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REFERENCE

525- AND 526-TYPE TELEPHONE SETS

1. GENERAL

1.01 This section provides identification, installation, maintenance, and connection information for the 525 (MD)- and 526-type telephone sets.

1.02 This section is reissued to:

- Add information on the 526AM and 526BM (modular) telephone set
- Show 526A and 526B telephone sets MD
- Revise Fig. 22, 23, 24, and 25
- Revise Tables B, E, and F
- Add Table G through J
- Add Fig. 16, 17, 21, and 26
- Add information on D-180849 and D-180850 Kits of Parts

Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

2. IDENTIFICATION

2.01 The 525- and 526-type telephone sets are equipped with weatherproof housings and intended for outdoor use as central office or PBX stations.

Ordering Guide



A 525-type telephone set is supplied as a complete telephone set while the complete 526-type telephone set consists of a housing, the required telephone set base, and its associated faceplate all of which must be ordered separately.

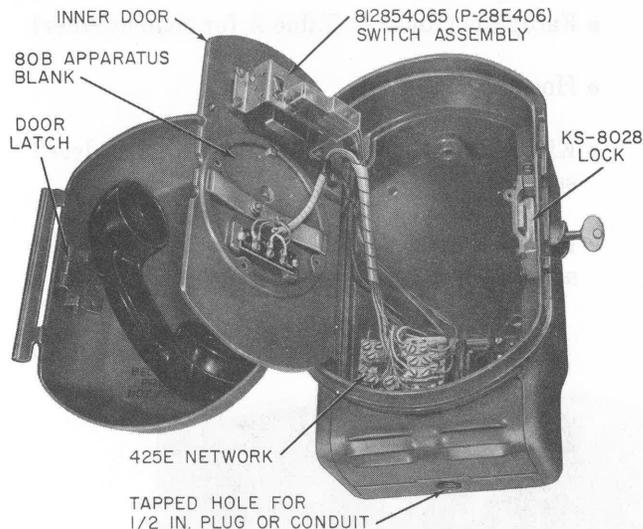


Fig. 1—525A (MD) Telephone Set (Manual), Inner Door Open

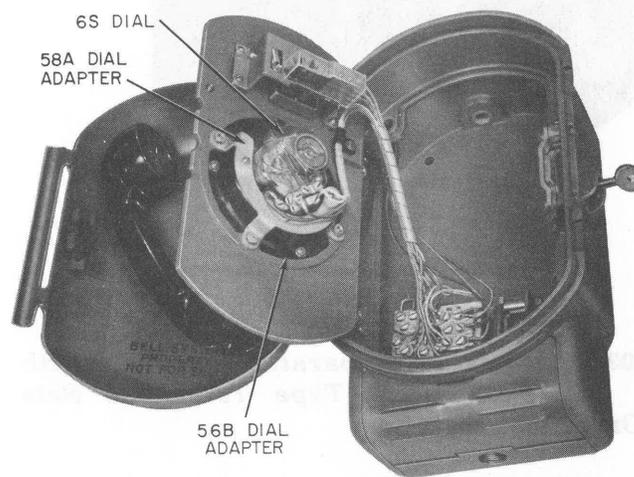


Fig. 2—525B (MD) Telephone Set (Dial), Inner Door Open

NOTICE

Not for use or disclosure outside the Bell System except under written agreement

2.02 Basic Telephone Set and Components:

- Base, Set, Telephone, 526AM (Manual)
- Base, Set, Telephone, 526BM (Rotary Dial)
- Faceplate (Refer to Table A for code number)
- Housing, 526A
- Kit of Parts, D-180849 (single line ordered separately)
- Kit of Parts, D-180850 (two line, ordered separately).

