | 6.44 | |
| 9 | TEST PANEL | | | | 2.13 | |
| TELEPHONE REPEATER EQUIPMENT | | | | | | |
| 10 | REPEATERS | V OR E TYPE | | | 1.40 | |
| 11 | | 22 OR 44 TYPE | | | 2.22 | |
| 12 | ECHO SUPP. OR COMPANDOR | | | | 5.78 | |
| 13 | LINE BALANCING NETWORK CIRCUIT | | | | .67 | |
| 14 | PILOT WIRE REGULATOR SYSTEM | | | | 31.40 | |
| TELEGRAPH EQUIPMENT | | | | | | |
| 15 | REPEATERS | REGENERATIVE TYPE | | | 12.65 | |
| 16 | | OTHER TYPE | | | 4.76 | |
| 17 | | | | | | |
| 18 | TELETYPEWRITER | | | | 23.20 | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | CARRIER | V.F. & H.F. TERM.(PER CHAN.) | | | 3.96 | |
| PROGRAM AND VIDEO EQUIPMENT | | | | | | |
| 22 | AMPLIFIER (PROGRAM & T.V. AUDIO) | | | | 5.42 | |
| 23 | PROGRAM SWITCHING EQUIPMENT | | | | .98 | |
| 24 | AMPLIFIER - VIDEO | | | | 11.60 | |
| 25 | VIDEO SWITCHING EQUIPMENT | | | | .98 | |
| 26 | VIDEO MONITOR | | | | 24.80 | |
| 27 | T.V. TERMINAL | | | | 43.10 | |
| MISCELLANEOUS EQUIPMENT | | | | | | |
| 28 | AMPLIFIER (OTHER) | | | | 1.20 | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | SPECIAL MISC. ITEM - TYPE A | | | | 1.00 | |
| 32 | SPECIAL MISC. ITEM - TYPE B | | | | 10.00 | |
| 33 | OTHER EQUIPMENT (PER BAY) | | | | 22.00 | |
| 34 | TOTAL LINES 1 THRU 33 | | xx | xx | xx | |
| 35 | UNATTENDED OFFICE ALLOWANCE | | * | * | .10 | |
| 36 | TOTAL WORK UNITS (LINES 34 + 35) | | | | xx | |
| 37 | NUMBER OF FRAMES (BAYS + POSITIONS) | | xx | | | |
| 38 | THIS FORM INCLUDES EQUIP. IN ATTENDED OR UNATTENDED OFFICES AS CHECKED | | | | | |
| 39 | BOTH TYPES OF OFFICES | ATTENDED OFFICES ONLY | UNATTENDED OFFICES ONLY * | | | |
| 40 | UPKEEP HOURS ON THIS EQUIPMENT CHARGED TO | | CITY-OFFICE | | | |
| | ACCOUNT | | DISTRICT | | | |
| | | | DIVISION | | | |
| | | | COMPANY-AREA | | | |
| | | | QTR. ENDING | | | |

* ON FORMS COVERING UNATTENDED OFFICES ONLY, LINE 35 COL.A = LINE 34 COL.D AND LINE 35 COL.B = LINE 34 COL.E

**UPKEEP WORK UNITS
CENTRAL OFFICE EQUIPMENT - CIRCUIT
CARRIER TELEPHONE**

| TYPE CARRIER | PLANT ITEM | A | | B | C | D | | E | |
|--------------|---|------------------------|------------------------|-------|---------------------|------------------------|--|---------------|--|
| | | NO. OF PLANT ITEMS | | TOTAL | W.U. PER PLANT ITEM | WORK UNITS PER QUARTER | | TOTAL (B x C) | |
| | | OTHER CO. | | | | OTHER CO. (A x C) | | | |
| 1 | REPEATER | | | | 9.33 | | | | |
| 2 | TERMINAL | | | | 25.10 | | | | |
| 3 | PILOT CHANNEL 2A OR 2B | | | | 10.30 | | | | |
| 4 | VOLUME LIMITER | | | | 7.07 | | | | |
| 5 | REPEATER | | | | 4.58 | | | | |
| 6 | GROUP | | | | 1.87 | | | | |
| 7 | AMPLIFIER | | | | 1.42 | | | | |
| 8 | GROUP | | | | 1.60 | | | | |
| 9 | H.F. LINE AMPLIFIER | | | | 2.31 | | | | |
| 10 | H.F. LINE REGULATOR | | | | .49 | | | | |
| 11 | H.F. LINE AMPLIFIER | | | | 3.33 | | | | |
| 12 | H.F. LINE REGULATOR | | | | .84 | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | L- TYPE GRP., SUPERGRP., SUBMASTER & MASTER | | | | .40 | | | | |
| 16 | J, K & L CHANNEL BANK | | | | 5.82 | | | | |
| 17 | | | | | | | | | |
| 18 | REPEATER | TUBE TYPE | N | | 4.00 | | | | |
| 19 | | | O & ON | | 4.62 | | | | |
| 20 | | TRANSISTOR TYPE | | | 2.00 | | | | |
| 21 | TERMINAL | N1 | GROUP | | 1.04 | | | | |
| 22 | | | CHANNEL UNIT | | 2.72 | | | | |
| 23 | | O | GROUP & O.W. JUNCTION | | 1.16 | | | | |
| 24 | | | CHANNEL UNIT | | 3.02 | | | | |
| 25 | | ON | GROUP & CABLE JUNCTION | | 1.16 | | | | |
| 26 | | | CHANNEL UNIT | | 3.02 | | | | |
| 27 | | N2 | GROUP | | .52 | | | | |
| 28 | | | CHANNEL | | 1.36 | | | | |
| 29 | | | GROUP & CHANNEL GRP. | | .52 | | | | |
| 30 | | N3 | CHANNEL | | 2.04 | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |
| 33 | T | REPEATER | | | 1.11 | | | | |
| 34 | | TERMINAL (PER CHANNEL) | | | | 1.40 | | | |
| 35 | | | | | | | | | |
| 36 | | | | | | | | | |
| 37 | | | | | | | | | |
| 38 | | | | | | | | | |
| 39 | | | | | | | | | |
| 40 | COMMERCIAL TYPE | REPEATER | | | 4.71 | | | | |
| 41 | | TERMINAL (PER CHANNEL) | | | | 2.36 | | | |
| 42 | OTHER TYPE | REPEATER | | | 4.75 | | | | |
| 43 | | TERMINAL (PER CHANNEL) | | | | 2.92 | | | |
| 44 | MISC. EQUIPMENT (PER BAY) | | | | 22.00 | | | | |
| 45 | TOTAL LINES 1 THRU 44 | | X X | X X | X X | | | | |
| 46 | UNATTENDED OFFICE ALLOWANCE | | * | * | .10 | | | | |
| 47 | TOTAL WORK UNITS | | (LINE 45 + LINE 46) | | X X | | | | |
| 48 | NUMBER OF FRAMES (BAYS + POSITIONS) | | X X | | | | | | |

