

ATTENDANT EQUIPMENT
5- OR 6-TYPE TELEPHONE CONSOLE
METHOD OF OPERATION
701A, 701B, AND 740E PBX

1. GENERAL

1.01 This section covers the method of operating a 5- or 6-type telephone console when used with auxiliary trunk SD-65725-01 arranged to function with attendant line SD-65725-01 or attendant trunk SD-65737-01. Information in this section is also intended for use in applying an overall operational test of connecting circuits.

1.02 This section is reissued for the following reasons:

- (a) To change the designation of the supervisory lamps.
- (b) To revise Table C to incorporate a steady audible signal to the attendant when a calling station disconnects and the attendant failed to disconnect after completion or called party answer.
- (c) To add Table H (night connections).
- (d) To make minor revisions to bring the section up to date.

1.03 The console may be equipped with either a rotary dial or TOUCH-TONE dial. The console may be operated by using either a G3CR handset, a 52A headset, or a 53A headset. The attendant activates the console by plugging a handset or headset into the A or B jack.

2. METHOD OF OPERATION

2.01 When overall operational tests of connecting circuits are made, PBX stations, test lines, test desks, etc, should be employed to establish the necessary conditions for tests. To test a particular trunk, it may be necessary to remove from service other trunks in the group to force its selection.

Caution: Care should be exercised in removing equipment from service during busy periods, to prevent adverse service reactions.

2.02 The 5- and 6-type telephone consoles are similar except for the addition of a 100-station line busy lamp field in the 6-type console. The consoles are equipped with 10 or 16 locking pickup keys, a nonlocking hold key, a locking release key, a night transfer key, and a buzzer cutoff key. A pickup key is released by operating another pickup key or the release key. The hold key is nonreleasing. The trunk supervisory signals are received on the illuminated trunk key and the station supervisory signals on the red hold lamp. The trunk (hold) lamp is removed when the attendant line is used.

2.03 Figures 1 and 2 show the difference in equipment arrangements when an attendant trunk or an attendant line is used with an auxiliary trunk.