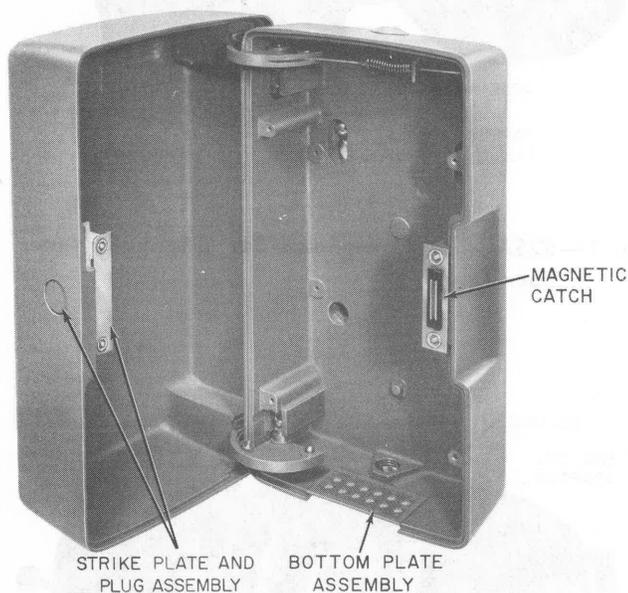


Fig. 3—526A Housing Assembly

2.03 Associated Apparatus for Use with 525- and 526-Type Telephone Sets (Order Separately).

- Bracket, 29D.

2.04 Replaceable Components 525-Type Telephone Set:

- Adapter, Dial, 56B and 58A (525B)
- Blank, Apparatus, 80B (525A)

- Cord, Handset, H4CS-03 (14 inches)
- Dial, 6S-03 (525B)
- Lock, KS-8028 (includes key)
- 811354588 (P-13E458) Case (housing)
- 811354596 (P-13E459) Door (inner)
- 811452234 (P-14E223) Door Assembly (outer)
- 802417659 (P-241765) Cover Assembly (lower)
- Ringer, J1A
- Set, Hand, G3AA-03.

2.05 Replaceable Components 526-Type Telephone Set:

- 812654887 (P-26E488) Hook and Plunger Assembly
- Cord, Handset, H4CJ-03 (526A and B)
- Cord, Handset, H4DU-03 (526AM and BM)
- Cord, Mounting, D4BU-29 (526AM and BM)*
- Cord, Mounting, D6AP-29 (526AM and BM)*
- Dial, 8FA (526B and BM)
- Handset, G3A4-03 (526A and B)
- Handset, G15A-03 (526AM and BM)
- Jack, 616B (526AM and BM)
- Jack, 623P4 or 623P6 (526AM and BM)*
- Ringer, J1A.

2.06 Optional components for the 526-type telephone sets are supplied in kit form. Refer to Table B for ordering information.

Design Features

2.07 525-Type Telephone Sets.

* Manufactured after 1/77.

TABLE A

FACEPLATES FOR 526-TYPE TELEPHONE SETS

FACEPLATE CODE NUMBER	INTENDED USE	
	TELEPHONE SET	OPTIONAL (KIT TYPE) FEATURES
253A1	526A and AM (Manual)	None
253A2		Microswitch
253B1	526B and BM (Rotary Dial)	Single Line Service with or without Exclusion
253B2		Two Line Pick-Up Switch
253B3		Circuit Lock
253B4		Circuit Lock and Two Line Pick-Up Switch

- Transmission characteristics equivalent to other 500-type sets.
- Arranged for outdoor mounting on buildings, fences, poles, etc. using a 29D bracket.
- Self-closing and self-locking outer door (Fig. 1 and 2). Lock can be removed if locking feature is not desired.
- Inner door to seal off set components from customer (Fig. 1 and 2).
- Can be wired for bridged or party line service (Table E).

2.08 526A Housing Assembly (Fig. 3 and 4).

- Overall size: 7 inches wide, 13 inches high, and 6-1/2 inches deep.
- Used to house 526A and B or 526AM and BM telephone set bases.
- Die cast door and housing (gray finish)
- Detent in hinges to hold door in full open position.
- Door self-closing once released from hinge detent.
- Basic housing equipped with permanent magnetic catch and strike plate, early model. Current model, magnet is shipped loose with housing.

- Hole provided in door for installation of mechanical lock (D-180382 Kit of Parts) which replaces the magnetic catch.
- Holes provided for mounting housing to 29D bracket or directly to suitable mounting surface.
- Housing supplied with 1/2-inch pipe plugs inserted in top and bottom tapped holes for conduit installation.
- Hole with grommet insert provided in back of housing as alternate entrance point for line and ground wire.
- Removable bottom plate has screen covered holes to increase ringer audibility.