49 THIS FORM INCLUDES EQUIPMENT IN ATTENDED OR UNATTENDED OFFICES AS CHECKED

| | | |
|-----------------------|-----------------------|--------------------------|
| BOTH TYPES OF OFFICES | ATTENDED OFFICES ONLY | UNATTENDED OFFICES ONLY* |
|-----------------------|-----------------------|--------------------------|

50 UPKEEP HOURS ON THIS EQUIPMENT CHARGED TO

ACCOUNT

| |
|--------------|
| CITY-OFFICE |
| DISTRICT |
| DIVISION |
| COMPANY-AREA |
| QTR. ENDING |

* ON FORMS COVERING UNATTENDED OFFICES ONLY, LINE 46 COL.A=LINE 45 COL.D AND LINE 46 COL.B=LINE 45 COL.E

ALPHABETICAL LIST OF EQUIPMENT

Central Office Equipment — Circuit

(Excluding Carrier Telephone) — Form E-4407A

Central Office Equipment — Circuit — Carrier Telephone — Form E-4407B

Throughout this Alphabetical List the letter "A" or "B" in the Line No. column indicates the line number on Form E-4407A or E-4407B where the item is to be inventoried.

"X" in the Line No. column means that the item is not counted in the inventory.

"#" in the Line No. column after 33-A and 44-B means that the item should be counted on Line 33 of Form E-4407A or on Line 44 of Form E-4407B only if it meets the requirements covered in the text. In general, an item of equipment in a bay of related equipment *is not counted on Line 33-A or 44-B.*

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|--|----------|--|----------|
| ALARM EQUIPMENT | | ALARM EQUIPMENT (Cont'd) | |
| 1000-Cycle Off Frequency Alarm | 33-A# | Individual Alarm Circuit for "L" Type Carrier System | 33-A# |
| Alarm Location Circuit, L Carrier Pilot Alarm (See Pilot Alarm Location Circuit) | — | Level Alarm Circuit | 33-A# |
| Alarm Trunk Circuit, "K" Carrier Repeater Stations | 33-A# | N-1 Carrier Telephone Alarm Equipment | 33-A# |
| Audible Alarm in Private Line Service Positions | 33-A# | Open Circuit Alarm (Telegraph) | 33-A# |
| Audible and Visual Alarm Circuit..... | 33-A# | Radio Station Guardian Alarm Circuit | 33-A# |
| Auxiliary Signal Circuit (V.F. Patch Bay, TDM, H.F., etc.) | 33-A# | Service Alarm No. 2 Telegraph Serviceboard | 33-A# |
| B-1 Alarm and Control System | 33-A# | Supervisory Alarm Relay (43A-1 Telegraph System) | X |
| Carrier Failure (43A-1 Telegraph System) | X | AMPLIFIER | |
| Carrier Failure, Type VF 2-S (40-Type Telegraph Systems) | 33-A# | 1U Amplifier-Rectifier (See Test Equipment 40B TMS) | — |
| Emergency Alarm System (Fire Alarm Circuit) | 33-A# | 1W Noise Amplifier-Rectifiers (See Test Equipment 43A Noise M.S.) | — |
| Gas Pressure Alarm Circuit | 33-A# | Amplifier-Rectifier Circuit Pilot Indicator, L Carrier | 33-A# |
| Grid Supply Alarm and Transfer Circuit Pilot Channel Control, "K" Carrier | 33-A# | Audio Monitor, 124-Type | 28-A |
| Individual Alarm Circuit for "K" Type Carrier System | 33-A# | Blocking, S.F. (Includes Associated Network) | 28-A |
| | | Bridging, Balanced Video | 24-A |
| | | Carrier Terminal, Single Side Band (See Program Carrier Terminal SSB.) | — |

SECTION 015-707-010

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|--|----------|--|----------|
| AMPLIFIER (Cont'd) | | AOIT AND ATTC—FRAME (See Test Equipment) | — |
| Clamper 1B Video (Amplifier Only. For Rectifier, see E-4410) | 24-A | BALANCING NETWORK (See Network Circuits) | — |
| Distribution, Video | 24-A | BATTERY DISTRIBUTING FUSE BAY | X |
| In-Amplifier Type A-2 Video System | 24-A | BLOCKING CONDENSER CIRCUITS (See Condenser Circuits) | — |
| "J" Carrier-Line Type (See Repeater) | — | BLOCKING NETWORKS—DC | 33-A# |
| K-1 Carrier-Deviation Regulator — Automatic (See Regulator, "K" Carrier) | — | BRANCHING AND BRIDGING CIRCUITS, PROGRAM (See Program Branching and Bridging Equipment, Carrier Systems) | — |
| K-1 Carrier-Deviation Regulator — Manual (See Regulator, "K" Carrier) | — | BRIDGE CIRCUITS, PROGRAM AUDIO (See Amplifier, Program) | — |
| "K" Carrier-Line Type | | BRIDGE CIRCUITS, V.F. (Private Line Service) | 33-A# |
| Intermediate | 7-B | CALL CIRCUITS, SLEEVE RELAYS | 33-A# |
| Terminal | 7-B | CALLING-IN, LOOP PAD AND WAVE SHAPING CIRCUIT (No. 2 and No. 9 Telegraph Serviceboards) | 33-A# |
| "K" Carrier-Twist Type | | CARRIER LINE SWITCHING AND TEST PILOT SUPPLY EQUIPMENT, "K" CARRIER | 33-A# |
| Intermediate | 7-B | (Covers any or all of the following:) | |
| Terminal | 7-B | Amplifier Battery Supply Circuit | |
| K1-K2 Carrier-Junction Type | 33-A# | Amplifier Switching Circuit | |
| "K" Carrier Auxiliary Test | 33-A# | Carrier Line Switching Circuit | |
| L-1 Carrier Line-Auxiliary (Plug-in) | 9-B | Test Pilot Supply Amplifier Circuit | |
| L-1 Carrier Line Flat Gain (Plug-in) | 9-B | Test Pilot Supply Distributing Circuit | |
| L-1 Carrier Line Receiving (Plug-in) | 9-B | Test Pilot Supply Oscillator Circuit | |
| L-1 Carrier Line Transmitting (Plug-in) | 9-B | CARRIER SUPPLY CIRCUITS, TELEGRAPH | |
| L-3 Carrier-Flat (Plug-in) | 11-B | 40B-1 Carrier Supply Bay, and Motor Generator (See E-4410, Motor Generator Sets) | — |
| L-3 Carrier-Line (Plug-in) | 11-B | 140A-1 Carrier Supply Base Oscillator | 33-A# |
| Monitor Private Line Service Bay | 28-A | 140A-1 Carrier Supply Channel Frequency Oscillator | 33-A# |
| "N" Carrier Flat Gain (2) | 20-B | | |
| Out-Amplifier Type A-2 Video System | 24-A | | |
| Program, 14-Type (Includes Bridge Circuits) | 22-A | | |
| Receiving Terminal, Video (RTA) | 24-A | | |
| Type 12C VA and VB Program (Includes Bridge Circuit) | 22-A | | |
| Type 29A Program (Includes Bridge Circuits) | 22-A | | |
| Type 44A, Modified for Program | 22-A | | |
| Type 100 | 28-A | | |
| Type V-3 (See Repeaters) | — | | |