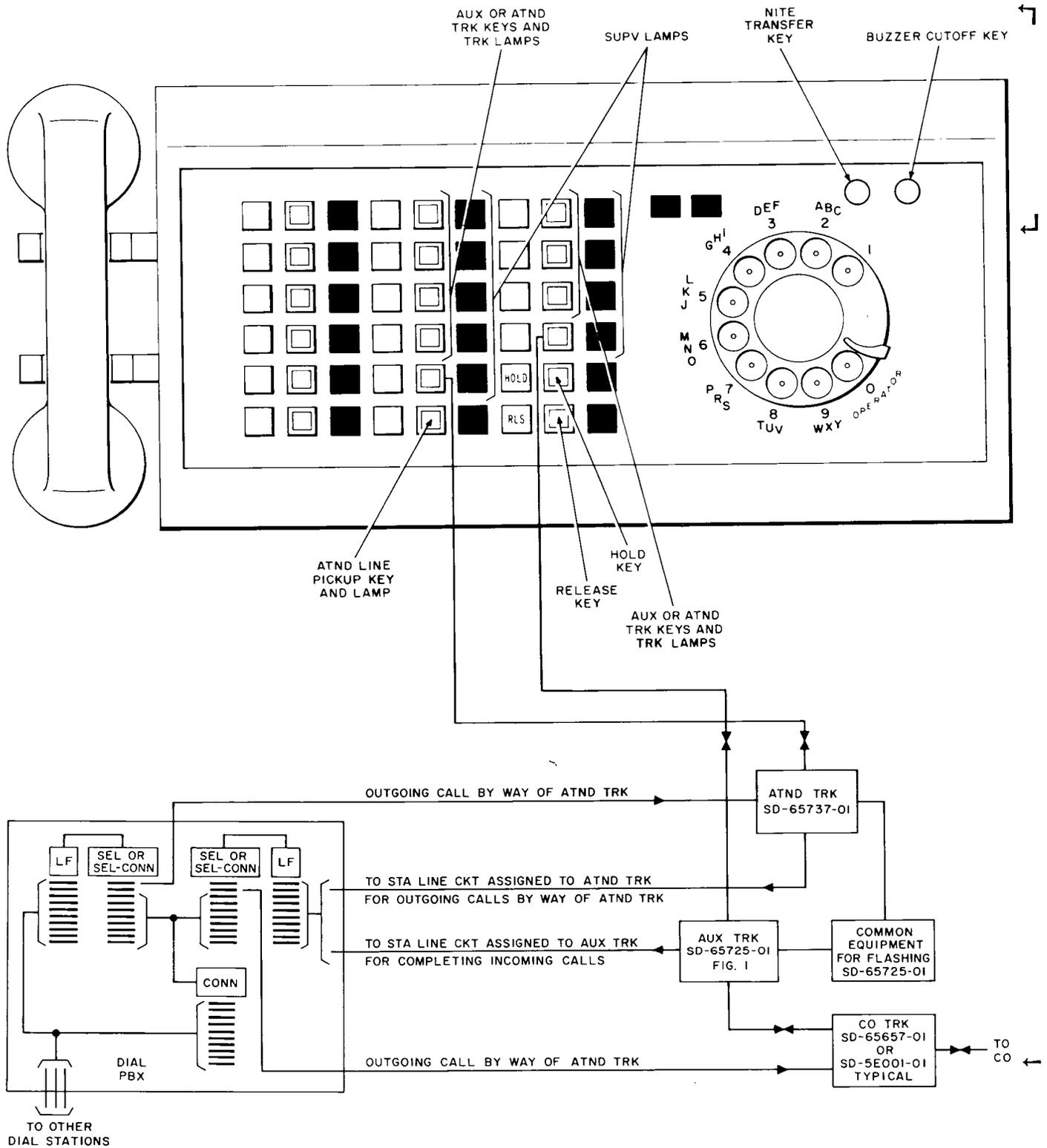


Fig. 1 — Block Diagram of Auxiliary Trunk and Attendant Trunk Using a 5- or 6-Type Telephone Console

