

520A
EMERGENCY REPORTING SYSTEM
EQUIPMENT DESIGN REQUIREMENTS
COMMON SYSTEMS

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, covers the design requirements for the framework, equipment, and circuits to be used in the manufacture

and installation of the 520A emergency reporting system.

1.02 This specification is reissued to incorporate the previous addendum changes and to add the following new features and options: TOUCH-TONE® dialing, call transfer, fire detection alarm, and a new long lines circuit.

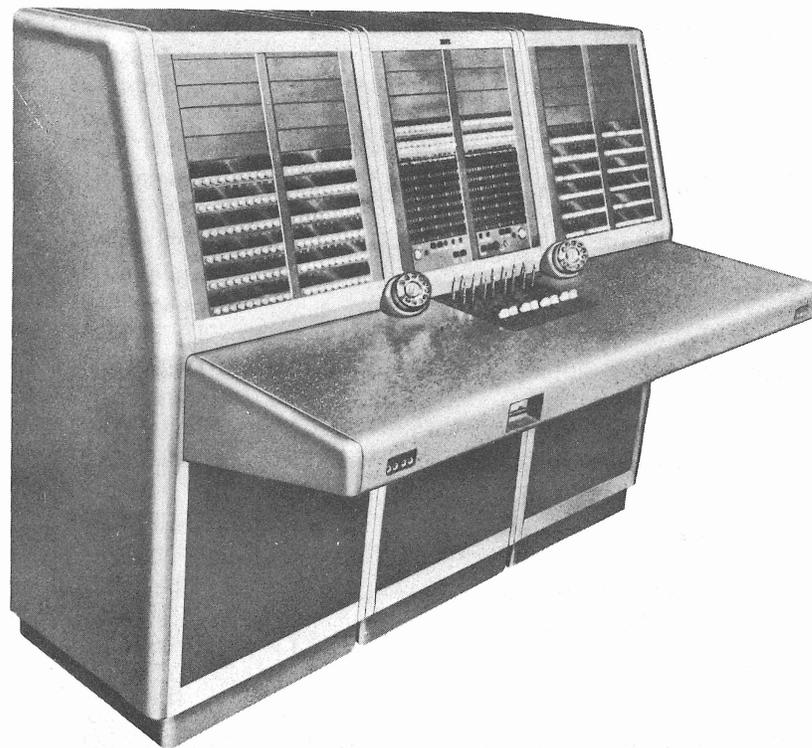


Fig. 1—Multisection 2-Position Answering Switchboard

SUBDIVISIONS OF EQUIPMENT AND DETAILED INDEX

WECo J drawings should be ordered by referring to the prefix and base number and requesting the current dash (—) number.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLT PER UNIT*	LOCATION
ED-66067-10		Equipment Status and Annunciator Lamp Resistor Panel	ED-66067-10	SD-98055-01, Fig. 8	1		Miscellaneous Relay Rack
J99244A	AT&TCo Std	520-Type Emergency Reporting System — Multisection 2-Position Answering Switchboard (Fig. 1)	J99244A-()	SD-98052-01 SD-98053-01 SD-98054-01 SD-98055-01 SD-98060-01 SD-98063-01 SD-5E054-01			
J99244B	AT&TCo Std	Line Key and Lamp Unit	J99244B-()	SD-98050-01 SD-98074-01 SD-98075-01	10		Switchboard Front Equipment
J99244C	AT&TCo Std	Line and Trunk Jack and Lamp Unit	J99244C-()	SD-98050-01 SD-98060-01 SD-98065-01 SD-98074-01 SD-99362-01	20		Switchboard Front Equipment
J99244D	AT&TCo Std	Central Office and Incoming Trunk or High Voltage Control Key and Lamp Unit	J99244D-()	SD-98050-01 SD-98053-01 SD-98060-01 SD-99362-01			Switchboard Front Equipment
J99244E	AT&TCo Std	Paging Line Key and Lamp Unit	J99244E-()	SD-98055-01	10		Switchboard Front Equipment
J99244F	AT&TCo Std	Equipment Status Key and Lamp Unit	J99244F-()	SD-98055-01	10		Switchboard Front Equipment

* Mounting plates are 23 inches long and 2 inches wide except when noted otherwise.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLT PER UNIT*	LOCATION
J99244G	AT&TCo Std	Cord Circuit Keyshelf Unit	J99244G-()	SD-98052-01	2		Switch-board Keyshelf Equipment
J99244H	AT&TCo Std	Cord Circuit Relay Unit	J99244H-()	SD-98052-01	1	1†	Switch-board Rear Equipment
J99244J	AT&TCo Std	Position Unit	J99244J-()	SD-98052-01	2	2†	Switch-board Rear Equipment
J99244L	AT&TCo Std	Central Office Trunk and Common Equipment Frame	J99244L-()	SD-98052-01 SD-98053-01 SD-98054-01 SD-98055-01 SD-99362-01			
J99244M	A&M Only	Fire Station Line Unit — Two Odd or Two Even Station Lines for Same Answering Position	J99244M-()	SD-98050-01	2	1	
J99244N	AT&TCo Std	Fire or Police Station Line and Central Office Trunk Frame	J99244N-()	SD-98050-01 SD-98053-01 SD-98054-01 SD-98065-01 SD-99362-01			
J99244P	AT&TCo Std	Fire or Police Station Line Frame — 60-Line Capacity	J99244P-()	SD-98050-01 SD-98053-01 SD-98054-01 SD-98065-01			
J99244S	A&M Only	Fire and Police Station Line Key and Lamp Unit	J99244S-()	SD-98050-01 SD-98065-01	40		Switch-board Front Equipment

* Mounting plates are 23 inches long and 2 inches wide except when noted otherwise.

† Mounting plates used for switchboard equipment are 19 inches long and 2 inches wide.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLT PER UNIT*	LOCATION
J99244T	AT&TCo Std	Miscellaneous Unit	J99244T-()	SD-98055-01	36	4	Trunk and Common Equipment Frame
J99244U	AT&TCo Std	Flash and Wink Unit	J99244U-()	SD-98054-01		3	Trunk and Common Equipment Frame
J99244W	AT&TCo Std	Trunk Auxiliary Unit	J99244W-()	SD-98054-01 SD-99362-01		1	Trunk and Common Equipment Frame
J99244Y	AT&TCo Std	Alarm and Release Unit	J99244Y-()	SD-98053-01 SD-98054-01		2	Trunk and Common Equipment Frame
J99244AA	AT&TCo Std	Trunk and Common Equipment Frame Fuse Panel	J99244AA-()	SD-98053-01			Trunk and Common Equipment Frame
J99244AB	AT&TCo Std	Station Line and Trunk Frame and Station Line Frame Fuse Panel	J99244AB-()	SD-98053-01			Station Line and Trunk Frame, Station Line Frame
J99244AC	AT&TCo Std	Police Station Line Unit — Two Odd or Even Lines for Same Answering Position	J99244AC-()	SD-98065-01	2	1	Police Station and Auxiliary Line Unit
J99244AD	AT&TCo Std	Selective Routing Unit for Use with Common Fire and Police Call Boxes and Separate Answering Positions	J99244AD-()	SD-98064-01	5	1	Miscellaneous Relay Rack