2.09 526A or AM Telephone Set Base (Fig. 5).

- The 526AM telephone set base is electrically and physically the same as the 526A except sets manufactured before 2/77 are equipped for a plug-ended handset cord only and sets manufactured 1/77 or later, are equipped for both a plug-ended handset and mounting cord.
- Manual type telephone set.
- Transmission characteristics equivalent to other 500-type telephone sets.
- No provision for ringer volume control by the customer.

TABLE B

OPTIONAL FEATURE KITS FOR 526-TYPE TELEPHONE SETS

KIT OF PARTS NUMBER	KIT COMPONENTS	INTENDED USE	FIG.
D-180382	834854564 (P-48V456) Lock Assembly (Includes Key) 834854209 (P-48V420) Strike Plate	Mechanical lock for 526A housing door	11
D-180383	812750537 (P-27E053) Exclusion Switch Arm 801809500 (P-180950) Screws (two) 812750578 (P-27E057) Hook and Plunger Assembly	Provide exclusion feature	12
D-180385	834854580 (P-48V458) Circuit Lock Assembly 814313763 (P-43A376) Screws (two)	Disables dial on telephone set base	14
D-180386	834854598 (P-48V459) Microswitch Assembly 829250331 (P-92N033) Terminal Assembly 814313763 (P-43A376) Screws (four)	526A telephone set base for TD2 radio towers	15
D-180490	834854697 (P-48V469) Plug Assembly 834854382 (P-48V438) Magnet Holder 997028493 (RM-702849) Magnetic Catch 840166763 Screws (four)	Magnetic catch for 526A housing door	4
D-180849	840363932 Bracket 840363840 Box 801812504 (P-181250) Screws (five) 804703361 (P-470336) Washer (two) 811713619 (P-17A361) Terminal Board Assembly Screws, Phillips Head No. 8-1/2 in. (two) Cover Cable Connector Union Pipe Nipple Galvanized 1/2 in. by 3 in. Protector 123A Jack 652A4	Provide for single line pickup	16
D-180850	840363832 Bracket 840363840 Box 801812504 (P-181250) Screws (five) 804703361 (P-470336) Washers (two) 811713619 (P-17A361) Terminal Board Assembly Screws, Phillips Head No. 8-1/2 in. (two) Cover Cable Connector Union Pipe Nipple Galvanized 1/2 in. by 3 in. Protector 128A Jack 652A6 Jack 623P6 834854572 (P-48V457) Switch and Arm Bracket 814454211 (P-44E421) Screws (two)	Provide for two line pickup and signaling	17

Note: Extra keys for 834854564 (P-48V456) lock assembly may be ordered from Western Electric Co. as their (840164545) part number.

