

756A PBX
PBX SYSTEMS

1. GENERAL

SCOPE

1.01 This specification, together with the supplementary specifications and drawings listed herein, covers the equipment design requirements for the manufacture of the 756A private branch exchange.

1.02 This specification is reissued to rate J58829K "Mfr. Disc." and to add codes J58829T and J58829U and also to make revisions in description and notes.

CAPACITY

1.03 The capacity of the 756A PBX is:

Station Lines	40* or 60*
Central Office Trunks	10**
Attendant Trunks	3
Junctors	6

- *10 lines may be used for tie trunk terminals (1 line per trunk) or dial conference circuit (5 lines per conference circuit).
**4 CO trunk terminals may be used for ring-down tie trunks.

Operating Ranges

1.04 Station conductor loop 1500 ohms*
Trunk conductor loop 1500 ohms*

*Trunk plus station loop shall not exceed range of connected central office.

DESCRIPTION

1.05 The 756A PBX is a 2-digit crossbar system arranged for cordless attendant position and batteryless power plant. However, it may also be used with a manual attendants switchboard. A battery reserve may be provided on an optional basis. This PBX is provided on a package basis in two sizes, one for 40 and one for 60 extension lines.

1.06 The switching equipment and batteryless power plant are arranged in a new type console cabinet designed to be located in general office space on customers premises. To achieve maximum compactness, the equipment units and the batteryless power plant are mounted on six vertical racks attached to telescoping tracks forming a slide assembly which may be withdrawn through the front of the console. The console may then be located directly against a wall with no sacrifice in accessibility for

maintenance. To facilitate handling, the cabinet is provided in two modules, each with 3 slides. These modules are bolted together at the site of installation and the slides are interconnected by means of a plug-in crown cable.

1.07 Local calls and outgoing central office or tie trunk calls are made by dialing. On an incoming trunk call, a visual and an audible signal appear at the PBX attendant keybox. The call is picked up by depressing the corresponding trunk key; the attendant then dials the requested station line number and the trunk is automatically connected. If the station line is busy the trunk will "camp on" the line and cut through as soon as it is idle.

1.08 Numbering Plan station lines are numbered from 20 through 59 on the 40-line PBX and 20 through 79 on the 60-line size. Tie trunks or miscellaneous trunks are numbered 80 to 89 and the crossbar switch verticals assigned to these codes are the same as those for lines 20 to 29. Central office trunks are normally coded with the single digit 9 but if foreign exchange lines are desired, 2-digit codes 90-99 may be obtained by changing wiring straps on the dial pulse register. The attendant trunks are coded 0.

1.09 Three classes of service are available for station lines:

- (a) Restricted: The station must place outgoing calls through the attendant. If the extension dials the central office code 9, the call will be intercepted by the attendant.
- (b) Toll Allowed: Station may dial central office calls including toll calls.
- (c) Toll Denied: Station may dial central office calls but will be directed to busy tone if he attempts to dial a toll call or the toll operator. This option may be used only in areas where the central office is arranged for toll diversion.

1.10 Conference Service: As an optional feature, a conference unit (J58829S) may be provided to permit a conference connection between a maximum of five station lines or between three stations and two trunks. This service is provided on a "meet me" basis. When a conference is desired the conferees are called individually and requested to dial the conference code number or the attendant will dial the conference

code number for trunks that are to be included in the conference connection.

1.11 Tie Trunk Service: Several of the tie trunk units listed in J58824 may be used for connecting the 756A PBX to other PBXs, manual or dial. When provided, each trunk uses one line terminal. Space of eighteen 2-by 23-inch mounting plates is provided in the PBX for mounting tie trunk units. The three classes of service available to lines are also available for tie trunks. Four plug-in ringdown tie trunks (J58829T) using one central office trunk terminal per tie trunk may also be provided when required.

1.12 Other Features

- (a) 1- or 2-way, consecutive or non-consecutive line hunting within a tens group. Obtained by strapping punchings on the line unit terminal strip.
- (b) Vacant terminal intercept: Obtained by removing strap on line unit terminal strip.
- (c) Emergency Central Office Connection: In the case of power failure, all stations would be normally inoperative. In this case the automatic operation of transfer relays bridges four predetermined



Fig. 1 - 756A PBX

stations (30, 31, 32, and 33) directly across four of the central office trunks (0, 1, 2, and 5) and thus a central office connection may be established by lifting the receiver and operating a key momentarily (to obtain dial tone).