* Mounting plates are 23 inches long and 2 inches wide except when noted otherwise.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLT PER UNIT*	LOCATION
J99244AF	AT&TCo Std	Call Recorder — Line Identifier — Connector Unit	J99244AF-()	SD-98066-01 SD-98069-01	1		Call Recorder Frame, Call Recorder Connector Frame, Line Identifier Frame
J99244AK	AT&TCo Std	Fire Station Line Unit — Two Odd or Even Lines for Same Answering Position	J99244AK-()	SD-98050-01	2	1	Fire Station and Auxiliary Line Unit
J99244AL	AT&TCo Std	Fire Station Line Auxiliary Unit	J99244AL-()	SD-98050-01 SD-98054-01	2	1	Fire Station and Auxiliary Line Unit
J99244AM	AT&TCo Std	Fire or Police Station Line Frame Alarm Unit	J99244AM-()	SD-98053-01 SD-98054-01	2	1	Station Line Frame
J99244AN	AT&TCo Std	Fire Station and Auxiliary Line Unit	J99244AN-()	SD-98050-01 SD-98054-01	20	11	Station Line and Trunk Frame
J99244AP	AT&TCo Std	Police Line Auxiliary Unit	J99244AP-()	SD-98054-01 SD-98065-01	2	1	Police Station and Auxiliary Line Unit
J99244AR	AT&TCo Std	Station Line Key and Lamp Unit	J99244AR-()	SD-98065-01 SD-98074-01	10		Switch- board Front Equipment
J99244AS	AT&TCo Std	Line and Trunk Frame Alarm Unit	J99244AS-()	SD-98053-01 SD-98054-01	2	1	Trunk and Line Frame

* Mounting plates are 23 inches long and 2 inches wide except when noted otherwise.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLT PER UNIT*	LOCATION
J99244AT	AT&TCo Std	Police Station and Auxiliary Line Unit	J99244AT-()	SD-98054-01 SD-98065-01	20	11	Station Line Frame, Station Line and Trunk Frame
J99244AU	A&M Only	Police Station Line Unit — Two Odd or Even Station Lines for Same Answering Position	J99244AU-()	SD-98065-01	2	1	
J99244AW	AT&TCo Std	Equipment Status Key and Lamp Unit	J99244AW-()	SD-98055-01	10		Switch-board Front Equipment
J99244AY	AT&TCo Std	Long Line Unit Arranged for Station Line Circuit Without Rering or Line and Switch Circuit	J99244AY-()	SD-98073-01	3	2	Miscellaneous Relay Rack
J99244BA	AT&TCo Std	Long Line Unit Arranged for Station Line Circuit With Rering	J99244BA-()	SD-98073-01	1	1	Miscellaneous Relay Rack
J99244BB	AT&TCo Std	Call Recorder Frame	J99244BB-()	SD-98053-01 SD-98054-01 SD-98070-01 SD-98077-01 SD-98145-01			
J99244BC	AT&TCo Std	Time-of-Day Unit	J99244BC-()	SD-98053-01 SD-98054-01 SD-98069-01 SD-98070-01 SD-98076-01 SD-98077-01 SD-98145-01	1		Call Recorder Frame

* Mounting plates are 23 inches long and 2 inches wide except when noted otherwise.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLT PER UNIT*	LOCATION
J99244BE	AT&TCo Std	Teletypewriter and Control Unit	J99244BE-()	SD-98077-01	1	4	Call Recorder Frame
J99244BF	AT&TCo Std	Call Recorder Frame Fuse Panel	J99244BF-()	SD-98053-01			Call Recorder Frame
J99244BG	AT&TCo Std	Identifier Connector Frame	J99244BG-()	SD-98053-01 SD-98054-01 SD-98070-01 SD-98077-01 SD-98145-01			
J99244BH	AT&TCo Std	Call Recorder Test Key Face Equipment	J99244BH-()	SD-98068-01 SD-98069-01 SD-98070-01 SD-98076-01 SD-98077-01 SD-98145-01			Switch-board Front Equipment
J99244BJ	AT&TCo Std	Alarm Panel Unit	J99244BJ-()	SD-98053-01 SD-98054-01 SD-5E054-01	†		Switch-board Top Equipment
J99244BK	AT&TCo Std	Dead Man Alarm Unit	J99244BK-()	SD-98053-01	1		Trunk and Common Equipment Frame
J99244BL	AT&TCo Std	Position Unit	J99244BL-()	SD-98052-01	2	2	Trunk and Common Equipment Frame
J99244BM	AT&TCo Std	Cord Circuit Relay Unit	J99244BM-()	SD-98056-01	1	1	Trunk and Common Equipment Frame
J99244BN	AT&TCo Std	Printer Control Unit	J99244BN-()	SD-98145-01	1	2	Call Recorder Frame
J99244BP	AT&TCo Std	Central Office Trunk Unit	J99244BP-()	SD-99362-01	2	3	Trunk and Common Equipment Frame

* Mounting plates are 23 inches long and 2 inches wide except when noted otherwise.

† Alarm panel equipment is mounted on a 19-3/4 inch long and 6-inch wide panel.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLT PER UNIT*	LOCATION
J99244BR	AT&TCo Std	Make-Busy Jack Unit	J99244BR-()	SD-98055-01	5		Switch-board Front Equipment
J99244BS	AT&TCo Std	Teletypewriter Transfer Unit	J99244BS-()	SD-98077-01	1	1	Call Recorder Frame
J99244BT	AT&TCo Std	High Voltage Control Unit	J99244BT-()	SD-98053-01	1-6		
J99244BU	AT&TCo Std	Long Line Unit	J99244BU-()	SD-5E059-01	2	1	
J99244BW	AT&TCo Std	Line Out and Trunk Jack and Line Out Lamp Switchboard Face Equipment	J99244BW-()	SD-98074-01	20		Switch-board Front Equipment
J99244CA	AT&TCo Std	Line Out and Trunk Lamp Switchboard Face Equipment	J99244CA-()	SD-98074-01	20		Switch-board Front Equipment

* Mounting plates are 23 inches long and 2 inches wide except when noted otherwise.

Circuit Schematic Index

CIRCUIT DRAWING	J99244 EQUIP. CODE	CIRCUIT DRAWING	J99244 EQUIP. CODE
SD-98050-01	B, C, D, M, N, P, S, AK, AL, AN	SD-98056-01	BM
SD-98052-01	A, G, H, J, L, BL	SD-98060-01	A, C, D
SD-98053-01	A, D, L, N, P, Y, D, AA, AB, AM, AS, BB, BC, BF, BG, BJ, BK, BT	SD-98063-01	A
SD-98054-01	A, L, N, P, U, W, Y, AL, AM, AN, AP, AS, AT, BB, BC, BG, BJ	SD-98064-01	AD
SD-98055-01	A, E, F, L, T, AW, BR, ED-66067-10	SD-98065-01	C, N, P, S, AC, AP, AR, AT, AU
		SD-98068-01	BH
		SD-98069-01	AF, BC, BH
		SD-98070-01	BB, BC, BG, BH

CIRCUIT DRAWING	J99244 EQUIP. CODE
SD-98073-01	AY, BA
SD-98074-01	B, C, AR, BW, CA
SD-98076-01	BC, BH
SD-98077-01	BB, BC, BE, BG, BH, BS
SD-98145-01	BB, BC, BG, BH, BN
SD-99362-01	C, D, L, N, W, BP
SD-5E054-01	A, BJ
SD-5E059-01	BU

2. SUPPLEMENTARY INFORMATION

- 800-600-000—List of General Equipment Requirement Sections
- 801-000-000—Equipment Design and General Equipment Requirements and Engineering Information—Common Systems
- J99284—809-703-150—General Information Specification

3. DRAWINGS

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

ED-65891-()—Console Framework Assembly

4. EQUIPMENT

ED-66067-10—Equipment Status and Annunciator Lamp Resistor Panel

J99244A—AT&T Co Std—520-Type Emergency Reporting System—Multisection 2-Position Answering Switchboard

Equipment—J99244A-()
Local Cable—ED-65892-12

List 2—Equipment required in addition to list 11 to provide the paging feature in accordance with SD-98055-01, Fig. 4.