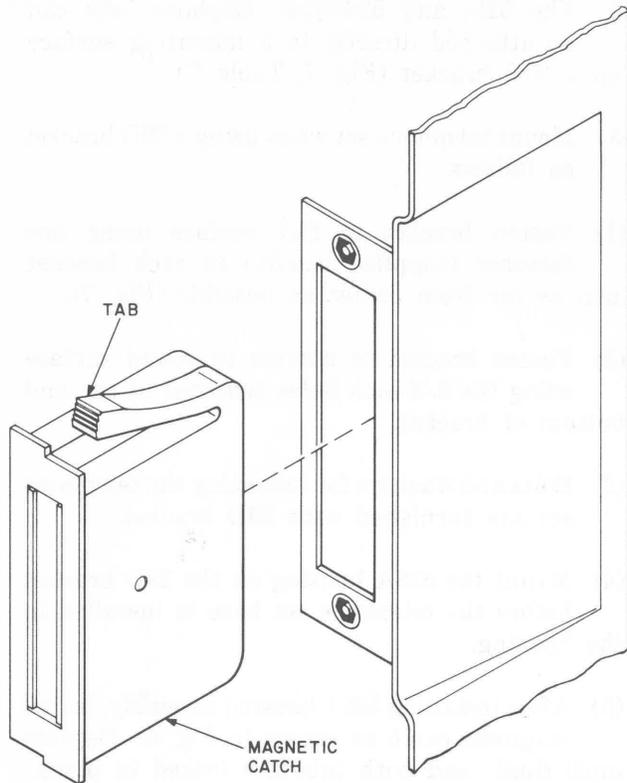


Fig. 4—Partial View of 526A Housing Assembly, Installation of Magnetic Catch

- Wired for single line service, can be modified to provide: two line service, exclusion feature, and microswitch for using telephone set at TD2 radio towers.
- All components mounted on mounting plate for installation in 526A housing.
- For sets not equipped with a 623P4 or 623P6 jack mounting holes are provided for mounting 123-type protector directly below line switch assembly.
- Terminal board equipped with 12 screw terminating points mounted between dial mounting brackets.
- Holes provided in right dial mounting bracket for installation of circuit lock or microswitch kits.
- Can be wired for bridged or party line service (Table F).

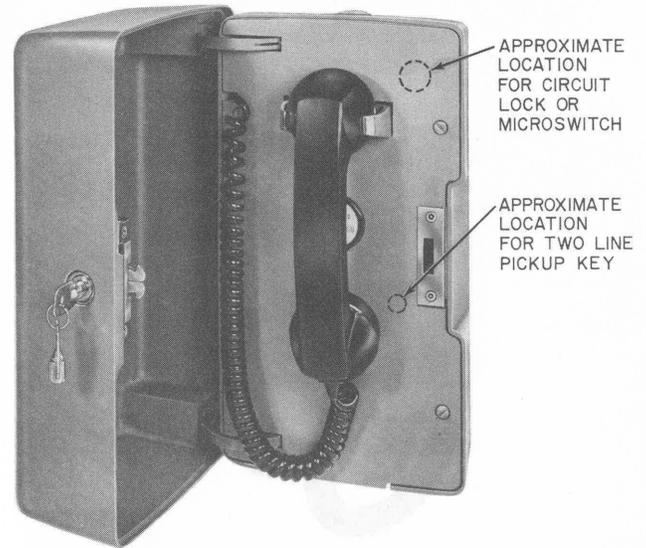


Fig. 5—526A or AM Telephone Set Installed in 526A Housing

2.10 526B or BM Telephone Set Base (Fig. 6).

- The 526B telephone set base is electrically and physically the same as the 526A telephone set base except it is equipped with a rotary type dial.
- The 526BM telephone set base is electrically and physically the same as the 526B except sets manufactured before 2/77 are equipped for a plug-ended handset cord and sets manufactured after 1/77 are equipped for both a plug-ended handset and mounting cord.
- Can be wired for bridged or party line service (Table F).

2.11 D-180849 Kit of Parts (single line pickup).

- This kit provides for a single line modular connection between the CO line and the telephone set. This kit includes a 4-inch piece of rigid conduit and a weatherproof box which contains a mounting bracket, a modular jack, terminal board, and 123-type protector.

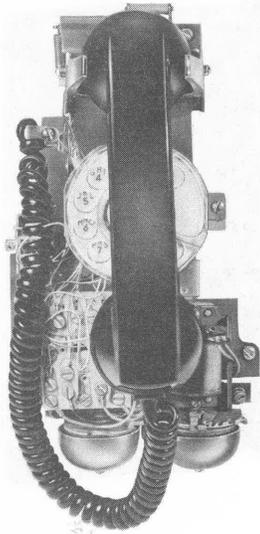


Fig. 6—526B or BM Telephone Base Assembly

2.12 *D-180850 Kit of Parts (two line pickup).*

- This kit provides for a two line modular connection between the CO line and the telephone set. This kit includes a switch and bracket to be mounted in the telephone set base, a four-inch piece of rigid conduit, a weatherproof box which contains a mounting bracket, modular jack, terminal board, and a 128-type protector.

3. INSTALLATION

3.01 Consider the following when selecting a location for the outdoor type instruments:

- Safety for yourself, customer, and maintenance personnel.
- Convenience to the user.
- Obstruction to pedestrian and vehicular traffic.
- Space requirements (allowing for door to open properly).
- General appearance of instrument and exposed wire and cable.

3.02 The 525- and 526-type telephone sets can be attached directly to a mounting surface or on a 29D bracket (Fig. 7, Table C).