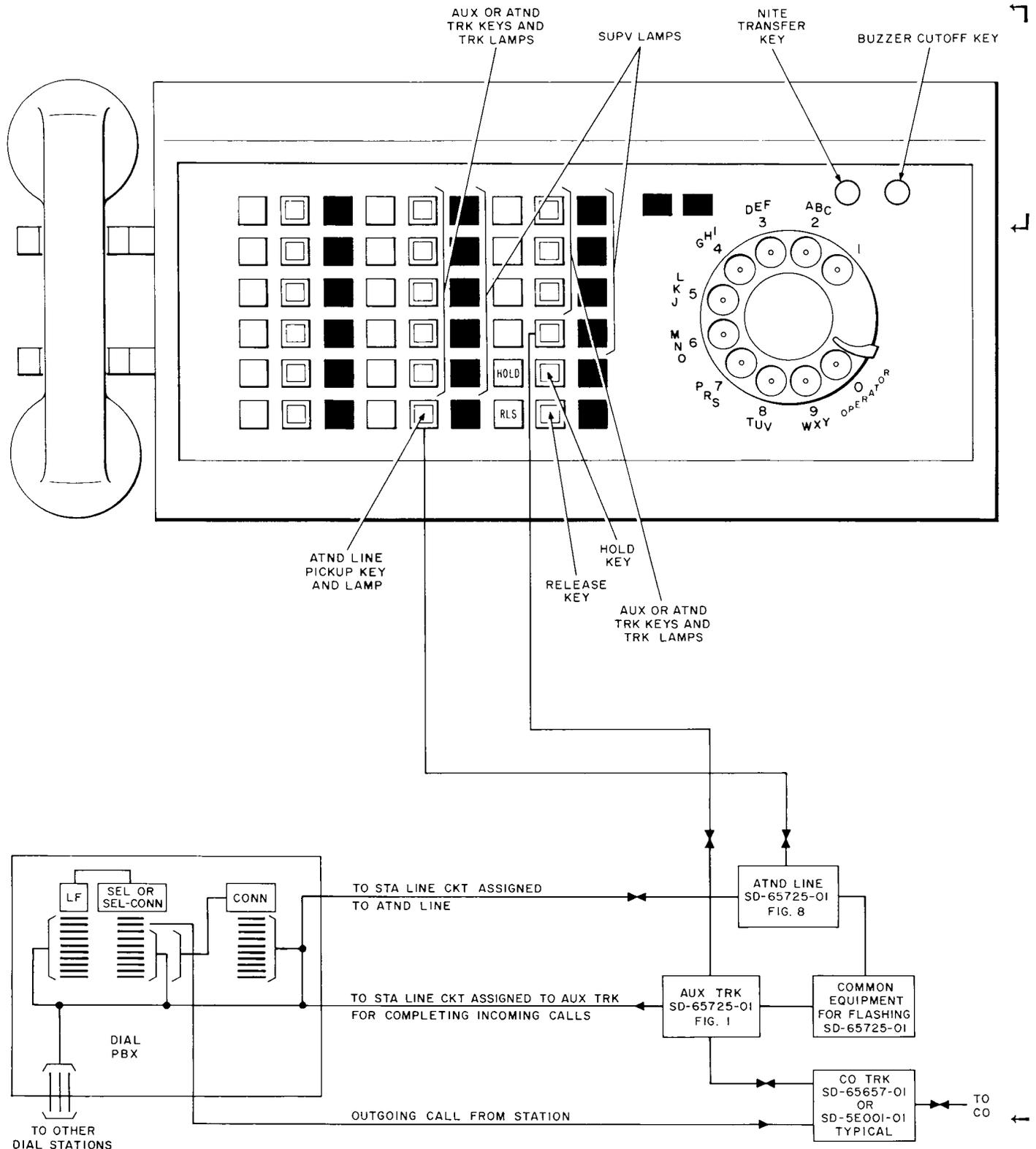


Fig. 2 — Block Diagram of Auxiliary Trunk and Attendant Line Using a 5- or 6-Type Telephone Console

2.04 INDEX FOR TYPICAL CALL TABLES:

A. Legend

B. Incoming Central Office Call

C. Outgoing Central Office Call from Station through Attendant Trunk

D. Outgoing Central Office Call from Station through PBX

E. Outgoing Central Office Call by Attendant through Auxiliary Trunk

F. Station Call to Attendant Line

G. Attendant Call to Station Using Attendant Line

H. Preselected Night Connections

TABLE A

LEGEND

KEY OPERATION		LAMP OPERATION		AUD SIG OPERATION	
R	Released	○	Steadily lighted	CONT	Continuous
O	Operated	●	Dark	SIL	Silent
MO	Momentarily operated	○	Winking — 30 ipm	60	Intermittent
		○	Flashing — 60 ipm		
		○	Flashing — 120 ipm		

TABLE B
INCOMING CENTRAL OFFICE CALL

CONDITION					RESULTS			
S T E P	ACTION	5- AND 6-TYPE TEL CONSOLE						REMARKS
		KEYS			LAMPS		AUD SIG	
		HOLD	RLS	TRK	TRK	STA		
Incoming Signal								
1	Idle condition			R	●	●		
2	Seizure by CO			R	○	●		
3	Ring from CO			R	⊙60	●	60	
4	Atnd answers			O	○	●	SIL	Conversation satisfactory
Call Extended to Busy Station								
5	Atnd holds call	MO			⊙30	●		CO excluded PBX dial tone heard
6	Atnd dials station			O	○	⊙30		Busy tone heard CO still excluded
7	Atnd reconnects to CO, reports station busy	MO			○	●		
Call Extended to Idle Station								
8	Atnd holds call	MO			⊙30	●		CO excluded PBX dial tone heard
9	Atnd dials station			O	○	⊙30		Audible ring heard
10	Atnd disconnects		O		○	⊙30		Audible ring heard by CO
11	Station answers			R	○	○		Conversation between CO and station satisfactory
12	Atnd reconnects			O	○	○		With lockout—Atnd excluded
13	Atnd disconnects		O		○	○		
14	Recall by station for transfer			R	○	⊙120	CONT	
15	Atnd answers			O	○	○	SIL	With secrecy—CO excluded
16	Atnd releases station	MO			○	●		Station released
17	Repeat Steps 8-11							
18	Station disconnects			R	○	●		
19	CO disconnects			R	●	●		