List 7—Equipment required in addition to lists 11, 13, and 14 for additional terminal strips

for each two jack and lamp strips (line 520A or 520E emergency reporting system or (line and/or incoming trunk) 520C emergency reporting system in same position (maximum of line lists 7 for each position).

List 8—Framework, assembly, equipment, and wiring required in addition to lists 11, 13, and 7 or lists 11, 14, and 7 for switchboard with terminal strips when more than ten key and lamp strips per position in the 520A and 520E emergency reporting systems or nine key and lamp strips per position in the 520C emergency reporting system are specified.

List 9—Equipment and wiring required in addition to lists 11 and 13 or lists 11 and 14 for switchboard with terminal strips when paging and/or equipment status and/or call recorder test key is specified.

List 10—Assembly, wiring, and equipment required in addition to list 1 when two frame mounted make-busy jacks are provided in accordance with SD-98055-01, Fig. 12.

List 11—Framework, assembly, wiring, and equipment for one 6-panel 2-position answering switchboard (without terminal strips).

	WIRE	EQUIP	NOTES
Position Circuit, SD-98052-01:			
Fig. 1	2	0	
Fig. 2	8	0	
Fig. 6	2	2	
Fig. 7	1	0	
Fig. 8	8	8	
Fig. 10	1	1	
Fig. 11	1	1	
Fig. 12	1	1	
Fig. 19	1	1	
Alarm Circuits, SD-98053-01:			
Fig. 3	1	1	A
Fig. 7	1	0	
Fig. 17	1	1	
Fig. 24	1	0	
Fig. 27	1	0	
Flash and Wink Circuit, SD-98054-01:			
Fig. 3, Option Z1	1	1	
Fig. 6, Option G	1	1	
Fig. 12	1	0	

	WIRE	EQUIP	NOTES
Miscellaneous Circuits, SD-98055-01:			
Fig. 1	40	0	A
Fig. 4	1	0	
Incoming Trunk Circuit, SD-98060-01:			
Fig. 6	1	0	
Recorder Circuit, SD-98063-01:			
Fig. 2	2	0	

required in addition to list 11 when a 520E emergency reporting system is arranged for terminal strip-ended face equipment provided in addition to lists 8 and 13.

List 21—Assembly and equipment required when a 520A or E emergency reporting system is arranged for terminal strip-ended face equipment for the high voltage control.

Notes

- The local cable for list 1 shall include wiring per SD-98052-01, X option; SD-98053-01, Y option; and SD-98055-01, Fig. 1 ground leads only.
- The local cable shall connect to the apparatus side of the terminal strips on the position and cord circuit units.
- List 10 is required only when mounting space is not available in face of the switchboard. When mounting space is available, specify J99244BR-() make-busy jack unit as required.

List 12—Equipment required in addition to list 11 for a 520C emergency reporting system only, per SD-98060-01, Fig. 6, and SD-98063-01, Fig. 2.

List 13—Framework, assembly, and equipment required in addition to list 11 when a 520A or E emergency reporting system is arranged for terminal strip-ended face equipment (arranged for a maximum of 20 station line key and lamp strips, two central office trunk jack and lamp strips, and two central office trunk and lamp strips).

List 14—Framework, assembly, and equipment required in addition to list 11 when a 520C emergency reporting system is arranged for terminal strip-ended face equipment (arranged for a maximum of 18 station and/or incoming trunk key and lamp strips, two number display units, two central office incoming trunk jacks and lamp strips, two central office trunk and lamp strips).

List 15—Assembly, wiring, and equipment required in addition to list 11 when TOUCH-TONE calling is required per SD-98052-01, Fig. 13, 16, 18, and 20.

List 16—Equipment required in addition to list 11 to provide for call transfer per SD-98052-01, Fig. 17.

List 17—Equipment required in addition to list 11 to provide for 520A or E emergency reporting system fire detection.

List 18—Equipment required in addition to list 11 to provide for 520C emergency reporting system and fire detection per SD-98053-01, Fig. 27.

List 19—Equipment required in addition to list 17 or 18 when remote cutoff fire alarm key is required per SD-98053-01, Fig. 24.

List 20—Framework, assembly, and equipment

J99244B—AT&TCo Std—Line Key and Lamp Unit

Equipment—J99244B-()

List 1—A&M Only—Assembly, wiring, and equipment for ten fire station line keys and lamps arranged for left-panel installation only in accordance with SD-98050-01, Fig. 1, Y option, and Fig. 2 with G and V options. (See 5.02.)

List 2—A&M Only—Assembly, wiring, and equipment for ten fire station line keys and lamps arranged for right-panel installation only in accordance with SD-98050-01, Fig. 1, Y option, and Fig. 2 with G and V options. (See 5.02.)

List 3—Assembly, wiring, and equipment for ten line keys and lamps arranged for left-panel installation only in accordance with SD-98050-01, Fig. 2, A, B, and G options; SD-98074-01, Fig. 2; or SD-98075-01, Fig. 2, universally wired. (See 5.02.)

List 4—Assembly, wiring, and equipment for ten line keys and lamps arranged for right-panel installation only in accordance with SD-98050-01, Fig. 2, A, B, and G options; SD-98074-01, Fig. 2; or SD-98075-01, Fig.

2, universally wired. (See 5.02.)

List 5—Wiring and equipment required in addition to list 3 or 4 where unit is to be mounted in a multisection, 2-position switchboard arranged for terminal strip-ended jack, key, and lamp units.

List 6—Wiring and equipment required in addition to list 3 or 4 where unit is to be mounted in a single-section, 2-position switchboard arranged for terminal strip-ended jack, key, and lamp units.

J99244C—AT&TCo Std—Line and Trunk Jack and Lamp Unit

Equipment—J99244C-()

List 1—A&M Only—Assembly, wiring, and equipment for 20 line and trunk jacks and lamps arranged for left-panel installation only in accordance with SD-98050-01, Fig. 3 with V option; SD-98065-01, Fig. 3 with T option; SD-99362-01, Fig. 5 with S option; and SD-98060-01, Fig. 8 with X option, universally wired. (See 5.02.)

List 2—A&M Only—Assembly, wiring, and equipment for 20 line and trunk jacks and lamps arranged for right-panel installation only in accordance with SD-98050-01, Fig. 3 with V option; SD-98065-01, Fig. 3 with T option; SD-99362-01, Fig. 5 with S option; and SD-98060-01, Fig. 8 with X option, universally wired. (See 5.02.)

List 3—Assembly, wiring, and equipment for 20 line and trunk jacks and lamps arranged for left-panel installation only in accordance with SD-98050-01, Fig. 3 with A option; SD-98065-01, Fig. 3 with S option; SD-99362-01, Fig. 5 with R option; SD-98060-01, Fig. 8 with W option; and SD-98074-01, Fig. 3 or 7, universally wired. (See 5.02.)

List 4—Assembly, wiring, and equipment for 20 line and trunk jacks and lamps arranged for right-panel installation only in accordance with SD-98050-01, Fig. 3 with A option; SD-98065-01, Fig. 3 with S option; SD-99362-01, Fig. 5 with R option; SD-98060-01, Fig. 8 with W option; and SD-98074-01, Fig. 3 or 7, universally wired. (See 5.02.)

J99244D—AT&TCo Std—Central Office and Incoming Trunk or High Voltage Control Key and Lamp Unit

Equipment—J99244D-()

List 1—A&M Only—Assembly, wiring, and equipment for ten incoming trunk and one- or 2-way central office trunk keys and lamps arranged for left-panel installation only in accordance with SD-99362-01, Fig. 4 with S option; SD-98060-01, Fig. 2 with X option; and SD-98050-01, Fig. 2 with G and V options, universally wired. (See 5.02.)