3.03 Mount telephone set when using a 29D bracket as follows.

- (1) Fasten bracket to flat surface using one fastener (supplied locally) in each bracket arm as far from center as possible (Fig. 7).
- (2) Fasten bracket to narrow or round surface using the 3/8-inch holes centered at top and bottom of bracket.
- (3) Bolts and washers for mounting the telephone set are furnished with 29D bracket.
- (4) Mount the 526A housing on the 29D bracket before the telephone set base is installed in the housing.
- (5) After installing 526A housing assembly, install magnetic catch as shown in Fig. 4. Depress until flush, and both tabs are locked in place.
- (6) With the outer and inner doors open, mount the telephone set in the housing.

3.04 Protect the ground and line wires or plug-ended mounting cord with 1/2-inch rigid conduit. Threaded entrance holes are provided at top and bottom of housings for conduit installation.

3.05 The 526-type telephone base is fastened to a 526A housing with three screws which are furnished with the base.

3.06 *Protector, 123- and 128-Type, Installation.*

- For nonmodular 526-type telephone sets, the protector is mounted between the line switch assembly and dial brackets.
- For modular 526-type telephone sets, the protector is part of a Kit of Parts that is installed inside a weatherproof box.
- A local ground shall be connected to the ground terminal on the protector which in turn grounds the conduit and 526A housing.