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|---|----------|--|----------|
| CARRIER SUPPLY CIRCUITS, TELE- GRAPH (Cont'd) | | CARRIER SUPPLY EQUIPMENT (Cont'd) | |
| 140A-1 Carrier Supply Distributing Circuit | 33-A# | Pilot Generator Bay, L-3 | 33-A# |
| 140A-1 Carrier Supply Level Alarm .. | 33-A# | (Covers any or all of the following:) | |
| 140A-1 Carrier Supply Low Voltage Alarm and Transfer Circuit | 33-A# | Pilot Generator Panel, 308, 556, 2064, 3096, 7266, 8320 KC | |
| 140A-1 Carrier Supply Voltmeter Test Circuit | 33-A# | Pilot Transfer Panel, 308, 556, 2064, 3096, 7266, 8320 KC | |
| Service Monitor Panel, 140A Carrier Supply | 33-A# | Pilot Supply and Primary Frequency Bay Equipment, L-1 | 33-A# |
| CARRIER SUPPLY EQUIPMENT | | (Covers any or all of the following:) | |
| 57A Oscillator (L-3) Pilot Supply..... | 33-A# | 4 KC Frequency Supply | |
| Carrier Frequency Generator Bay, L-3 | 33-A# | 4 KC Harmonic Generator Panel | |
| (Covers any or all of the following:) | | 92 KC Group Pilot Distributing Panel | |
| 520 KC Harmonic Generator Panel | | Frequency Comparison Panel | |
| 13 MC Carrier Amplifier Panel | | Pilot Supply, 64, 556, 2064, 3096 KC | |
| 14.04 MC Carrier Amplifier Panel | | Synchronizing Frequency Amplifier | |
| 15.6 MC Carrier Amplifier Panel | | Primary Carrier and Pilot Distributing Bay, L-3 | 33-A# |
| 18.2 MC Carrier Amplifier Panel | | (Covers any or all of the following:) | |
| Carrier and Pilot Generator Unit | | 4139 KC TV Reference Frequency Panel | |
| Intermediate Frequency Converter Panel | | Carrier Emergency Alarm Panel | |
| Primary Frequency Converter Panel | | Idle Indicator Relays for Carrier Supply | |
| Transfer and Control Panel, 13.0, 14.04, 15.6 and 18.2 MC | | Pilot Combining Panel, 308, 556, 2064, 3096, 7266, 8320 KC | |
| Channel Carrier Supply Equipment J, K and L Carrier | 33-A# | Pilot Distributing Panel | |
| (Covers any or all of the following:) | | Primary Carrier Distributing Panel, 13.0, 14.04, 15.6 and 18.2 MC | |
| 4 KC Harmonic Generator | | Stand-by Pilot Alarm Panel | |
| 124 KC Filter | | Transfer Relay Unit for Carrier Supply L-3 | |
| Odd Channel Distributing Panel | | S.F. Signaling Supply Oscillator Unit | 33-A# |
| Even Channel Distributing Panel | | S.F. Signaling Supply Transfer Unit | 33-A# |
| Generator Transfer Panel | | Supergroup Carrier Supply Bay "L" Carrier | 33-A# |
| Group Carrier Filter Panel | | (Covers any or all of the following:) | |
| EB Bank Carrier Oscillator Circuit, 3700-Cycle | 33-A# | 124 KC Harmonic Generator Panel | |
| Group Carrier Supply Bay-L Carrier | 33-A# | Supergroup Carrier Amplifier | |
| (Covers the following:) | | Supergroup Carrier Distributing Panel | |
| Group Carrier Amplifier | | | |
| Group Carrier Distributing Panel | | | |

SECTION 015-707-010

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|---|----------|--|----------|
| CARRIER SUPPLY EQUIPMENT (Cont'd) | | CARRIER TELEGRAPH | |
| Supply Bay-Type "J" Carrier | 33-A# | 40A-1 Carrier Telegraph Terminal Equipment | 21-A |
| (Covers any or all of the following:) | | 40B-1 Carrier Telegraph Terminal Equipment | 21-A |
| 5 KC Oscillator Panel | | 40C-1 Carrier Telegraph Terminal Equipment | 21-A |
| Carrier Generator Circuit | | 40C-1 V.F. CXR Modified for Overseas | 21-A |
| Carrier Generator Transfer Circuit | | 43A-1 Carrier Telegraph Channel Terminal Equipment | 21-A |
| Group Carrier Supply Alarm Circuit | | Double Modulation, Diversity (Scrambler for Overseas) | 21-A |
| Group Carrier Supply Amplifier | | All Other Carrier Telegraph Terminals | 21-A |
| Pilot Channel Supply Equipment | | | |
| Supply Bay-Type "K" Carrier | 33-A# | CARRIER TERMINALS | |
| (Covers any or all of the following:) | | "C" Type | 2-B |
| 120 KC Amplifier and Filter | | "H" Type | 43-B |
| 120 KC Distributing Amplifier and Filter | | Commercial Type | 41-B |
| 120 KC Distributing Panel | | EB Terminals | 43-B |
| Carrier Generator Transfer | | "T" Type | 34-B |
| Pilot Channel Supply | | CHANNEL BANK EQUIPMENT | |
| Pilot Channel Supply Alarm Amplifier Rectifier | | Type A-1, A-2, A-3, A-4, A-5 for Use with J, K and L Carrier | 16-B |
| Pilot Channel Supply Alarm and Emergency Filter | | CHANNEL UNIT EQUIPMENT | |
| Pilot Channel Supply Stabilizing and Distributing Panel | | "N1" Type Carrier | 22-B |
| Supply Bay-Type "N3" Carrier | 33-A# | "N2" Type Carrier | 28-B |
| (Covers any or all of the following:) | | "N3" Type Carrier | 30-B |
| Primary Distribution Panel | | "O" Type Carrier | 24-B |
| Harmonic Generator and Filter | | "ON" Type Carrier | 26-B |
| Carrier Supply Alarm Panel | | "O" Twin Channel Carrier Unit | X |
| Power Supply | | COAXIAL PATCH CORD TEST CIRCUIT (See Test Panel) | |
| 4 KC Oscillator and Amplifier Units | | — | |
| Carrier Supply Dual Amplifier Units | | COILS, HYBRID | 6-A |
| Carrier Supply Doubler Amplifier Units | | COILS, REPEAT, ALL TYPES | 1-A |
| CARRIER SYSTEM | | COILS, REPEAT, BALANCING, ALL TYPES | 1-A |
| Program Terminals (See Program Carrier Terminal) | — | COILS, RETARD, ALL TYPES | X |