(d) Night connections on four predetermined lines (30, 31, 32, and 33) by operating a common key. As covered in (c), these lines are connected direct to central office trunks 0, 1, 2, and 5.

- (e) Machine ringing on calls extended through the attendant as well as on station-to-station calls.
- (f) Line splitting to allow attendant to talk to station while trunk is excluded.
- (g) Alarm lamps to sectionalize trouble indications.
- (h) Message registers which are arranged to be cross-connected as required to record traffic or troubles.

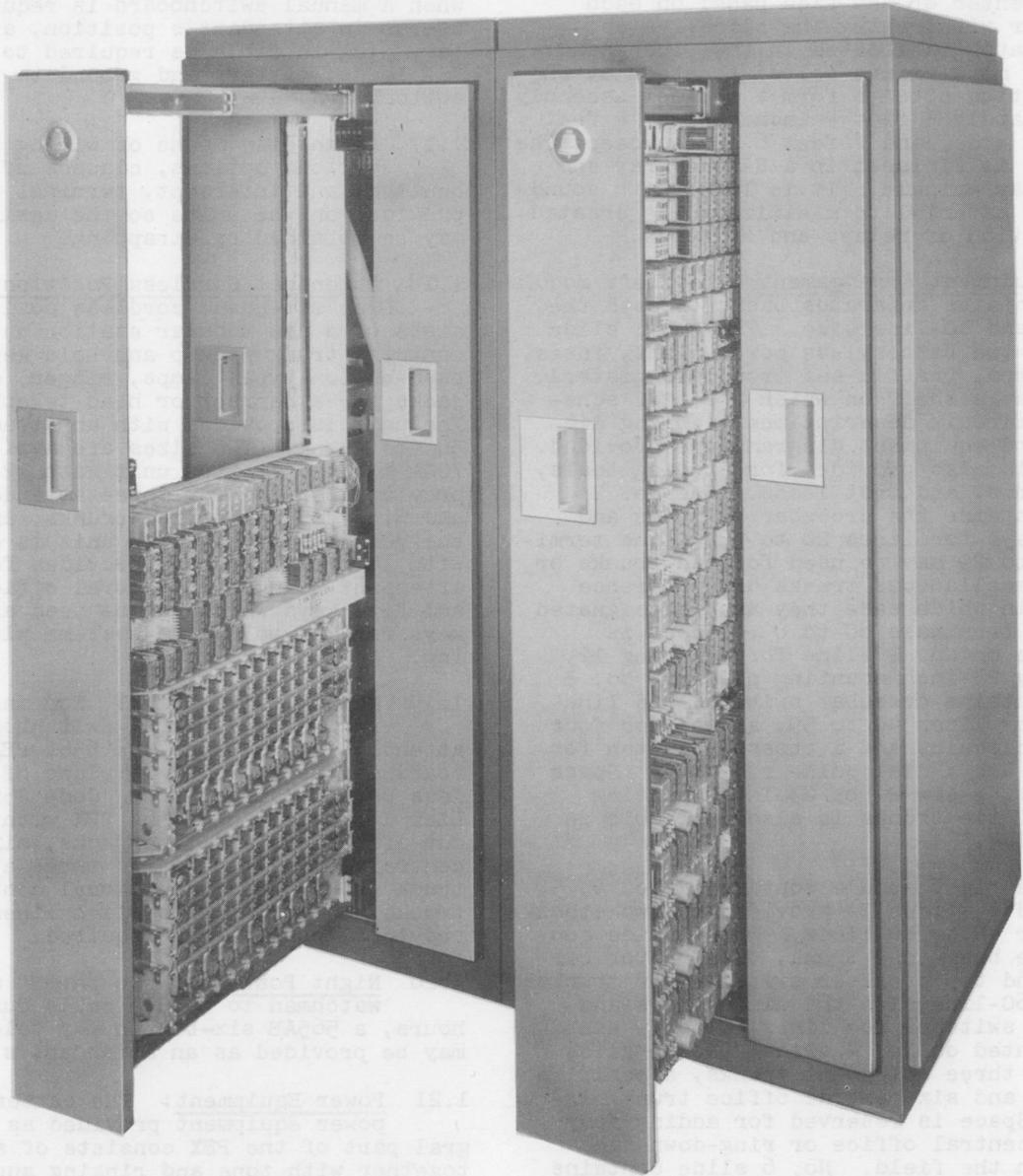


Fig. 2 - 756A PBX With Two Slides Partially Open

Equipment Features

1.13 Console: The console or cabinet is made up of twin modules, each containing three slides consisting of vertical racks supported at top and bottom by telescoping tracks that permit withdrawal through the front of the console. Each slide has a capacity for 26, 2- by 23-inch mounting plates. By means of an interlocking arrangement only one slide in a module may be withdrawn at a time, thus eliminating the need for anchoring the cabinet to the floor to prevent tipping. A flush handle is provided in the center of the face panel on each slide for withdrawing the slide. A concealed latch is located in the flush handle. The twin modules are bolted together at the installation site to form a cabinet assembly approximately 5 feet 4 inches high, 4 feet 6 inches wide, and 2 feet 6 inches deep. The exterior is finished in a 2-tone gray and beige-gray wrinkle. It is lined with sound-proofing material to minimize noise created by operation of relays and switches.

1.14 Equipment Arrangement: The left module contains apparatus basic to both the 40-line and 60-line size. The No. 1 slide contains the batteryless power plant, fuses, alarm lamps, traffic and trouble registers, as well as a shelf on which a set of schematics, circuit descriptions, cabling diagrams, and equipment diagrams are provided. A shelf is also provided for storing tools, spare parts, and test leads. The No. 2 slide contains the crossbar switches and line relays for lines 20 to 39. Line terminals 20 to 29 may be used for tie trunks or other miscellaneous trunks or conference service in which case they are redesignated as trunk terminals 80 to 89. Space is available on No. 2 slide for mounting 12, 2-inch by 23-inch mounting plates. No. 3 slide contains crossbar switches and line relays for lines 40 to 59, as well as four junctor circuits and a crossbar switch for junctors and a dial pulse register. Space for mounting six 2- by 23-inch mounting plates of tie trunks is also available on No. 3 slide.

1.15 The right module containing No. 4, 5, and 6 slides is provided in two stock sizes for 40 or 60 lines. No. 4 slide contains the busy tone trunk, two junctor circuits, and two crossbar switches for trunks. For the 60-line size the line relays and crossbar switches for lines 60 to 79 are also mounted on No. 4 slide. No. 5 slide contains three attendant trunks, a position circuit, and six central office trunk circuits. Space is reserved for adding four plug-in central office or ring-down tie trunks in the field. No. 6 slide contains the marker circuit and two dial pulse register units.