List 2—A&M Only—Assembly, wiring, and equipment for ten incoming trunk and one- or 2-way central office trunk keys and lamps arranged for right-panel installation only in accordance with SD-99362-01, Fig. 4 with S option; SD-98060-01, Fig. 2 with X option; and SD-98050-01, Fig. 2 with G and V options, universally wired. (See 5.02.)

List 3—Assembly, wiring, and equipment for ten incoming trunk and one- or 2-way central office trunk keys and lamps or ten high voltage control keys and lamps arranged for left-panel installation per SD-99362-01, Fig. 4 with R option; SD-98060-01, Fig. 2 with W option; SD-98050-01, Fig. 2 with A and G options; and SD-98053-01, Fig. 26, universally wired. (See 5.02.)

List 4—Assembly, wiring, and equipment for then incoming trunk and one- or 2-way central office trunk keys and lamps or ten high voltage control keys and lamps arranged for right-panel installation per SD-99362-01, Fig. 4 with R option; SD-98060-01, Fig. 2 with W option; SD-98050-01, Fig. 2 with A and G options; and SD-98053-01, Fig. 26, universally wired. (See 5.02.)

List 5—Wiring and equipment required in addition to list 3 or 4 where incoming trunk unit is to be mounted in a multisection, 2-position switchboard arranged for terminal strip-ended jack, key, and lamp units.

List 6—Wiring and equipment required in addition to list 3 or 4 where incoming trunk unit is to be mounted in a single-section, 2-position switchboard arranged for terminal strip-ended jack, key, and lamp units.

J99244E—AT&TCo Std—Paging Line key and Lamp Unit

Equipment—J99244E-()

List 1—A&M Only—Assembly, wiring, and equipment for ten paging line, all-call, tone, and release keys arranged for left-panel installation only in accordance with SD-98055-01, Fig. 2 and 3 with S and W options, universally wired. (See 5.02.)

List 2—A&M Only—Assembly, wiring, and equipment for ten paging line, all-call, tone, and release keys arranged for right-panel installation only in accordance with SD-98055-01, Fig. 2 and 3 with S and W options, universally wired. (See 5.02.)

List 3—Assembly, wiring, and equipment for ten paging line, all-call, tone, and release keys arranged for left-panel installation only in accordance with SD-98055-01, Fig. 2 and 3 with N and W options, universally wired. (See 5.02.)

List 4—Assembly, wiring, and equipment for ten paging line, all-call, tone, and release keys arranged for right-panel installation only in accordance with SD-98055-01, Fig. 2 and 3 with N and W options, universally wired. (See 5.02.)

Note

A. All-call, tone, or release keys may be equipped in the first, second, and third or eighth, ninth, and tenth key positions of either list 1 or 2 by furnishing white AC and PT or red RLS key buttons.

J99244F—AT&TCo Std—Equipment Status Key and Lamp Unit

Equipment—J99244F()

List 1—A&M Only—Assembly, wiring, and equipment for ten equipment status key and lamp circuits arranged for left-panel installation only in accordance with SD-98055-01, Fig. 1 with Z and M options. (See 5.02.)

List 2—A&M Only—Assembly, wiring, and equipment for ten equipment status key and lamp circuits arranged for right-panel installation only in accordance with SD-98055-01, Fig. 1 with Z and M options. (See 5.02.)

List 3—Assembly, wiring, and equipment for ten equipment status key and lamp circuits arranged for left-panel installation only in accordance with SD-98055-01, Fig. 1 with Z and V options. (See 5.02.)

List 4—Assembly, wiring, and equipment for ten

equipment status key and lamp circuits arranged for right-panel installation only in accordance with SD-98055-01, Fig. 1 with Z and V options. (See 5.02.)

J99244G—AT&TCo Std—Cord Circuit Keyshelf Unit—Surface Wired

Equipment—J99244G()

List 1—Assembly, wiring, and equipment for one cord circuit keyshelf unit with two cord circuits in accordance with SD-98052-01, Fig. 3. (See Note A.)

Note

A. Provide wiring per SD-98052-01, S option, for additions in existing installations equipped per S option. Provide wiring per SD-98052-01, T option, for new installations or for conversions from 520A or 520B to 520C emergency reporting system.

J99244H—AT&TCo Std—Cord Circuit Relay Unit—Surface Wired

Equipment—J99244H()

List 1—Assembly, wiring, and equipment for one cord circuit relay unit in accordance with SD-98052-01, Fig. 2. (See Notes A, B, and C.)

List 2—A&M Only—Equipment required in addition to list 1 in accordance with SD-98052-01, Fig. 2, S option, for additions in existing installations equipped per S option.

List 3—Equipment required in addition to list 1 in accordance with SD-98052-01, Fig. 2, T option, for new installations or for conversions from 520A or 520B to 520C emergency reporting system.

Notes

A. Provide wiring per SD-98052-01, J option, where the cord circuit is arranged for audible disconnect. Provide wiring per SD-98052-01, K option, where the cord circuit is arranged without audible disconnect.

B. Where list 2 is specified, provide wiring per SD-98052-01, S option. Where list 3 is specified, provide wiring per SD-98052-01, T option.

C. Where list 1 is specified for addition in installations equipped with 2Y lamps in the switchboard, provide wiring per SD-98052-01, N option, across the terminals of the A and C resistors.

J99244J—AT&TCo Std—Position Unit—Surface Wired

Equipment—J99244J-()

List 1—Assembly, wiring, and equipment for one position unit in accordance with SD-98052-01, Fig. 1 (two circuits) and Fig. 7. (See Note A.)

Note

A. Provide wiring per Z option where connection to voice recorder is not required.

J99244L—AT&TCo Std—Central Office Trunk and Common Equipment Frame

Equipment—J99244L-()

List 1—Assembly, wiring, and equipment for one central office trunk and common equipment frame.

	WIRE	EQUIP	NOTES
Central Office Trunk Circuit, SD-99362-01:			
Fig. 1	14	0	B
Fig. 2	4	0	
Fig. 3	14	0	
Position, Grouping, and Cord Circuit, SD-98052-01:			
Fig. 1	2	0	A
Fig. 2	8	0	A

Alarm Circuit, SD-98053-01:

Fig. 1	1	0
Fig. 2	1	0
Fig. 4	1	0
Fig. 6	59	0
Fig. 21	1	0

Flash and Wink Circuit, SD-98054-01:

Fig. 1	1	0	C
Fig. 4	2	0	

Miscellaneous Circuits, SD-98055-01:

Fig. 1	40	0	A
Fig. 5	36	0	
Fig. 6	3	0	
Fig. 7	1	0	

Notes

A. Provide 48-volt battery supply only.

B. One-way operation can be obtained by providing Z wiring per SD-99362-01.

C. Frame local cable shall include wiring per SD-98054-01, Q option.

J99244M—A&M Only—Fire Station Line Unit—Two Odd or Two Even Station Lines for Same Answering Positions—Surface Wired

Equipment—J99244M-()

List 1—Assembly, wiring, and equipment for one fire station line unit with two line circuits in accordance with SD-98050-01, Fig. 1 with Q and H options. (See Notes A and B.)

Notes

- A. Provide S wiring for tie trunks, special lines, etc, when locked-in trunk lamps are desired. Provide J wiring when locked-in trunk lamps are not desired.
- B. Provide W and T wiring when trunk lock delay is required. Provide X wiring when trunk lock delay is not required.

J99244N—AT&TCo Std—Fire or Police Station Line and Central Office Trunk Frame

Equipment—J99244N-()

- List 1**—Assembly, wiring, and equipment for one line and trunk frame, 40-station line and 6-trunk capacity.