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|--|----------|---|----------|
| COMMON TALK BATTERY CIRCUITS | 33-A# | COUPLING UNITS | |
| COMPANDOR | 12-A | 144 Type | 33-A# |
| COMPOSITE BALANCE SETS, ALL TYPES | 1-A | CROSSTALK BALANCING BAYS, "K" CARRIER | 33-A# |
| COMPOSITE SETS, ALL TYPES | 1-A | DATA TERMINAL B1 | 33-A# |
| COMPOSITE SIGNALING (See Signaling Circuits) | — | DELAY EQUALIZERS, PRIVATE LINE SERVICES — (See Equalizer Equipment) | — |
| COMPOSITE SIGNALING LINE BAY (See Testboards, Telephone) | — | DIRECTOR CIRCUIT FOR SPLIT OPERATION ASSOCIATED WITH 106-TYPE REGENERATIVE REPEATER | 33-A# |
| CONCENTRATOR, SUBSCRIBER LINE | 33-A# | DISTRIBUTING CIRCUIT, NEGATIVE 330-VOLT (No. 2 and No. 9 Telegraph Testboards) | 33-A# |
| CONDENSER CIRCUITS USED WITH 10-TYPE RINGERS | 33-A# | DUAL USE SWITCHING RELAYS (See Switching Circuits, Telegraph) | — |
| CONDENSER, ELECTROLYTIC CHARGING CIRCUIT | 9-A | EB TWO-CHANNEL SYSTEM (See Carrier Terminals) | — |
| CONFERENCE BRIDGE CIRCUIT | 33-A# | ECHO SUPPRESSOR | |
| CONFERENCE HOLD AND DISABLING CIRCUIT, TOLL | 33-A# | Type 1A | 12-A |
| CONFERENCE SERVICE CIRCUIT, TOLL | 33-A# | Type 44A | 12-A |
| CONFERENCE TRUNK, TOLL | 33-A# | VOLCAS (Telephone Repeater Voice Operated Loss Control and Suppressor Circuit) | 12-A |
| CONVERTERS, SIGNALING (See Signaling Circuits) | — | EQUALIZER EQUIPMENT | |
| CORD CIRCUITS, TELEGRAPH | | Deviation | 33-A# |
| Auxiliary Teletypewriter | 33-A# | Private Line Service | 33-A# |
| Direct — Leg Monitor | 33-A# | Program Transmission | 33-A# |
| Direct — Leg Teletypewriter | 33-A# | Telegraph | 33-A# |
| Legs Patching | 33-A# | Television Transmission | 33-A# |
| Loop Monitoring and Meter Test | 33-A# | EXPANDOR (See Compandor) | — |
| Neutral | 33-A# | FILTERS | |
| Telegraph Connecting | 33-A# | Type 32 | 1-A |
| Telegraph Cord and Set Circuit | 33-A# | Type 128 | 1-A |
| Telephone Cord and Set Circuit (No. 2 and No. 9 Telegraph Serviceboards) | 33-A# | FLAT GAIN REGULATOR, "K" CARRIER (See Regulator, "K" Carrier) | — |
| Teletypewriter Cord and Set Circuit | 33-A# | FUSE BAYS | X |
| Test Signal | 33-A# | | |
| Trouble Indicator | 33-A# | | |

SECTION 015-707-010

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|---|----------|--|----------|
| FUSE PANELS | X | HEADSETS, OPERATOR TYPE (See E-4406) | — |
| GAS PRESSURE ALARM CIRCUIT (See Alarm Equipment) | — | HIT INDICATOR CABINET, TELEGRAPH | 8-A |
| GRID BATTERY, COMMON, DISCHARGE CIRCUIT, "K" CARRIER | 44-B# | HIT INDICATOR CONTROL CIRCUIT AND LEG-HUB RELAY TERMINATING (No. 2 Telegraph Serviceboard) | 33-A# |
| GRID BATTERY DISTRIBUTING CIRCUIT, "K" CARRIER | 44-B# | HIT INDICATOR CONTROL CIRCUIT, TELEGRAPH | 33-A# |
| GRID BATTERY SUPPLY ALARM CIRCUIT, "K" CARRIER | 44-B# | HUB JACK RELAY, HUB POTENTIOMETER AND SLEEVE RESISTANCE CIRCUIT | 33-A# |
| GRID BATTERY SUPPLY CIRCUIT, "K" CARRIER | 44-B# | HYBRID COILS (See Coils, Hybrid) | — |
| GRID BATTERY SUPPLY, COMMON, TYPE "K" CARRIER | 44-B# | HYBRID, RESISTANCE (See Terminating Sets) | — |
| GRID POTENTIAL SUPPLY CIRCUIT | 33-A# | IDLE INDICATING CONTROL CIRCUIT (No. 2 Telegraph Serviceboard) | 33-A# |
| GRID SUPPLY, COMMON, FOR 22-TYPE TELEPHONE REPEATERS | 33-A# | INTERCONNECTION CIRCUIT FOR 40-TYPE CARRIER TELEGRAPH AND VARIOUS LINE FACILITIES | 33-A# |
| GRID SUPPLY 85-VOLT RECTIFIER, "K" CARRIER (See Rectifier E-4410) | — | JACK CIRCUITS | |
| GROUP CARRIER EQUIPMENT | | Bridge Circuits, PLS (Part of Private Line Service) | X |
| "J" Type | 6-B | Jack Fields (See Test Panels) | — |
| "K" Type | 8-B | KEY CABINET, No. 20 or No. 21 | 9-A |
| "L" Type | 15-B | LEGS PATCHING CORD CIRCUIT (See Cord Circuits, Telegraph) | — |
| Master Group, "L-3" Type (See Master Group Equipment) | — | LEGS RELAY CIRCUITS | 33-A# |
| "N1" Type | 21-B | LEGS SWITCHING CIRCUIT (See Switching Circuits, Telegraph) | — |
| "N2" Type | 27-B | LEVEL COMPENSATOR CIRCUIT TELEPHOTOGRAPH 71A-1 | 33-A# |
| "N3" Type | 29-B | LINE NOISE SUPPRESSOR CIRCUIT (See Suppression Circuit) | — |
| "O" Type and Open Wire Junction | 23-B | LINE TERMINAL EQUIPMENT, TELEGRAPH (See Jack Circuits) | — |
| "ON" Type and Cable Junction | 25-B | LOOP AND ADJUSTABLE PAD CIRCUITS (See Pad Circuits) | — |
| Submaster (See Submaster Group Carrier Equipment) | — | | |
| Supergroup (See Supergroup Carrier Equipment) | — | | |
| GROUP CONNECTOR CIRCUIT J-K | 44-B# | | |
| GROUP CONNECTOR CIRCUIT J-L | 44-B# | | |
| GROUP CONNECTOR CIRCUIT K-K | 44-B# | | |
| GROUP CONNECTOR CIRCUIT K-L | 44-B# | | |
| GROUP CONNECTOR CIRCUIT L-L | 44-B# | | |