1.16 Cabling and Wiring: The wiring between apparatus on each relay unit is on a

surface wiring basis. A local cable is connected directly to terminals of the relays and other apparatus to interconnect units on the same slide. In the same form are included the leads running off the slide through a flexible arm terminating in a set of connectors in the roof of the console. Leads between slides are provided in a plug-in crown cable. Leads to the house terminal wall box are provided in two plug-in cables which are provided in 30-foot lengths, stub ended. These house and feeder cables contain station line pairs, as well as trunk pairs and leads to the attendant position. When a manual switchboard is required for use as an attendant's position, a supplementary plug-in cable is required to extend the "S" leads, battery and ground to the manual switchboard.

1.17 As an easy means of wiring for the various options, classes of service, hunting, and intercept, terminal strips are provided on the units so the desired feature may be obtained by strapping.

1.18 Attendant Cordless Position Apparatus: The attendant cordless position consists of a new modular station unit which contains trunk pickup and hold keys of the push-button type, lamps, ringer, dial and jacks for a handset or head telephone set. The unit is provided with an attached cable 30 feet long. Two sizes are available: The 700A modular station unit with 12 trunk keys provides service for three attendant trunks and nine central office trunks; another set, the 701A modular station unit is equipped with 18 trunk keys and provides for three attendant trunks, 10 central office trunks, and five keys which may be used as pickup keys for key telephone systems without holding.

1.19 Manual Switchboard: For installations requiring a manual switchboard as an attendant's position, the 556A PBX switchboard may be provided in place of the cordless position apparatus. Code J59018B, List 1 provides one 556A PBX with 60 line cut-off relays and line jacks, six manual central office trunks and three attendant trunk jacks. Four additional central office trunks and 20 manual station lines may be provided locally when required.

1.20 Night Position: To permit a night watchman to handle calls during off hours, a 565AB six-button key telephone set may be provided as an attendant's position.

1.21 Power Equipment: The batteryless power equipment provided as an integral part of the PBX consists of a rectifier, together with tone and ringing supplies. It operates on commercial power (115 volts ac). Through the use of large capacitors the plant is capable of holding PBX connectors on momentary failure of the commercial power. For locations where PBX service must be



Fig. 3 - Attendants Modular Station Unit

maintained during commercial power failures lasting more than a few moments, a third console module per J58829U with batteries may be provided.