	WIRE	EQUIP	NOTES
Fire Station Line Circuit, SD-98050-01, Fig. 4 or Police Station Line Circuit, SD-98065-01, Fig. 5	4	0	
Flash and Wink Circuit, SD-98054-01: Fig. 9	2	0	
Fig. 10 or 11	4	0	
Fig. 16	2	0	
Central Office Trunk Circuit, SD-99362-01: Fig. 1	6	0	B
Fig. 3	6	0	
Alarm Circuit, SD-98053-01: Fig. 2	1	0	
Fig. 4	1	0	
Fig. 5	2	0	
Fig. 6	33	0	

Notes

- A. The frame local cable shall include all standard options.
- B. One-way operation can be obtained by providing Z wiring per SD-99362-01.

J99244P—AT&TCo Std—Fire or Police Station Line Frame—60-Line Capacity

Equipment—J99244P-()

- List 1**—Assembly, wiring, and common equipment for one fire or police station line frame, 60-line capacity.

	WIRE	EQUIP	NOTES
Fire Station Line Circuit, SD-98050-01, Fig. 4 or Police Station Line Circuit, SD-98065-01, Fig. 5	6	0	
Alarm Circuit, SD-98053-01: Fig. 2	1	0	
Fig. 4	1	0	
Fig. 5	2	0	
Fig. 6	39	0	
Flash and Wink Circuit, SD-98054-01: Fig. 6 with H Option	1	1	
Fig. 7	2	0	
Fig. 10 or 11	6	0	B
Fig. 16	2	0	

Notes

- A. The local cable shall include all standard options.
- B. The local cable shall provide looped leads at the position of the middle J99244AN unit to permit any combination of multiplying as required by the association of the station lines with the left or right switchboard answering position.

J99244S—A&M Only—Fire and Police Station Line Key and Lamp Unit

Equipment—J99244S-()

- List 1**—Assembly, wiring, and equipment for 40 fire or police station line keys and lamps in accordance with SD-98050-01, Fig. 2 with H option, and SD-98065-01, Fig. 4 with X option, universally wired. (See 5.02.)

- List 2**—Wiring and equipment required in addition to list 1 for 40 fire station line line out lamps in accordance with SD-98050-01, Fig. 1, Y option only.

J99244T—AT&T Co Std—Miscellaneous Unit—Surface Wired

Equipment—J99244T-()

List 1—A&M Only—Assembly, wiring, and common equipment for a miscellaneous unit for 12 paging lines in accordance with SD-98055-01, Fig. 5 with S option (12 circuits) and Fig. 6 and 7.

List 2—A&M Only—Wiring and equipment required in addition to list 1 for an additional 12 paging lines in accordance with SD-98055-01, Fig. 5 with S option (12 circuits) and Fig. 6.

List 3—Assembly, wiring, and common equipment for a miscellaneous unit for 12 paging lines in accordance with SD-98055-01, Fig. 5 with N option (12 circuits) and Fig. 6 and 7.

List 4—Wiring and equipment required in addition to list 3 for an additional 12 paging lines in accordance with SD-98055-01, Fig. 5 with N option (12 circuits) and Fig. 6.

List 5—Wiring and equipment required in addition to list 1 or 3 in accordance with SD-98055-01, Fig. 9, for use in 520-type emergency reporting systems equipped with 2-position type switchboards.

Note

- A. One list 1 or 3 and two list 2 or 4, respectively, provide a maximum of 36 paging lines per unit.

J99244U—AT&T Co Std—Flash and Wink Unit—Surface Wired

Equipment—J99244U-()

List 1—Assembly, wiring, and equipment for one flash and wink unit in accordance with SD-98054-01, Fig. 1, Fig. 13 with A option, and Fig. 4 (two circuits). (See Note A.)

List 2—Wiring and equipment required in addition to list 1 for audible disconnect on calling cords in accordance with SD-98054-01, Fig. 17 with ZA option (two circuits).

Note

- A. Where wiring B option is required, provide a strap across the LP resistor.

J99244W—AT&T Co Std—Trunk Auxiliary Unit—Surface Wired

Equipment—J99244W-()

List 1—Assembly, wiring, and equipment for one trunk auxiliary unit in accordance with SD-99362-01, Fig. 2 (four circuits) and SD-98054-01, Fig. 8 (two circuits).

J99244Y—AT&T Co Std—Alarm and Release Unit—Surface Wired

Equipment—J99244Y-()

List 1—Assembly, wiring, and equipment for one alarm and release unit in accordance with SD-98053-01, Fig. 1, 2, 12, and 15 with S and T options, and SD-98054-01, Fig. 5 with Q option (two circuits).

List 2—Wiring and equipment required in addition to list 1 for use with a 520C emergency reporting system in accordance with SD-98054-01, Fig. 5, R option only (two circuits).

List 3—Wiring and equipment required in addition to list 1 for one equipment room fire detection unit per SD-98053-01, Fig. 22.

Note

- A. Fire detection wire type 1A shall be ordered as required by engineer per job requirements.

J99244AA—AT&T Co Std—Trunk and Common Equipment Frame Fuse Panel—Surface Wired

Equipment—J99244AA-()

List 1—Assembly, wiring, and equipment for one frame fuse panel (72-fuse capacity) in accordance with SD-98053-01, Fig. 4 and 6 (59 circuits).

J99244AB—AT&T Co Std—Station Line and Trunk Frame and Station Line Frame Fuse Panel—Surface Wired

Equipment—J99244AB-()

List 1—Assembly, wiring, and equipment for one frame fuse panel (42-fuse capacity) in

accordance with SD-98053-01, Fig. 4 and 6 (39 circuits).

J99244AC—AT&TCo Std—Police Station Line Unit—Two Odd or Even Lines for Same Answering Position—Surface Wired

Equipment—J99244AC-()

List 1—Assembly, wiring, and equipment for one line unit with two police station line circuits in accordance with SD-98065-01, Fig. 1 with S and V options, and Fig. 6 arranged only for jack answering.

List 2—Equipment and wiring required in addition to list 1 in accordance with SD-98065-01, Fig. 2 with W option, when key answering is also desired (two circuits).

Notes

- A. Where wiring T option is required, provide a strap across the TK1 and TK2 resistors.
- B. Unit wiring shall include S and V options.
- C. Provide wiring per Y option when connection to call recorder or line identifier is not required.

J99244AD—AT&TCo—Selective Routing Unit for Use With Common Fire and Police Call Boxes and Separate Answering Positions—Surface Wired

Equipment—J99244AD-()

List 1—Assembly, wiring, and equipment for one selective routing unit in accordance with SD-98064-01, Fig. 1 (five circuits).

J99244AE—AT&TCo Std—Call Recorder—Line Identifier—Connector Unit—Surface Wired

Equipment—J99244AF-()

List 1—Assembly, wiring, and equipment for one connector in accordance with SD-98066-01, Fig. 1, and SD-98069-01, Fig. 1, universally wired.

Note

- A. Where first position on connector is to be a verification line, provide wiring per SD-98066-01, Y option, or SD-98069-01, Z option, universally wired.

J99244AK—AT&TCo Std—Fire Station Line Unit—Two Odd or Even Lines for Same Answering Position—Surface Wired

Equipment—J99244AK-()

List 1—Assembly, wiring, and equipment for one fire station line unit with two line circuits in accordance with SD-98050-01, Fig. 1, less A and B options, and Fig. 5.

List 2—Wiring and equipment required in addition to list 1 where the switchboard is equipped with B2 lamps in accordance with SD-98050-01, Fig. 1, A and B options.