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|--|----------|---|----------|
| LOOP AND EQUIPMENT JACK, LOOP PATCHING CORD, AND LOOP PAD FOR 90A2 LOOP REPEATERS | 33-A# | OPEN CIRCUIT ALARM (See Alarm Equipment) | — |
| LOOP MONITORING AND METER TEST CORD CIRCUIT (See Cord Circuits, Telegraph) | — | OPEN CIRCUIT SECTIONALIZER (See Sectionalizer, Open Circuit for Telegraph Systems) | — |
| LOOP PADS (See Pad Circuits) | — | OPERATOR'S TELEPHONE SET (See E-4406) | — |
| LOOP PADS, LEG RELAYS | 33-A# | ORDER WIRE CIRCUITS (See Telephone Order Wire Circuits) | — |
| LOOP PADS, WAVESHAPING AND CALLING-IN CIRCUIT (No. 2 and No. 9 Telegraph Serviceboards) | 33-A# | OUTPUT LINE BRIDGING CIRCUIT ("K" Carrier) | 33-A# |
| LOOP REPEATER TEST CIRCUIT | 33-A# | PAD CIRCUITS | |
| MASTER GROUP EQUIPMENT, TYPE L-3 | 15-B | 1-C Sockets (Associated with Circuit Patch Bays No. 4 and No. 5 Switching Systems) | 8-A |
| MILLIWATT DISTRIBUTING CIRCUIT | 33-A# | 1-C Sockets (All Other) | 33-A# |
| MISCELLANEOUS (See specific item name under Alphabetical Listing — items not listed, see text) | — | Fixed Pad Circuits (3 db, 10 db, 17 db, 23 db, etc) | 33-A# |
| MONITOR AND TALK CIRCUITS (See Test Panel) | — | Loop and Adjustable Pad (Telegraph) | 33-A# |
| MULTIPLE SENDER, 110C-1 (See Sender) | — | Loop Pads, Waveshaping and Calling-in Circuit (No. 2 and No. 9 Telegraph Serviceboards) | 33-A# |
| NEGATIVE 330-VOLT DISTRIBUTING CIRCUIT (See Distributing Circuit, Negative 330-Volt) | — | PATCH CORD TEST CIRCUIT, "L" CARRIER—COAXIAL (See Test Panel) | — |
| NEGATIVE 330-VOLT RECTIFIER CIRCUIT (See Rectifier, E-4410) | — | PATCHING BAYS | |
| NETWORK CIRCUITS, TELEGRAPH | | 2-Wire (Associated with No. 8 and No. 18B Testboards and Other 2-Wire Testboards) | 8-A |
| Central Office (Antikickback) | 33-A# | Assignment | 8-A |
| NETWORK CIRCUITS, TELEPHONE | | Carrier Program High Frequency | 8-A |
| Blocking, S.F. (2400- or 2600-Cycle) | 33-A | "C" Carrier | X |
| Compromise | 33-A | "EB" System Patch Jack Fields | X |
| Open Wire and Cable Line Balancing (See Text) | 13-A | High Frequency "J" Carrier | 8-A |
| NOISE MEASURING EQUIPMENT (See Test Equipment) | — | High Frequency "K" Carrier | 8-A |
| | | High Frequency "L" Carrier | 8-A |
| | | Jack Field Unit Associated with Audio Program Transmission | X |
| | | L-1 Carrier Line Bay | 8-A |

SECTION 015-707-010

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|--|----------|---|----------|
| PATCHING BAYS (Cont'd) | | POWER SUPPLY 85-VOLT REGULATED TUBE RECTIFIER, "K" CARRIER GRID SUPPLY (See Rectifier E-4410) | |
| L-3 Carrier Line Bay | 8-A | POWER SUPPLY CIRCUIT, 55-VOLT AC "K" CARRIER | 33-A# |
| L-3 Miscellaneous Jack Field and Switching Equipment (Primary Board, SW Control Indicating and Order Wire Jacks) | 33-A# | PROGRAM BRANCHING AND BRIDGING EQUIPMENT, CARRIER SYSTEMS | 33-A# |
| No. 2 Telegraph Facility Board (See Testboards, Telegraph) | — | PROGRAM CARRIER TERMINAL SINGLE SIDEBAND | 33-A# |
| Order Wire Jack Field Terminations | X | PROGRAM SWITCHING EQUIPMENT (See Switching Arrangements) | — |
| Seal Test Terminal, "K" Carrier | 8-A | PULSE LINK, AUXILIARY SIGNALING (See Signaling Circuits) | — |
| Supergroup High Frequency | 8-A | PULSE LINK REPEATERS, AUXILIARY | 4-A |
| Tandem | 8-A | RECORDERS | |
| TDL Line Bay | 8-A | Esterline Angus (Bay Mounted) | 9-A |
| Voice Frequency (All Type Carrier System) | 8-A | Multipen Recorder (Bay Mounted) | 9-A |
| PILOT ALARM LOCATION CIRCUIT, L CARRIER (See Test Panel, Telephone) | — | Varian and All Other Chart Type (Bay Mounted) | 9-A |
| PILOT CARRIER SUPPLY (See Carrier Supply) | — | RECTIFIER, NEGATIVE 330-VOLT (See Rectifier, E-4410) | — |
| PILOT CHANNEL, TYPE "C" CARRIER | 3-B | RECTIFIER, REGULATED TUBE 85-VOLT GRID SUPPLY, "K" CARRIER (See Rectifier, E-4410) | — |
| PILOT CHANNEL CONTROL CIRCUIT, TYPE "J" CARRIER | 33-A# | REGULATOR, CARRIER LINE | |
| PILOT WIRE REGULATOR, "K" CARRIER (See Regulator) | — | "J" Carrier Regulating Amplifier (See Repeater) | — |
| PILOT WIRE REGULATOR SYSTEM (Voice Circuit) | 14-A | "L-1" Type H.F. Line (Plug-in) | 10-B |
| PLUGGING-UP CIRCUIT FOR LINE OR LOOP LEGS (Telegraph) | 33-A# | "L-3" Type H.F. Line (Plug-in) | 12-B |
| POSITION ALARM RELAYS (No. 9 Telegraph Serviceboard) | 33-A# | "N and ON2" Type Deviation | 33-A# |
| POSITION AND POWER CONTROL CIRCUIT (No. 9 Telegraph Serviceboard) | 33-A# | REGULATOR, "K" CARRIER SYSTEM | |
| POSITION CIRCUITS, 17-C TESTBOARD | X | Amplifier Type (See Amplifier) | — |
| POWER CONTROL BAY, L CARRIER .. | 33-A# | K-1 Carrier-Deviation — Automatic | 33-A# |
| | | K-1 Carrier-Deviation — Manual | 33-A# |