TABLE C

OUTGOING CENTRAL OFFICE CALL FROM STATION THROUGH ATTENDANT TRUNK

CONDITION		RESULTS						
S T E P	ACTION	5- AND 6-TYPE TEL CONSOLE					AUD SIG	REMARKS
		KEYS			LAMPS			
		HOLD	RLS	TRK	TRK	STA		
1	Station dials atnd			R	60	●	60	
2	Atnd answers			O	○	●	SIL	Conversation satisfactory
3	Atnd holds call	MO			○	○		Station excluded PBX dial tone heard
4	Atnd calls CO (test desk or opr)			O	○	○		
5	Atnd disconnects		O		○	○		Conversation between CO and station satisfactory
6	Recall by station			R	120	○	CONT	
7	Atnd answers			O	○	○	SIL	
8	Atnd disconnects		O		○	○		
9	Station disconnects			R	●	○		
10	CO recalls			R	●	○		Station bell rings
11	Station answers			R	120	○	CONT	
12	Atnd answers			O	○	○	SIL	
→ 13	Station disconnects			R	○	●	CONT	
→ 14	Atnd disconnects		O		○	●	SIL	
15	CO disconnects			R	●	●		

TABLE D

OUTGOING CENTRAL OFFICE CALL FROM STATION THROUGH PBX

1	Seizure by dial station or switchboard			R	○	●		
---	---	--	--	---	---	---	--	--

TABLE E

OUTGOING CENTRAL OFFICE CALL BY ATTENDANT THROUGH AUXILIARY TRUNK

CONDITION		RESULTS						
S T E P	ACTION	5- AND 6-TYPE TEL CONSOLE						REMARKS
		KEYS			LAMPS		AUD SIG	
		HOLD	RLS	TRK	TRK	STA		
1	Atnd connects to trunk			O	○	●		With restriction— Trunk cannot be seized
2	Atnd calls CO			O	○	●		Called number reached
3	Call extended same as Table B							

TABLE F

STATION CALL TO ATTENDANT LINE

1	Station dials atnd			R	See 2.02	60	60	
2	Atnd answers			O		○	SIL	Conversation satisfactory
3	Atnd holds call	MO				30		Station hanging up will release call
4	Atnd reconnects	MO				○		
5	Station and atnd disconnect		O			●		

TABLE G

ATTENDANT CALL TO STATION USING ATTENDANT LINE

1	Atnd connects to line			O	See 2.02	○		PBX dial tone heard
2	Atnd dials station			O		○		Audible ring heard
3	Atnd holds call	MO				30		Station hanging up will release call
4	Atnd reconnects	MO				○		
5	Station and atnd disconnect		O			●		

TABLE H

PRESELECTED NIGHT CONNECTIONS

CONDITION		RESULTS			
S T E P	ACTION	5- AND 6-TYPE TEL CONSOLE			REMARKS
		KEY	LAMPS		
		NITE	TRK	STA	
1	Atnd operates NITE key	O	*	*	Idle trunks and stations connected for night service. Busy trunks and stations connected for night service as they become idle.
2	Atnd restores NITE key	R	*	*	Idle trunks and stations restored to normal service. Busy trunks and stations restored to normal service as they become idle.

* Remain in same condition they were before NITE key was operated.