Notes

- A. Where unit is to be provided as a station line unit, provide S wiring; otherwise, provide J wiring.
- B. Where list 2 is not required, provide V wiring.
- C. Where unit is to be provided as a tie line unit to another 520-type emergency reporting system, provide ZA wiring.
- D. Where unit is to be provided as a station line unit or as a tie line unit to an emergency reporting system other than 520 type and requires loop or ringdown for incoming supervision, provide ZB wiring.
- E. Where unit is to be provided as a station line unit, as a tie line to another 520-type emergency reporting system, or as a tie line to an emergency reporting system other than 520 type and requires ringdown for incoming supervision, provide ZC wiring.
- F. Where unit is to be provided as a tie line to an emergency reporting system other than 520 type and requires ringdown and loop for incoming and outgoing supervision, provide ZD wiring.

G. Where unit is to be provided as a station line unit, as a tie line to another 520-type emergency reporting system, or as a tie line to an emergency reporting system other than 520-type and requires loop for outgoing supervision, provide Z wiring.

J99244AL—AT&TCo Std Fire Station Line Auxiliary Unit—Surface Wired

Equipment—J99244AL-()

List 1—Assembly, wiring, and equipment for one fire station line auxiliary unit (ten even and ten odd line capacity) in accordance with SD-98050-01, Fig. 4 (two circuits) and SD-98054-01, Fig. 10 (two circuits).

List 2—A&M Only—Wiring and equipment required in addition to list 1 when connection to the call recorder is required in accordance with SD-98054-01, Fig. 10, Z option only (two circuits).

List 3—Wiring and equipment required in addition to list 1 when connection to the call recorder or line identifier is required in accordance with SD-98054-01, Fig. 10, S option only (two circuits).

J99244AM—AT&TCo Std—Fire or Police Station Line Frame Alarm Unit—Surface Wired

Equipment—J99244AM-()

List 1—Assembly, wiring, and equipment for one frame alarm unit in accordance with SD-98053-01, Fig. 2 with S option; Fig. 28 (two circuits); and SD-98054-01, Fig. 7 with ZG option (two circuits).

J99244AN—AT&TCo Std—Fire Station and Auxiliary Line Unit—Loose Wired

Equipment—J99244AN-()

List 1—Assembly, wiring, and equipment for one station and auxiliary line unit for ten even and ten odd fire station lines associated with the same switchboard answering position.

	WIRE	EQUIP	NOTES
Fire Station Lines Circuit, SD-98050-01:			
Fig. 1	20	0	A
Fig. 4	2	0	
Fig. 5	10	0	A
Fig. 6	10	0	A
Flash and Wink Circuit, SD-98054-01:			
Fig. 10	2	0	

Note

A. Provide wiring only for the number of circuits equipped.

J99244AP—AT&TCo—Police Line Auxiliary Unit—Surface Wired

Equipment—J99244AP-()

List 1—A&M Only—Assembly, wiring, and equipment for one police line auxiliary unit in accordance with SD-98065-01, Fig. 5 (two circuits) and SD-98054-01, Fig. 11 (two circuits).

List 2—Assembly, wiring, and equipment required for one police line auxiliary unit in accordance with SD-98065-01, Fig. 5 (two circuits) and SD-98054-01, Fig. 18 (four circuits).

List 3—Assembly, wiring, and equipment required in addition to list 2 for the first police line auxiliary unit on each police station line frame or police station line and central office trunk frame in accordance with SD-98054-01, Fig. 16 (two circuits).

J99244AR—AT&TCo Std—Station Line Key and Lamp Unit

Equipment—J99244AR-()

List 1—A&M Only—Assembly, wiring, and equipment for ten police station line keys and lamps arranged for left-panel installation only, in accordance with SD-98065-01, Fig. 4 with W and T options. (See 5.02.)

List 2—A&M Only—Assembly, wiring, and equipment for ten police station line keys and lamps arranged for right-panel installation only, in accordance with SD-98065-01, Fig. 4 with W and T options. (See 5.02.)

List 3—Assembly, wiring, and equipment for ten

police station line keys and lamps arranged for left-panel installation only, in accordance with SD-98065-01, Fig. 4 with W and S options, and SD-98074-01, Fig. 4, universally wired. (See 5.02.)

List 4—Assembly, wiring, and equipment for ten police station line keys and lamps arranged for right-panel installation only, in accordance with SD-98065-01, Fig. 4 with W and S options, and SD-98074-01, Fig. 4, universally wired. (See 5.02.)

List 5—Wiring and equipment required in addition to list 3 or 4 where unit is to be mounted in a multisection 2-position switchboard arranged for terminal strip-ended jack, key, and lamp units.

List 6—Wiring and equipment required in addition to list 3 or 4 where unit is to be mounted in a single-section 2-position switchboard arranged for terminal strip-ended jack units.

J99244AS—AT&T Co Std—Line and Trunk Frame Alarm Unit—Surface Wired

Equipment—J99244AS-()

List 1—Assembly, wiring, and equipment for one trunk and line frame alarm unit in accordance with SD-98053-01, Fig. 2 with S option and Fig. 28 (two circuits), and SD-98054-01, Fig. 9 (two circuits).

J99244AT—AT&T Co Std—Police Station and Auxiliary Line Unit—Loose Wired

Equipment—J99244AT-()

List 1—Assembly, wiring, and equipment for one station and auxiliary line unit for ten even and ten odd police station lines associated with the same switchboard answering position.

	WIRE	EQUIP	NOTES
Flash and Wink Circuit, SD-98054-01:			
Fig. 11 or 16	2	0	
Fig. 18	4	0	
Police Station Line Circuit, SD-98065-01:			
Fig. 1	20	0	A,B
Fig. 2	20	0	A
Fig. 5	2	0	
Fig. 6	20	0	A

Notes

- A. Provide wiring only for the number of circuits equipped.
- B. Provide wiring per V option when connection to call recorder or line identifier is required. Provide wiring per Y option when connection to call recorder or line identifier is not required.

J99244AU—A&M Only—Police Station Line Unit—Two Odd or Even Station Lines for Same Answering Position—Surface Wired

Equipment—J99244AU-()

List 1—Assembly, wiring, and equipment for one line unit with two police station line circuits in accordance with SD-98065-01, Fig. 1, arranged only for jack answering.

List 2—Equipment and wiring required in addition to list 1 in accordance with SD-98065-01, Fig. 2 with X option when key answering is also desired (two circuits).

J99244AW—AT&T Co Std—Equipment Status Key and Lamp Unit

Equipment—J99244AW-()

List 1—A&M Only—Assembly, wiring, and equipment for ten equipment status key and lamp circuits arranged for left-panel installation only in accordance with SD-98055-01, Fig. 1, Y and M options. (See 5.02.)

List 2—A&M Only—Assembly, wiring, and equipment for ten equipment status key and lamp circuits arranged for right-panel installation only in accordance with SD-98055-01, Fig. 1, Y and M options. (See 5.02.)

List 3—Assembly, wiring, and equipment for ten equipment status key and lamp circuits arranged for left-panel installation only in accordance with SD-98055-01, Fig. 1, Y or T option. (See 5.02.)

List 4—Assembly, wiring, and equipment for ten equipment status key and lamp circuits arranged for right-panel installation only in accordance with SD-98055-01, Fig. 1, Y or T option. (See 5.02.)

J99244AY—AT&TCo Std—Long Line Unit Arranged for Station Line Circuit Without Rering or Line and Switch Circuit—Surface Wired

Equipment—J99244AY-()

- List 1**—Assembly, wiring, and equipment for long line circuit in accordance with SD-98073-01, Fig. 1 (three circuits). (See Notes A and C.)
- List 2**—Equipment required in addition to list 1 when a long line circuit connects to a station line circuit, in accordance with SD-98073-01, X option. (See Note B.)
- List 3**—Equipment required in addition to list 1 when a long line circuit connects to a line and switch circuit in accordance with SD-98073-01, W option.
- List 4**—Equipment required in addition to list 1 when a long line circuit connects to a line and switch circuit arranged for selective routing in accordance with SD-98073-01, K option.