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|--|----------|---|----------|
| REGULATOR, "K" CARRIER SYSTEM (Cont'd) | | REPEATERS, TELEGRAM (Cont'd) | |
| Master Flat Gain Controller and Distributing Circuit Transmission Regulation | 33-A# | Regenerative 143 Type | 15-A |
| Master Twist Controller and Distributing Circuit | 33-A# | Terminal Metallic | 16-A |
| Pilot Channel Control and Gain Deviation Limiter Circuit "K" Carrier Transmission Regulation | 33-A# | TWX Single Line | 16-A |
| REPEAT COILS (See Coils, Repeat) | — | Type 107A-1 Control Circuit Terminal Repeater for Use on Cable Lines and Telephotograph Station Loop Circuits (See Level Compensator 71A-1) | — |
| REPEAT CYCLE SWITCHING CIRCUIT (See Switching Circuits, Telegraph) | — | REPEATERS, TELEPHONE | |
| REPEATER, CARRIER SYSTEM | | Toll Conference | 11-A |
| "C" Type | 1-B | Type 2A2 | 11-A |
| "H" Type | 42-B | Type 22A | 11-A |
| "J" Type | 5-B | Type 24A | 11-A |
| "N" Type (tube) | 18-B | Type 44A-1, (Other Than Program) | 11-A |
| "N" Type (transistor) | 20-B | Type 44A-1, (Program) | 22-A |
| "O" Type | 19-B | Type 22V4, 24V4 & 44V4 | 11-A |
| "ON" Type | 19-B | Type V-1 (Other Than Program) | 10-A |
| "T" Type | 33-B | Type V-3 (Amplifiers Other Than Program) | 10-A |
| Commercial Type | 40-B | Type V-3 (Program) | 22-A |
| Other Bell System Type | 42-B | Type V-4 (Except 22, 24 or 44) | 10-A |
| REPEATERS, TELEGRAPH | | RESISTANCE HYBRIDS (See Terminating Sets, 4-Wire) | — |
| 10 Type | 16-A | RINGERS (See Signaling Circuits) | — |
| 12 Type | 16-A | SECTIONALIZER, OPEN CIRCUIT FOR TELEGRAPH SYSTEMS | 33-A# |
| 13 Type | 16-A | SENDER, MULTIPLE, 110C-1 TESTING AND MAINTENANCE (Telegraph) | 33-A# |
| 16 Type | 16-A | SEND PANEL 2A (Milliwatt Supply) | 33-A# |
| 17 A-1 | 16-A | S.F. SIGNALING SUPPLY OSCILLATOR (See Carrier Supply Equipment) | — |
| 20 Type | 16-A | SIGNAL CONVERTERS (See Signaling Circuits) | — |
| 90 Type | 16-A | SIGNAL LEAD EXTENSION CIRCUITS (See Signaling Circuits) | — |
| 96 Type | 16-A | | |
| Direct Leg Adapters | 16-A | | |
| Regenerative 102 Type | 15-A | | |
| Regenerative 106 Type | 15-A | | |

SECTION 015-707-010

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|--|----------|---|----------|
| SIGNALING CIRCUITS | | SINGLE SIDEBAND PROGRAM EQUIPMENT (See Program Carrier Terminal S.S.B.) | |
| 64C-1 Selector Signaling System (Telegraph) | 33-A# | | — |
| Answering Jack Relay Circuit for Morse Subscribers Calling-in Signal.... | X | SUBMASTER GROUP CARRIER EQUIPMENT, TYPE L | 15-B |
| Auxiliary Pulse Link Signaling Circuit | 4-A | SUBSCRIBERS LINE TEST UNIT (No. 9 Telegraph Serviceboard) | 33-A# |
| Auxiliary Signal Circuit (VF, TDM, and H.F. Patch Bays) (See Alarm ment) | — | SUPERGROUP CARRIER EQUIPMENT, TYPE L | 15-B |
| Composite Signaling | 4-A | SUPERGROUP CONNECTOR CIRCUIT, L CARRIER | 44-B# |
| Converters | 5-A | SUPPRESSION CIRCUIT LINE NOISE (Telegraph) | 33-A# |
| Dial Long Lines | 33-A | SUPPRESSION CIRCUIT, TELEGRAPH THUMP | 33-A# |
| Long Trunk Circuits | 33-A | SWITCHING ARRANGEMENTS | |
| Ringer Type 10 (20-cycle to DC) | 5-A | Amplifier Reversing Circuit, Program | 23-A |
| Ringer Type 11 (20-cycle to 20-cycle).... | 5-A | Carrier Line Switching, "K" Carrier (See Carrier Line Switching and Test Pilot Supply Equipment, "K" Carrier) | — |
| Ringer Type 20 (135-cycle — DC) | 5-A | Control and Reversing Circuit, Program | 23-A |
| Ringer Type 21 (135-cycle — 20-cycle) | 5-A | L-1 Carrier Line Switch and Switch Control Circuit | 44-B# |
| Ringer Type 22 (135-cycle—135-cycle) | 5-A | Line Switching Relay and Preselection Circuit, Program | 23-A |
| Ringer Type 30 (1000-cycle — DC) | 5-A | Metallic Reversing Control Circuit, Program | 23-A |
| Ringer Type 31 (1000-cycle—20-cycle) | 5-A | Primary Control and Reversing Circuit, Program | 23-A |
| Ringer Type 32 (1000-cycle — 135-cycle) | 5-A | Secondary Control and Reversing Circuit, Program | 23-A |
| Selective Signaling Units for Private Line Service Using Standard 20-, 135- and 1000-Cycle Signaling Equipment.... | 5-A | Switch Relay | 33-A# |
| S.F. Units, Tube Type | 2-A | TD-Radio Remote-Control Circuit for 223-Type Switches (DC Control and Sequence Signal Control) | 33-A |
| S.F. Units, Transistor Type | 3-A | Transfer Relays | 33-A# |
| Signal Lead Extension Circuit, Type EMX-1 (DX-1) | 4-A | V-1 Telephone Repeater (See Test Panel) | — |
| Signal Lead Extension Circuit, Type EMX-2 (DX-2) | 4-A | Video Pushbutton Switch Panel | 25-A |
| SS-1 Selective Signaling System for Order Wire (See Telephone Order Wire) | — | Video Switching and Control System (TV Program SW) | 25-A |
| SS-1 Selective Signaling System for Private Line Services | 33-A# | | |
| SIGNALING SUPPLY AND DISTRIBUTING CIRCUIT, 1000-CYCLE | 33-A# | | |