1.22 Floor Space Requirements: The design and decor of the 756A PBX console permits it to be located against a wall along

with the office furniture and business machines. The console itself occupies a space 4 feet 6 inches wide by 2-1/2 feet deep. Maintenance space of approximately 2-1/2 feet deep by 7 feet wide is required in front of the console; however, this may be an office aisle. Additional space of 2 feet 3 inches wide by 2-1/2 feet deep will be occupied by the battery module when it is provided.

Subdivisions of Equipment and Detailed Index

WECO J drawings listed should be ordered by referring to the prefix and base number and requesting the highest suffix dash (-) number.

<u>Circuit Drawing</u>	<u>Equipment Code</u>	<u>Rating of Unit</u>	<u>Title</u>	<u>Equipment Drawing</u>
SD65741-01 SD65743-01 SD65754-01	J58829H ✓	AT&TCo Std	Line and Marker Units	ED65869-01
SD65742-01	J58829J ✓	AT&TCo Std	Dial Pulse Register Unit	ED65869-01
SD65743-01 SD65744-01	J58829R	AT&TCo Std	Fuse Panel, Alarm, and Register Unit	ED65871-01
SD65745-01	J58829S	AT&TCo Std	Dial Conference Unit	ED65871-01
SD65746-01	J58829A ✓	AT&TCo Std	756A PBX Equipment and Plug-in Cables	ED65881-01
SD65746-01	J58829B ✓	AT&TCo Std	No. 1 Slide Equipment	ED65868-01
SD65746-01 SD65741-01	J58829C ✓	AT&TCo Std	No. 2 Slide Equipment	ED65868-01
SD65746-01 SD65741-01	J58829D ✓	AT&TCo Std	No. 3 Slide Equipment	ED65868-01
SD65746-01 SD65741-01	J58829E ✓	AT&TCo Std	No. 4 Slide Equipment	ED65868-01

<u>Circuit Drawing</u>	<u>Equipment Code</u>	<u>Rating of Unit</u>	<u>Title</u>	<u>Equipment Drawing</u>
SD65746-01	J58829F	AT&TCo Std	No. 5 Slide Equipment	ED65868-01
SD65746-01	J58829G	AT&TCo Std	No. 6 Slide Equipment	ED65868-01
SD65750-01	J58829P	AT&TCo Std	Junctor Unit	ED65870-01
SD65751-01	J58829L	AT&TCo Std	Position Circuit and Central Office Trunk Patching Unit	ED65871-01
SD65752-01	J58829M	AT&TCo Std	Two-way Central Office Trunk Unit	ED65870-01
SD65753-01	J58829N	AT&TCo Std	Attendant Trunk	ED65870-01
SD65755-01	J58824AT	AT&TCo Std	Tie Trunk Unit - Outgoing Dial Selected Incoming Dial Transmitting - Arranged for Reverse Battery Supervision	J58824AT-()
SD65756-01	J58829T	AT&TCo Std	Tie Trunk Unit - Outgoing Manual and Dial Selected with 2 Second Ringing Signal - Incoming Ringdown	J58829T-()
SD81326-01	J58829U	AT&TCo Std	756A PBX - Battery Module	ED66001-01

2. SUPPLEMENTARY INFORMATION

AA128.006 - List of General Equipment Requirements Sections

J58824 (AA355.014) - Trunk and Miscellaneous Relay Units

J86464 (AA367.117) - Power Supply Floor Plan Data - Sect 6.2, Sheet 27

3. DRAWINGS

For additional drawings forming a part of this specification, see listings under Subdivisions of Equipment and Detailed Index.

ED65877-01 - Cabinet Assembly
 ED65878-01 - Slide Unit Framework Assembly
 ED65879-01 - Framework Assembly
 ED65880-01 - Cabling
 ED65895-01 - 756A PBX Equipment Diagram and Index
 ED66001-01 - Battery Module Equipment

4. EQUIPMENTJ58829A (AT&TCo Std) - 756A PBX - Equipment and Plug-in CablesEquipment - ED65881-01
Cabling - ED65880-01List 1 - Framework, assembly, wiring and equipment for one basic left module for 40- or 60-line 756A PBX.