Notes

- A. Provide wiring per SD-98073-01, Z option with list 1.
- B. Provide wiring per SD-98073-01, Y option with list 2 when station line circuit is arranged with selective routing.
- C. Provide wiring and equipment per SD-98073-01, F option always required in addition to list 1. The installer shall strap between the terminals of the T1, T2, R1, and R2 resistors per SD-98073-01, E, B, A, and/or ZA options as required by the station conductor loop resistance.

J99244BA—AT&TCo Std—Long Line Unit Arranged for Station Line Circuit With Rering

Equipment—J99244BA-()

- List 1**—Assembly, wiring, and equipment for long line circuit in accordance with SD-98073-01, Fig. 1 and 2 with X option. (See Notes A and B.)
- List 2**—Wiring and equipment for one ± audible ringing lamp in accordance with SD-98073-01, Fig. 3.

Notes

- A. Provide wiring and equipment per SD-98073-01, F option always required in addition to list 1. The installer shall strap between the terminals of the T1, T2, R1, and R2 resistors per SD-98073-01, E, B, A, and/or ZA options as required by the station conductor loop resistance.
- B. Provide wiring per SD-98073-01, Y option with list 1 when station line circuit is arranged with selective routing.

J99244BB—AT&TCo Std—Call Recorder Frame

Equipment—J99244BB-()

- List 1**—Assembly, wiring, and common equipment for one call recorder frame, 200- to 300-line capacity.

	WIRE	EQUIP	NOTES
Time-of-Day Circuit, SD-98070-01:			
Fig. 1	1	0	A
Fig. 2	1	0	
Flash and Wink Circuit, SD-98054-01:			
Fig. 6, G Option	1	0	
Teletypewriter and Control Circuit, SD-98077-01:			
Fig. 1	1	0	B
Fig. 2	1	0	B
Fig. 3	1	0	B
Fig. 6	1	0	B
Printer Control Circuit, SD-98145-01:			
Fig. 1	1	0	B
Fig. 2	1	0	B
Fig. 3	1	0	B
Alarm Circuit, SD-98053-01:			
Fig. 2 With S Option	1	0	D
Fig. 4	1	0	
Fig. 6 and 18	16	0	C
Fig. 16	1	0	
Fig. 19	1	0	

Notes

- A. On B terminal strip of time-of-day unit J99244BC, provide wiring per SD-98070-01 as

follows: Y option during nonleap years and Z option during leap years.

- B. Frame local cable shall include wiring for SD-98077-01 and SD-98145-01, universally wired.
- C. Frame local cable shall include wiring for SD-98053-01, Fig. 6 and 18, universally wired.
- D. Frame local cable shall include wiring per SD-98053-01, S option.
- E. Interconnection of connector units to time-of-day and control units and interconnection between connector units shall be run with loose wire in accordance with job information.

J99244BC—AT&TCo Std—Time-of-Day Unit—Surface Wired (See Note A)

Equipment—J99244BC()

List 1—Assembly, wiring, and equipment for one time-of-day connector and alarm unit in accordance with SD-98070-01, Fig. 1 and 2; SD-98077-01, Fig. 1; or SD-98145-01, Fig. 2, universally wired; SD-98069-01, Fig. 2 or SD-98076-01, Fig. 2, universally wired; SD-98053-01, Fig. 2 with S option and Fig. 16, 18, 19, and 20; SD-98054-01, Fig. 6, G option; and SD-98077-01, Fig. 6.

Note

- A. Wiring between selectors and connecting apparatus shall be in the form of a unit local cable.

J99244BE—AT&TCo Std—Teletypewriter and Control Unit—Surface Wired

Equipment—J99244BE()

List 1—Assembly, wiring, and equipment for one teletypewriter control unit in accordance with SD-98077-01, Fig. 2.

List 2—Wiring and equipment required in addition to list 1 when teletypewriter is arranged to serve concentrator lines in accordance with SD-98077-01, Fig. 3.

J99244BF—AT&TCo Std—Call Recorder Frame Fuse Panel—Surface Wired

Equipment—J99244BF()

List 1—Assembly, wiring, and equipment for one call recorder frame fuse panel (26-fuse capacity) in accordance with SD-98053-01, Fig. 4 and 6 (ten circuits).

List 2—Wiring and equipment in addition to list 1 for each selective station connector unit in accordance with SD-98053-01, Fig. 6 and 18.

List 3—Wiring and equipment in addition to list 1 for each line identifier connector unit in accordance with SD-98053-01, Fig. 6 (two circuits).

List 4—Wiring and equipment in addition to list 1 for teletypewriter and control unit in accordance with SD-98053-01, Fig. 6.

List 5—Wiring and equipment in addition to list 1 for printer control unit in accordance with SD-98053-01, Fig. 18.

Note

- A. Lists 2 and 3 shall be universally wired.

J99244BG—AT&TCo Std—Identifier Connector Frame

Equipment—J99244BG()

List 1—Framework, assembly, and equipment for one identifier connector frame.

Note

- A. A frame local cable is not required for this frame. Units mounted on this frame shall be interconnected by loose wiring. Switchboard cabling will provide for connections to the fuse panel and associated connector units on the call recorder frame J99244BB.

J99244BH—AT&TCo Std—Call Recorder Test Key Face Equipment

Equipment—J99244BH()

List 1—Assembly, wiring, and equipment for one call recorder test key unit (arranged for left-panel installation) required when headquarters is equipped with a teletypewriter or a printer in accordance with SD-98070-01,

Fig. 3 (3 circuits); SD-98077-01, Fig. 5 (1 circuit); or SD-98145-01, Fig. 5 (1 circuit); and SD-98068-01, Fig. 2 (6 circuits) or SD-98069-01, Fig. 3 (6 circuits) or SD-98076-01, Fig. 3 (6 circuits). (See 5.02.)

List 2—Assembly, wiring, and equipment for ten call recorder test keys, for use with teletypewriter, printer or teletypewriter transfer units arranged for left-panel installation only per SD-98077-01, Fig. 8.

Note

- A. When call recorder test key unit is required for concentrator systems, keys in positions 1 through 4 are spares and are wired the same as TST-L key and TST-R key per SD-98068-01, Fig. 2.
- B. When call recorder test key unit is required for direct line systems, keys in positions 1 through 5 are spares and are wired the same as TST key in position 6 per SD-98069-01, Fig. 3.
- C. When call recorder test key unit is required for an industrial system, keys in positions 1 through 5 are spares and are wired the same as TST key in position 6 per SD-98076-01, Fig. 3.

J99244BJ—AT&TCo Std—Alarm Panel Unit—Surface Wired

Equipment—J99244BJ-()

List 1—Assembly, wiring, and equipment for one alarm panel to be used when guard tour is not ordered per SD-98053-01, Fig. 7, and SD-98054-01, Fig. 12.

List 2—Assembly, wiring, and equipment for one alarm panel to be used when guard tour is ordered per SD-98053-01, Fig. 7, and SD-5E054-01, Fig. 12.

J99244BK—AT&TCo Std—Dead Man Alarm Unit—Surface Wired

Equipment—J99244BK-()

List 1—Assembly, wiring, and equipment for one dead man alarm unit in accordance with SD-98053-01, Fig. 6 and Fig. 21 with H option.

J99244BL—AT&TCo Std—Position Unit—Surface Wired

Equipment—J99244BL-()

List 1—Assembly, wiring, and equipment for one position unit in accordance with SD-98052-01, Fig. 1 (two circuits) and Fig. 6 (one circuit). (See Note A.)

Note

- A. Provide wiring per Z option when connection to voice recorder is not required.

J99244BM—AT&TCo Std—Cord Circuit Relay Unit—Surface Wired

Equipment—J99244BM-()

List 1—Assembly, wiring, and equipment for one cord circuit relay unit in accordance with SD-98056-01, Fig. 2 (one circuit). (See Note A.)