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|--|----------|---|----------|
| SWITCHING ARRANGEMENTS FOR PRIVATE LINE SERVICES (Typical Types) | 33-A# | TELEPHONE ORDER WIRE EQUIPMENT USING SS-1 SELECTIVE SIGNALING SYSTEM (Cont'd) | |
| 2-Wire — 4-Wire Switch Circuits | | Code Area Unit | |
| Auxiliary Control Relays | | Dial Connecting Unit | |
| Cable Line Relays | | Dial Transfer Unit | |
| Idle Loop Switching Relays | | Hybrid Coil Unit | |
| Loop Switching Relays | | Loudspeaker Multiple Bridge Unit | |
| Multistation Line EQ and Other Similar Circuits | | Telephone Unit | |
| SWITCHING CIRCUITS, TELEGRAPH | | Timer and Termination Unit | |
| Dual Use Switching Relays (Telegraph) | 33-A# | TELEPHONE ORDER WIRE EQUIPMENT WITH DC SELECTIVE SIGNALING | 33-A# |
| Legs Switching (No. 2 and No. 9 Telegraph Serviceboards) | 33-A# | TELEPHONE ORDER WIRE AND ALARM EQUIPMENT, N-1 CARRIER .. | 33-A# |
| Repeat Cycle (Telegraph) | 33-A# | TELEPHONE ORDER WIRE SEQUENCE SIGNALING EQUIPMENT (Covers any or all of the following:) | 33-A# |
| All Other | 33-A# | Auxiliary Sequence Signaling Unit | |
| SWITCHING, "K" CARRIER LINE (See Carrier Line Switching and Test Pilot Supply, Type "K") | — | Multiple Connector Unit | |
| SWITCHING, MULTILINE | | Sequence Signaling Receiver | |
| L-3 Carrier Automatic Line Switching (Receiving) | 44-B | Sequence Signaling Transmitter | |
| L-3 Carrier Automatic Line Switching (Transmitting) | 44-B | Sequence Signaling Translator | |
| TELEPHONE LINE CIRCUITS FOR TELEGRAPH | | Sequence Signaling Unit | |
| Telephone Line Circuits for Loop | 33-A# | Telephone Unit | |
| TELEPHONE ORDER WIRE 600-1500 CYCLE RECEIVING PANEL FOR SELECTIVE SIGNALING | 33-A# | Transmitter Control Unit | |
| TELEPHONE ORDER WIRE EQUIPMENT FOR USE WITH 600-1500 CYCLE SELECTIVE SIGNALING AND 1000 CYCLE RINGDOWN SIGNALING | 33-A# | Trunk Unit Arranged for 20-Cycle Signaling | |
| TELEPHONE ORDER WIRE EQUIPMENT USING SS-1 SELECTIVE SIGNALING SYSTEM (Covers any or all of the following:) | 33-A# | Trunk Unit, Arranged for DC Signaling | |
| 100-Ohm Sleeve Relay Unit | | Trunk Unit for PBX or CO Line | |
| 500-Ohm Sleeve Relay Unit | | Vibrating Reed Selectors | |
| 1800-Ohm Sleeve Relay Unit | | TELEPHOTO LEVEL COMPENSATOR CIRCUIT (See Level Compensator Circuit Telephoto 71A-1) | — |
| | | TELETYPEWRITER EQUIPMENT | |
| | | 14 Reperforator | 18-A |
| | | 14-Type Teletypewriter | 18-A |
| | | 15-Type Teletypewriter | 18-A |
| | | 19-Type Teletypewriter | 18-A |

SECTION 015-707-010

| EQUIPMENT NAME | LINE NO. | EQUIPMENT NAME | LINE NO. |
|--|----------|---|----------|
| TELETYPEWRITER EQUIPMENT (Cont'd) | | TESTBOARDS, TELEPHONE (Cont'd) | |
| 20-Type Teletypewriter | 18-A | Trouble Reporting Position for 17-B and 17-C Testboards (1st attempt) 4 Positions — 1 Testboard | 7-A |
| 28-Type Teletypewriter | 18-A | Type 17-B | 7-A |
| 81-B-1 Cutting Arrangement | 33-A# | Type 17-C | 7-A |
| 200 ABTD (15-Type Modified for ATTC) | 18-A | Type 18-B | 7-A |
| Concentrator-Distributor | 33-A# | Type No. 4 | 7-A |
| Nontyping Selector | 33-A# | Type No. 5 | 7-A |
| Sotus | 33-A# | Type No. 8 | 7-A |
| Transmitter-Distributor | 33-A# | | |
| TELEVISION MONITOR (See Video Monitor) | — | TEST EQUIPMENT, TELEGRAPH | |
| TELEVISION OPERATING POSITION KEY AND TELEPHONE SET EQUIPMENT | 8-A | Portable | X |
| TELEVISION TERMINALS | | 118C Type Telegraph Transmission Measuring Set (Includes Jack, Key, Lamp and Meter Circuit at Testboard Position) | 8-A |
| “L” Carrier Type B-2, C-2, B-3, C-3, R-3 or T-3 (For Rectifier, see E-4410) .. | 27-A | 160A-1 Carrier Telegraph Test Set | 8-A |
| TERMINATING SETS, 2-WIRE | 33-A | 165C-1 Transmission Measuring Set (See Test Panel, Telegraph) | — |
| TERMINATING SETS, 4-WIRE | | TEST EQUIPMENT, TELEPHONE | |
| All Types | 6-A | Portable | X |
| Resistance Hybrid | 6-A | 2A Toll Test Unit | 8-A |
| TESTBOARDS, TELEGRAPH | | 6A Transmission Measuring System .. | 8-A |
| No. 2 Facility Board | 7-A | 6C Oscillator | 8-A |
| No. 2 Service | 7-A | 6E Oscillator | 8-A |
| No. 4 Type | 7-A | 7B Transmission Testboard | 8-A |
| No. 5 Type (Modified) | 7-A | 13A Oscillator | 8-A |
| No. 9 Type | 7-A | 17B Oscillator | 8-A |
| No. 9B Type | 7-A | 27A Sending Console for Transmission Measurement | 8-A |
| No. 10A Type | 7-A | 27B Receiving Console for Transmission Measurement, L-3 Carrier | 8-A |
| No. 15 Type | 7-A | 31A Visual Transmission Measuring Set | 8-A |
| TESTBOARDS, TELEPHONE | | | |
| Composite Signaling Line Bay | 8-A | | |
| Intermediate Data Bridge Bays | 8-A | | |
| Private Line Service | 7-A | | |