No. 1 Slide, J58829B, L1
 No. 2 Slide, J58829C, L1
 No. 3 Slide, J58829D, L1
 Cabinet, ED65877-01, G1, G2,
 & G3

Equip	See Notes
1	5.01
1	
1	
1	

List 2 - Framework, assembly, wiring and equipment for one right module for a 40-line 756A PBX.

Equip	
No. 4 Slide, J58829E, L1	1
No. 5 Slide, J58829F, L1	1
No. 6 Slide, J58829G, L1	1
Cabinet, ED65877-01, G1, G2, & G3	1

List 3 - Framework, assembly, wiring and equipment for one right module for a 60-line 756A PBX.

Equip	
No. 4 Slide, J58829E, L2	1
No. 5 Slide, J58829F, L1	1
No. 6 Slide, J58829G, L2	1
Cabinet, ED65877-01, G1, G2, & G3	1

List 4 - House and feeder cable, 30 feet long, for left module per SD65746-01, CAD 1A.List 5 - House and feeder cable, 30 feet long, for right module per SD65746-01, CAD 1A.List 6 - Module and slide interconnecting crown cable per SD65746-01, CADs 1 and 2.List 7 - Supplementary house and feeder cable per SD65746-01 CAD-14, 30 feet long, required when a manual attendant switchboard is provided.Notes

A. A complete 40-line PBX consists of one each of lists 1, 2, 4, 5, and 6. A

complete 60-line PBX consists of lists 1, 3, 4, 5, and 6. The attendant cordless position apparatus or manual switchboard together with the handset (G3CR-52) or head telephone set (52A or 53A) is ordered separately.

- B. All lines are wired for toll-allowed class of service. If restricted or toll-denied class of service is required the installer should be instructed to change the strapping on the line unit terminal strips.
- C. The basic 40- or 60-line PBX is equipped with six central office trunk units (circuits 0, 1, 2, 5, 6, and 7). A maximum of four additional plug-in central office trunk units per J58829M, list 2 or ringdown tie trunks J58829T may be provided. When ringdown tie trunks are added the installer should be instructed to change the straps on the trunk hunting terminal strip on No. 4 slide so that the ringdown tie trunks form a separate hunting group. Central office trunk units not used should be made busy by strapping the unit terminal strip.
- D. The central office trunk unit terminal strips are strapped for "Z," "Y" and "S" options to provide the following features: Attendant nonrestricted, lockout outgoing and nonlockout incoming; and a central office nominal talking battery voltage of 40 volts or more. Other circuit options may be obtained by changing straps on the trunk unit terminal strip.
- E. The attendant trunk units are wired for "W" option to provide for operation with a PBX attendant. For unattended operation the installer should be instructed to replace "W" option straps with "X" option straps on the unit terminal strip.
- F. The dial pulse register units on the 40-line PBX are wired for "Z" and "W" options to provide intercept of dial codes 6, 7, and 8. If any trunks or conference circuits are connected to the tie trunk adapter, the "W" strappings on the dial pulse register terminal strips should be removed. "Y" straps should be added when station lines or dial repeating tie trunks with restricted class of service are to be denied access to two digit codes beginning with 8 or one or two digit codes beginning with 9. "X" straps should be provided when restricted lines or dial repeating to trunks lines are to be denied access to CO trunks. "V" straps are provided on the dial pulse register terminal strip to permit 1-digit codes for code 9 central office trunks; however, by replacing with "T" straps, 2-digit codes

(90-99) may be used. On 60-line PBXs the "Z" option is omitted.

- G. The alarm circuit on the fuse panel, alarm and register unit on slide 1 may be wired for "Z" option which provides a central office marginal alarm or "Y" option when a central office battery reversal alarm is required. The installer should be instructed to add as required the "Z" strap wire or the "Y" straps on the unit terminal strip.
- H. The following tools and spare apparatus are provided with list 1. These items, stored in the shelf on No. 1 slide, are for use by the maintenance man:

- Two - KS15724, L2 Diodes
- Ten - 70A Fuses 1-1/3 amp
- Five - A1 Switchboard Lamps
- Five - 2Y Switchboard Lamps
- Five - WLAP Cords
- One - KS16450 Tool (Wire Unwrapping)
- One - 635A Tool (Wire Wrapping)

J58829B (AT&TCo Std) - 756A PBX - No. 1 Slide Equipment

Equipment - ED65868-01
Cabling - ED65880-01

List 1 - Framework, assembly, wiring and equipment for one 756A PBX No. 1 slide.