Note

- A. Provide wiring per X option when cord circuit is to be arranged for audible disconnect. Provide wiring per W option when cord circuit is to be arranged without audible disconnect.

J99244BN—AT&TCo Std—Printer Control Unit—Surface Wired

Equipment—J99244BN-()

List 1—Assembly, wiring, and equipment for one printer control unit in accordance with SD-98145-01, Fig. 1.

List 2—Wiring and equipment required in addition to list 1 when printer is arranged to serve concentrator lines in accordance with SD-98145-01, Fig. 3.

J99244BP—AT&TCo Std—Central Office Trunk Unit

Equipment—J99244BP-()

List 1—Assembly and wiring for two central office trunks (2-way or incoming) in accordance with SD-99362-01, Fig. 1 with V, Y, and Z options, two App Fig. per unit.

List 2—Wiring and equipment required in addition to list 1 when trunk key appearance and jack appearance at both positions of switchboard is required in accordance with SD-99362-01, App Fig. 3, two App Fig. per unit.

List 3—Wiring and equipment required in addition to list 1 when central office is associated with dial PBX tie trunk arranged for off-hook supervision having ground on tip in accordance with SD-99362-01, with U option, omit V option.

List 4—Wiring and equipment required in addition to list 1 when central office trunk is associated with dial PBX tie trunk arranged for ground on ring in accordance with SD-99362-01, with X option, omit Y option.

J99244BR—AT&T Co Std—Make-Busy Jack Unit

Equipment—J99244BR-()

List 1—Assembly, wiring, and equipment for one make-busy jack unit equipped with one jack circuit in accordance with SD-98055-01, Fig. 12.

List 2—Equipment and wiring required in addition to list 1 to provide one additional make-busy jack circuit in accordance with SD-98055-01, Fig. 12.

J99244BS—AT&T Co Std—Teletypewriter Transfer Unit

Equipment—J99244BS-()

List 1—Assembly, wiring, and equipment for one teletypewriter transfer unit per SD-98077-01, Fig. 7.

Notes

A. Provide two teletypewriter transfer units when two teletypewriters are provided per plant.

B. This unit is arranged to mount on teletypewriter control.

J99244BT—AT&T Co Std—High Voltage Control Unit

Equipment—J99244BT-()

List 1—Assembly, wiring, and equipment arranged for six high voltage control circuits but equipped with one high voltage control circuit per SD-98053-01, Fig. 25.

List 2—Wiring and equipment required in addition to list 1 for one additional high voltage control circuit per SD-98053-01, Fig. 25 (maximum 5 per list 1).

J99244BU—AT&T Co Std—Long Line Unit

Equipment—J99244BU-()

List 1—Equipment and wiring required to provide a dial long line unit arranged for use with the station line circuit with or without selective routing per SD-5E059-01, Fig. 1, wiring options X, Y, and Z.

List 2—Equipment and wiring required to provide dial long line unit arranged for use with the line and switch circuit with or without selective routing per SD-5E059-01, Fig. 1, wiring options W and Z.

J99244BW—AT&T Co Std—Line Out and Trunk Jack and Line Out Lamp Switchboard Face Equipment

Equipment—J99244BW-()

List 1—Assembly, wiring, and equipment for 20 trunk jacks and lamps and 20 line out lamps arranged for left-panel installation only per SD-98074-01, Fig. 9.

List 2—Assembly, wiring, and equipment for 20 trunk jacks and lamps and 20 line out lamps arranged for right-panel installation per SD-98074-01, Fig. 9.

List 3—Switchboard cable required in addition to list 1 or 2 when a 6-panel 520A switchboard is equipped with 224A terminal strips.

List 4—Switchboard cable required in addition to list 1 or 2 when a 2-panel 520A switchboard is equipped with 224A terminal strips.

J99244CA—AT&T Co Std—Line Out and Trunk Lamp Switchboard Face Equipment

Equipment—J99244CA-()

List 1—Assembly, wiring, and equipment for 20 line out and trunk lamps arranged for left-panel installation only per SD-98074-01, Fig. 11.

List 2—Assembly, wiring, and equipment for 20 line out and trunk lamps arranged for right-panel installation per SD-98074-01, Fig. 11.

List 3—Switchboard cable required in addition to list 1 or 2 when a 6-panel 520A switchboard is equipped with 224A terminal strips.

List 4—Switchboard cable required in addition to list 1 or 2 when a 2-panel 520A switchboard is equipped with 224A terminal strips.

5. GENERAL NOTES

Wiring

5.01 No. 22 gauge type BU wire shall be used for all local cable wiring in the switchboard and No. 24 gauge type BU wire shall be used for frame local cable wiring. No. 24 gauge type BG wire (type SW1 wiring) shall be used for surface wiring on all units. No. 24 gauge type BG wire shall be used for all surface wiring on fuse panels.

5.02 The wiring for the J99244B, J99244C, J99244D, J99244E, J99244F, J99244S, J99244AR, J99244AW, J99244BH, J99244BW, and J99244CA units located in the face of the switchboard includes the switchboard cable connected to the jacks, keys, and lamps. Where these units are to be mounted in switchboards not arranged for terminal strip-ended face units, the length of cable must be specified for the particular installation. The free end of the cable will be connected to the associated relay rack unit, distributing frame terminal strips, or binding post chamber as required by the installer. Where the J99244C, J99244E, J99244F, J99244AW, J99244BH, J99244BW, and J99244CA units are to be mounted in switchboards arranged for terminal strip-ended face equipment, the type of switchboard, multisection or single-section, should be specified with J-code list information. The free end of the cable will be connected to the associated terminal strip in the switchboard at the shop.

List of A&M Only and Mfr Disc. Equipment

EQUIPMENT	RATING	DETAILS LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J99244A,L1 &L4	Mfr Disc.	5	J99244A,L11
J99244A,L3	Mfr Disc.	5	J99244A,L12
J99244A,L5	Mfr Disc.	5	J99244A,L13

EQUIPMENT	RATING	DETAILS LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J99244A,L6	Mfr Disc.	5	J99244A,L14
J99244B,L1 &L2	A&M Only	3	J99244B,L3 &L4
J99244C,L1 &L2	A&M Only	3	J99244C,L3 &L4
J99244D,L1 &L2	A&M Only	3	J99244D,L3 &L4
J99244E,L1 &L2	A&M Only	3	J99244E,L3 &L4
J99244F,L1 &L2	A&M Only	3	J99244F,L3 &L4
J99244H,L2	A&M Only	3	J99244H,L3
J99244K	Mfr Disc.	3	J99244BJ
J99244M	A&M Only	1	—
J99244R	Mfr Disc.	5	J99244BP
J99244S	Mfr Disc.	1	—
J99244T,L1 &L2	A&M Only	3	J99244T,L3 &L4
J99244AE	Mfr Disc.	3	J99244BC & J99244BD
J99244AG	Mfr Disc.	3	J99244BB
J99244AH	Mfr Disc.	3	J99244BG
J99244AJ	Mfr Disc.	3	—
J99244AL,L2	A&M Only	2	J99244AL, L3
J99244AM,L3	Mfr Disc.	3	—
J99244AP,L1	A&M Only	2	J99244AP, L2
J99244AR,L1 &L2	A&M Only	3	J99244AR, L3 & L4
J99244AU	A&M Only	1	—
J99244AW,L1 &L2	A&M Only	3	J99244AW, L3 & L4
J99244AY, L5-L11	Mfr Disc.	4	—
J99244BA, L3-L9	Mfr Disc.	4	—
J99244BD	Mfr Disc.	3	—

Bell Telephone Laboratories, Incorporated
Dept 5352

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