| EQUIPMENT NAME | LINE NO. |
|--|----------|
| TEST EQUIPMENT, TELEPHONE (Cont'd) | |
| 37A or 37C Cosine Equalizer Adjustment Set | 8-A |
| 40B Transmission Measuring System (Includes 43A Noise Measuring Circuit) | 33-A# |
| 40B Transmission Measuring System (Mobile Bay) | 8-A |
| 43A Noise Measuring Circuit (See Test Equipment 40B TMS) | — |
| 44A Transmission Measuring System.... | 8-A |
| 46A Transmission Measuring System (Phase and Delay L-1 Circuit) | 8-A |
| 53A Mobile Oscillator | 8-A |
| 92 KC Transmission Measuring Circuit L Carrier High-Frequency Bays..... | 9-A |
| AOIT Frame | 8-A |
| ATTC Frame | 8-A |
| "C" Carrier Mobile Test Bay | 8-A |
| "D" Spec. Analyzer, L-1 Carrier (97B) | 8-A |
| L-1 Test Bench (Regulator Repair and Repeater Test Equipment) (3 Bays = 1 Test Position) (For Rectifier, see E-4410) | 8-A |
| L-3 Test Bench (4 Bays = 1 Test Position) (For Rectifiers, see E-4410) | 8-A |
| "N" and "ON" Carrier Mobile Test Bay | 8-A |
| Oscillator 14A | 8-A |
| Oscillator 19C Bay Mounted | X |
| Oscillator 6010B | 8-A |
| Signal, Type 1A Bay Mounted | X |
| Signal, Type SS1 Bay Mounted | X |
| Singing Point Type 2E Bay Mounted 17-C Testboard | X |
| TEST PANEL, TELEGRAPH | |
| 6th Pulse Suppression Test Set | 9-A |
| 119C Telegraph Signal Distorting Test Set (Includes All Extension Circuits) | 9-A |

| EQUIPMENT NAME | LINE NO. |
|--|----------|
| TEST PANEL, TELEGRAPH (Cont'd) | |
| 165A Test Set | X |
| 165B Test Set | X |
| 165C Test Set | 9-A |
| Cord Continuity Test Circuit | 9-A |
| Loop Adjust Indicating Circuit | 9-A |
| "N" Response Test Set | 9-A |
| Polar Relay Test Panel, 111A-2 (See Test Panel, Telephone) | 9-A |
| Signal Analyzer, TSA-2A TOWACO | X |
| Stability Test Set, 117A-1, 117B-1 | 9-A |
| Stelma Multichannel Distortion Monitor | 9-A |
| Telegraph Monitoring Panel, 40B Carrier | 9-A |
| Telegraph Signal Biasing Circuit, 119A (Includes All Extension Circuits) | 9-A |
| TOWACO Telegraph Monitor, TSM-1.. | X |
| Transmitter Start Circuit, 81-B-1 | 9-A |
| TEST PANEL, TELEPHONE | |
| 1B Impedance Bridge Desk (See Test Equipment, 7B TMB) | — |
| 20- and 135-Cycle Ringer Test Panel.... | 9-A |
| 20-Cycle DC Signaling Test Circuit.... | 9-A |
| 22-Type Repeater, Jack Field | X |
| 44-Type Repeater, Jack Field | X |
| 111A-2 Relay Test Panel for Polar Relays | 9-A |
| 116A-1, B-1, C-1 Relay Test Panel for Polar Relays | 9-A |
| 523A Ringer Test Panel | 9-A |
| 525A Panel Testing and Adjusting Set | 9-A |
| 546A Ringer Test Panel | 9-A |
| 1000-Cycle DC Ringer Signaling Test Circuit | 9-A |
| Alarm Location Panel, L-3 and L-1 | 9-A |
| "C" Carrier Testing Circuit | 9-A |

SECTION 015-707-010

| EQUIPMENT NAME | LINE NO. |
|---|----------|
| TEST PANEL, TELEPHONE (Cont'd) | |
| Composite Ringer Test Circuit | 9-A |
| Cord Position Test Circuit | 9-A |
| Echo Suppressor Jack Field | X |
| Esterline Angus Recorder, Bay Mounted (See Recorders) | — |
| Gas Pressure Alarm Circuit, No. 5 Toll Testboard (See Alarm Equipment) | — |
| Jack Field, Program, 124-Type Amplifier and Bridge Circuit Jacks | X |
| L-3 Auxiliary Station Test Jacks, and Switches | X |
| Monitor and Talk 511E Panel | 9-A |
| Monitor and Talk, 4-Wire for Open Wire and Cable Conductors "C", "H", "EB" and Echo Suppressors | 9-A |
| Patch Cord Test Circuit, "L" Carrier Telephone (Coaxial) | 9-A |
| S.F. 1600-Cycle Testing Circuit | 9-A |
| S.F. 2600-Cycle Testing Circuit | 9-A |
| Telephone Repeater Filament Activity Test Circuit for Use with 1/2 Amp. Tubes | 9-A |
| Testing and Adjusting Circuit for 1000-Cycle Two-Tube Ringers | 9-A |
| Testing and Maintenance Test Circuit for 1000-20 and 1000-135 Cycle Intermediate Ringers and 1000-20 Cycle Terminal Ringers | 9-A |
| Transmission Measuring Auxiliary Test Circuit for Use with V-F Amplifiers (V-1 Amplifier Switching Circuit) | 9-A |
| V-1 and V-3 Repeater Jack Field | X |
| Visual Transmission Measuring Set (Rec. D-178982, Send. D-178981) | 8-A |

| EQUIPMENT NAME | LINE NO. |
|--|----------|
| TEST PANEL, TELEPHONE (Cont'd) | |
| VOLCAS* Telephone and Test Circuit.. | 9-A |
| (*Voice Operated Loss Control | SC.... |
| Suppressor) | |
| Also See Test Equipment | — |
| TEST POSITIONS (See Patching Bays) | — |
| TRANSFER RELAYS (See Switching Arrangements) | — |
| TRUNK CIRCUITS | |
| 2-Way Automatic, Ringdown, Local Station, Dial PBX and All Other Intra- and Interoffice Plant Communication Trunk Circuits | |
| Excludes all Toll and Toll Connecting Trunk Circuit Equipment Counted on Other Forms | 33-A# |
| V.F. CHANNEL PATCH JACK CIRCUITS (See Patching Bays) | — |
| VIDEO MONITOR | |
| 81A Monitoring Oscilloscope for Television Monitoring | 26-A |
| "A" Scope | 26-A |
| KS-5799 L-1 | 26-A |
| KS-15654 L-1 | 26-A |
| R.C.A. Color | 26-A |
| VIDEO SWITCHING EQUIPMENT (See Switching Arrangements) | — |
| VOLUME LIMITER CIRCUIT FOR "C" CARRIER TELEPHONE TERMINALS | 4-B |
| WAVESHAPING, LOOP PADS AND CALLING-IN CIRCUIT (No. 2 and No. 9 Telegraph Serviceboards) | 33-A# |
| WIRE ENTRANCE LINKS, TD-2 (Exclude Amplifier and Amplifier Panel) (Count Amplifier on Line 15-B) | 33-A# |