Wire Equip

Power Plant, J86464A, L1	1
Fuse Panel, Alarm and Register Unit, J58829R, L1	1
Marker Alarm Unit, J58829H, L13	1
Slide Framework, ED65878-01, G2	1
Connecting Block SD65743-01, Apparatus Fig. 8	1 1

J58829C (AT&TCo Std) - 756A PBX - No. 2 Slide Equipment

Equipment - ED65868-01
Cabling - ED65880-01

List 1 - Framework, assembly, wiring and equipment for one 756A PBX No. 2 slide.

Wire Equip

Tie Trunk Adapter and Line Unit, J58829H, L12	1
SD65741-01, Line Switches, Apparatus Fig. 14	1 1
Slide Framework, ED65878-01, G1	1
Connecting Blocks SD65743-01, Apparatus Fig. 7, 8	1 1

J58829D (AT&TCo Std) - 756A PBX - No. 3 Slide Equipment

Equipment - ED65868-01
Cabling - ED65880-01

List 1 - Framework, assembly, wiring and equipment for one 756A PBX No. 3 slide.

	Wire	Equip		See
			Wire Equip	Note
Station Line Unit, J58829H, L10	1		Position Circuit Transfer and Trunk Patch Units, J58829L, L1 & L2	1
Select Magnet Control Unit, J58829H, L11	1		Central Office Trunk Unit, J58829M, L1	6 A
Junctor Unit, J58829P, L1	2		Connecting Blocks, SD65743-01 Apparatus Fig. 8	1 1
SD65741-01, Trunk and Line Switches, Apparatus Fig. 13	1	1	Attendant Trunk Unit, J58829N, L1	3
Slide Framework, ED65878-01, G2	1	1	Slide Framework, ED65878-01, G1	1
Connecting Block, SD65743-01 Apparatus Fig. 8	1	1		

J58829E (AT&TCo Std) - 756A PBX - No. 4 Slide Equipment

Equipment - ED65868-01

List 1 - Framework, assembly, wiring and equipment for one No. 4 slide for a 40-line 756A PBX.

	Wire	Equip
SD65741-01, Trunk Switches, Apparatus Fig. 12	1	1
Junctor Unit, J58829P, L1		1
Busy Tone Trunk and Select Magnet Control Unit, J58829H, L9		1
Trunk Connector Unit, J58829H, L8		1
Slide Framework, ED65878-01, G2		1
Connecting Block, SD65743-01 Apparatus Fig. 8	1	1

List 2 - Framework, assembly, wiring and equipment for one No. 4 slide for a 60-line 756A PBX.

	Wire	Equip
SD65741-01, Trunk and Line Switches, Apparatus Fig. 12, "v" option	1	1
Junctor Unit, J58829P, L1		1
Busy Tone Trunk and Select Magnet Control Unit, J58829H, L14		1
Trunk Connector Unit, J58829H, L8		1
Station Line Unit, J58829H, L10		1
Slide Framework, ED65878-01, G2		1
Connecting Block, SD65743-01 Apparatus Fig. 8	1	1

J58829F (AT&TCo Std) - 756A PBX - No. 5 Slide Equipment

Equipment - ED65868-01
Cabling - ED65880-01

List 1 - Framework, assembly, wiring and equipment for one 756A PBX No. 5 slide.

J58829G (AT&TCo Std) - 756A PBX No. 6 Slide Equipment

Equipment - ED65868-01
Cabling - ED65880-01

List 1 - Framework, assembly, wiring and equipment for No. 6 slide for a 40-line 756A PBX.

	Wire	Equip
Slide Framework, ED65878-01, G2		1
Tens Selector and Preference Unit, J58829H, L1		1
Units Selector, Line and Trunk Hunting, Junctor Hunting, Junctor Register, & Sequence Control, J58829H, L3		1
Route Control, Class of Service, and Down Check Unit, J58829H, L4		1
Link Test and Select Magnet and Miscellaneous Control Unit, J58829H, L5		1
Advance, Time-out, and Release Unit, J58829H, L6		1
Register Control Unit, J58829H, L7		1
Dial Pulse Register, J58829J, L1		2
Connecting Block, SD65743-01 Apparatus Fig. 9	1	1

Note

A. Connect central office trunks No. 0, 1, 2 & 5 for automatic transfer ("T" Option).

J58829H (AT&TCo Std) - 756A PBX - Line and Marker Units

Equipment - ED65868-01
Cabling - ED65880-01

List 1 - Framework, assembly, wiring and equipment for No. 6 slide for a 40-line 756A PBX.

	Wire	Equip
Slide Framework, ED65878-01, G2		1
Tens Selector and Preference Unit, J58829H, L1		1
Units Selector, Line and Trunk Hunting, Junctor Hunting, Junctor Register, & Sequence Control, J58829H, L3		1
Route Control, Class of Service, and Down Check Unit, J58829H, L4		1
Link Test and Select Magnet and Miscellaneous Control Unit, J58829H, L5		1
Advance, Time-out, and Release Unit, J58829H, L6		1
Register Control Unit, J58829H, L7		1
Dial Pulse Register, J58829J, L1		2
Connecting Block, SD65743-01 Apparatus Fig. 9	1	1

List 2 - Framework, assembly, wiring, and equipment for one No. 6 slide for a 60-line 756A PBX (identical to list 1 except provide J58829H, List 2 in place of J58829H, List 1). (See note A.)

Note

A. Remove "Z" wiring on the J58829J, List 1 dial pulse register unit.

J58829H (AT&TCo Std) - 756A PBX - Line and Marker Units

Equipment - ED65869-01

- List 1 - Assembly, wiring, and equipment for a tens selection and preference unit for a 40-line PBX per SD65741-01, Apparatus Fig. 4.
- List 2 - Assembly, wiring and equipment for a tens selection and preference unit for a 60-line PBX per SD65741-01, Apparatus Fig. 4, "V" option.
- List 3 - Assembly, wiring, and equipment for a units selection, line and trunk hunting, junctor register, and sequence control unit per SD65741-01, Apparatus Fig. 7.
- List 4 - Assembly, wiring, and equipment for a route control, class of service, and down check unit per SD65741-01, Apparatus Fig. 8.
- List 5 - Assembly, wiring, and equipment for one link test, select magnet, and miscellaneous control unit per SD65741-01, Apparatus Fig. 9 and SD65743-01, Apparatus Fig. 6.
- List 6 - Assembly, wiring, and equipment for one advance, timeout, and release unit per SD65741-01, Apparatus Fig. 10.
- List 7 - Assembly, wiring, and equipment for one register control unit per SD65741-01, Apparatus Fig. 5.
- List 8 - Assembly, wiring, and equipment for one trunk connector unit per SD65741-01, Apparatus Fig. 6. (See note A.)
- List 9 - Assembly, wiring, and equipment for one busy tone trunk and select magnet control unit for a 40-line PBX per SD65754-01, Apparatus Fig. 1 and SD65741-01, Apparatus Fig. 16.
- List 10 - Assembly, wiring, and equipment for a 20-circuit station line unit per SD65741-01, Apparatus Fig. 2, with "S" wiring. (See note B.)
- List 11 - Assembly, wiring, and equipment for a select magnet control unit per SD65741-01, Apparatus Fig. 15.
- List 12 - Assembly, wiring, and equipment for a tie trunk adapter and line unit with ten circuits arranged for lines or tie trunks and ten circuits for lines only per SD65741-01, Apparatus Fig. 1 and SD65743-01, Apparatus Fig. 1. (See note C.)
- List 13 - Assembly, wiring, and equipment for one marker alarm unit per SD65741-01, Apparatus Fig. 11 and SD65743-01, Apparatus Fig. 3.

- List 14 - Assembly, wiring, and equipment for a busy tone trunk and select magnet control unit for a 60-line PBX per SD65754-01, Apparatus Fig. 1 and SD65741-01, Apparatus Fig. 16 "V" option.

Notes

- A. The terminal strip on the trunk connector unit per list 8 is strapped for hunting all central office trunks in one group. If ringdown tie trunks are added to the PBX the installer will be required to change the strapping so that the added ringdown tie trunks form a separate hunting group.
- B. The station line unit terminal strips are strapped for toll-allowed class of service and with S and S1 terminals connected. One H diode is provided for each group of five lines to be cross-connected to the H terminals by the installer when 1-way hunting is required on a pair of lines within the tens group.
- C. The list 12 tie trunk adapter terminal strips are strapped for toll-allowed class of service on all lines and with the S and S1 terminals connected. Lines 30, 31, 32, and 33 are wired with "R" option. The TRK terminal strips are provided with "Q" straps and with T strapped to T1 and R strapped to R1. When tie trunks are added the installer will be required to remove these straps.

J58829J (AT&TCo Std) - 756A PBX - Dial Pulse Register Unit

Equipment - ED65869-01

- List 1 - Assembly, wiring, and equipment for one dial pulse register unit per SD65742-01, Apparatus Fig. 1, with "Z" and "W" wiring.

J58829L (AT&TCo Std) - 756A PBX - Position Circuit, Trunk Patch and Transfer Unit

Equipment - ED65871-01

- List 1 - Assembly, wiring, and equipment for one position circuit and trunk patch unit per SD65751-01, Apparatus Fig. 1 and SD65746-01 CAD 8.

- List 2 - Assembly, wiring, and equipment for one position circuit talking battery feed coil transfer and trunk patch unit per SD65751-01, Apparatus Fig. 2 and SD65743-01, Apparatus Fig. 2 and SD65746-01, CAD 8.

J58829M (AT&TCo Std) - 756A PBX - 2-way Central Office Trunk Unit

Equipment - ED65870-01

List 1 - Assembly, wiring, and equipment for a single circuit 2-way central office trunk unit per SD65752-01, Apparatus Fig. 1, with "Z," "Y" and "S" wiring.

List 2 - Assembly, wiring, and equipment for a single circuit plug-in 2-way central office trunk unit per SD65752-01, Apparatus Fig. 1, with "V," "Y," "Z," and "S" wiring and SD65746-01, CAD 8.

J58829N (AT&TCo Std) - 756A PBX - Attendant Trunk Unit

Equipment - ED65870-01

List 1 - Assembly, wiring, and equipment for one attendant trunk unit per SD65753-01, Apparatus Fig. 1, with "W" wiring.

J58829P (AT&TCo Std) - 756A PBX - Junctor Unit

Equipment - ED65870-01

List 1 - Assembly, wiring, and equipment for a 2-circuit junctor unit per SD65750-01, Apparatus Fig. 1.

J58829R (AT&TCo Std) - 756A PBX - Fuse Panel, Alarm, and Register Unit

Equipment - ED65871-01

List 1 - Assembly, wiring, and equipment for one 756A PBX fuse panel, alarm, and register unit per SD65743-01, Apparatus Fig. 4, with SD65744-01, Apparatus Fig. 1.

J58829S (AT&TCo Std) - 756A PBX - Dial Conference Unit

Equipment - ED65871-01

List 1 - Assembly, wiring and equipment for a 756A PBX dial conference unit per SD65745-01, Apparatus Fig. 1.

J58829T (AT&TCo Std) Tie Trunk Unit - Outgoing Manual and Dial Selected With 2-second Ringing Signal - Incoming Ringdown

Equipment - J58829T-()

List 1 - Assembly, wiring and equipment for one tie trunk unit per SD65756-01, Apparatus Fig. 1. (See note A.)

Note

A. This unit requires an 89-type resistance which shall be ordered separately in accordance with circuit requirements for the particular installation.

J58829U (AT&TCo Std) - 756A PBX - Battery Module

Equipment - ED66001-01

List 1 - Framework, assembly, wiring and equipment for one battery module.

Equip

Cabinet Assembly ED65877-01, G1	1
Slide Assembly KS15789	2
Power Equipment and Cable J86464B	1

Note

A. The battery module requires eight KS141A batteries which shall be ordered separately.

5. GENERAL NOTES

5.01 No circuit labels are provided with this equipment; instead, a set of associated schematics, cabling diagrams, an equipment diagram, and CD sheets are furnished with each PBX. These drawings are reduced in size and placed in binders which are stored on a shelf provided in No. 1 slide. The latest available issues of the drawings are provided in the binder. The issue number of the schematic from which the equipment was manufactured is stamped on units in the PBX.

5.02 Grounding: The ground for this PBX is normally obtained through the third wire in the power cord. This requires that the customer provide a 125-volt 15-ampere single grounding receptacle on a separate fuse for the PBX. (This receptacle should be located at a height above normal to prevent accidental removal of power cord). To insure that the cabinet continues to be grounded when the power cord is removed a building ground lead (18 ga min) shall be connected to the "AP" ground terminals at the house terminal wall box.

List of "A&M Only" and "Mfr.Disc." Equipment

The following equipment has been replaced as indicated. Where "A&M Only" items appear, the issue numbers shown are those of the issues on which the rating was first applied.

Equipment	Rating	Details	
		Last Shown in Issue	Replacing Equipment
J58829K	Mfr.Disc.	1	-

1 2 3
 H-9/19-209, G-1
 Binders A-B

Bell Telephone Laboratories, Incorporated

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