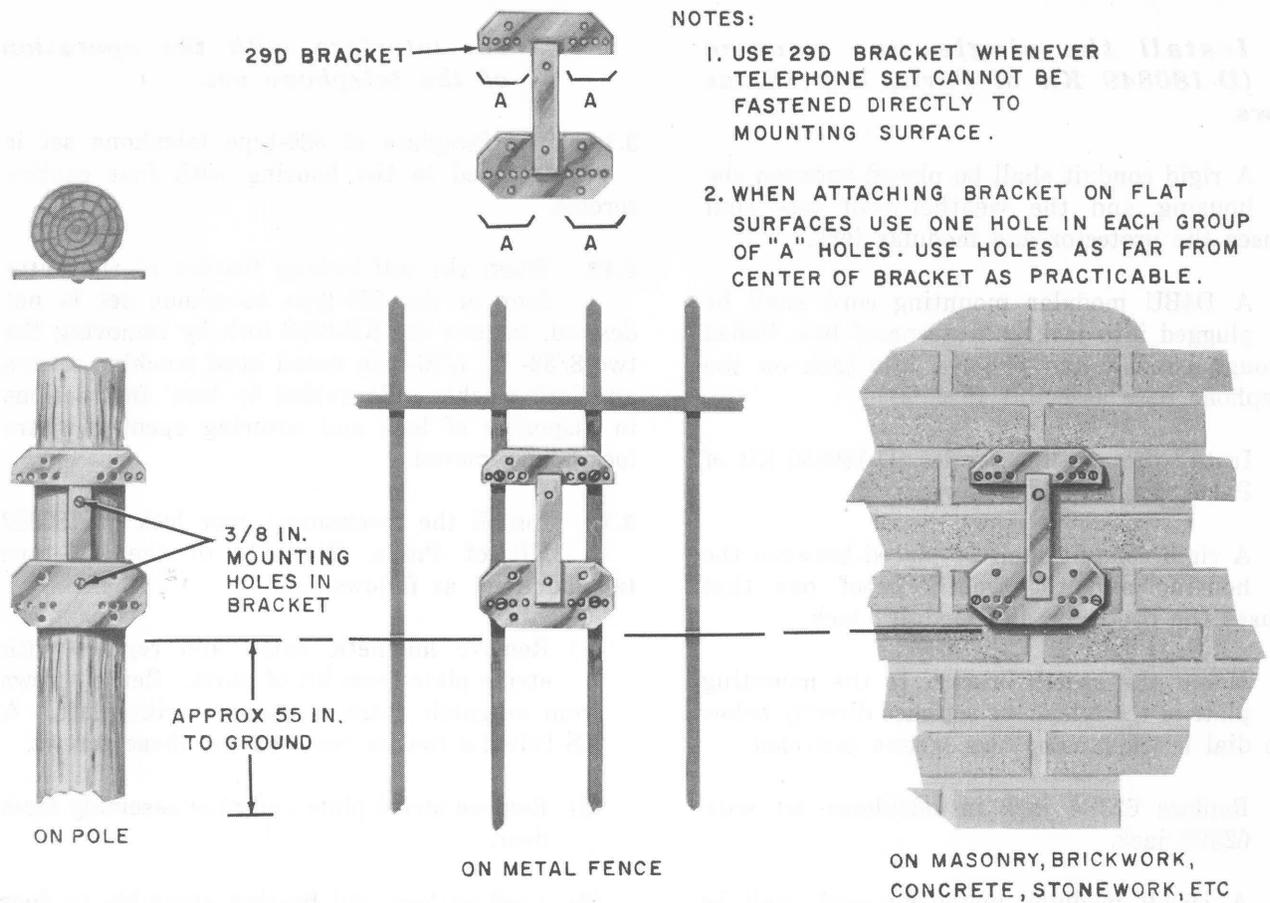


Fig. 7—29D Bracket Mounted on Various Surfaces

TABLE C
FASTENERS FOR 29D BRACKET

SURFACE	QUAN	FASTENERS
Wood	4	1-1/2 in. No. 14 RH galvanized wood screws
Wood poles	4	2-1/2 in. or longer No. 14 RH galvanized wood screws
Wood poles (where diameter of pole is 8 inches or less)	2	5/16 x 3 in. coach screws or 2-1/2 in. or longer No. 14 RH galvanized wood screws
Finished masonry, brickwork, concrete, etc	4	5/16 x 2-1/4 in. hammer drive anchors, or approved equivalent
Solid metal — metal fences, columns, etc*	4	5/16 x 1 in. cadium plated, self-tapping screws. Drill mounting holes using 9/32 in. drill
Masonry block corrugated metal, etc.	4	1/4 x 4 in. RH toggle bolts

* Iron straps, bolts, etc may be used where local instructions permit. Attach telephone set securely.

3.07 Install the single line service (D-180849 Kit of Parts, Fig. 16) as follows.

- (1) A rigid conduit shall be placed between the housing and the weatherproof box that houses the protector and modular jack.
- (2) A D4BU modular mounting cord shall be plugged into jack in waterproof box, fished through conduit and plugged into jack on the telephone base assembly (Fig. 21).

3.08 Install the two-line service (D-180850 Kit of Parts, Fig. 17) as follows.

- (1) A rigid conduit shall be placed between the housing and the weatherproof box that houses the protector and modular jack.
- (2) Mount the switch bracket to the mounting plate of the telephone set base directly below the dial bracket using two screws provided.
- (3) Replace 623P4 jack in telephone set with 623P6 jack.
- (4) A D6AP modular mounting cord shall be plugged into jack in waterproof box, fished through conduit and plugged into jack on the telephone base assembly.
- (5) Refer to Fig. 26 and Table J for connection information.
- (6) Install a faceplate with the hole provided for the two-line switch (refer to Table A for proper faceplate code).

3.09 Make the necessary circuit tests and adjust the ringer volume while the inner door is open and the cover assembly (Fig. 10) is removed on the 525-type telephone set or before the faceplate is installed on the 526-type telephone set.

3.10 Should the retractable handset cord used with 526-type telephone sets extend beyond the bottom of the housing and be susceptible to damage, use the slot in the faceplate to restrict the useable cord length.



Exercise caution so that any excess cord stored behind the faceplate will

not interfere with the operation of the telephone set.

3.11 The faceplate of 526-type telephone set is fastened to the housing with four captive screws.

3.12 When the self-locking feature of the outer door of the 525-type telephone set is not desired, remove the KS-8028 lock by removing the two 8/32- by 7/16-inch round head machine screws and lock washer. Be guided by local instructions in disposing of lock and covering opening where lock was removed.

3.13 Install the mechanical door lock (D-180382 Kit of Parts, Fig. 11) in the 526-type telephone set as follows.

- (1) Remove magnetic catch and replace with strike plate from kit of parts. Reuse screws from magnetic catch to secure strike plate. A KS-19192L2 tool is required for these screws.
- (2) Remove strike plate and plug assembly from door.
- (3) Position lock and bracket assembly in door and secure with same screws that held the strike plate.
- (4) The door lock is designed to be self-locking and should be tested for proper operation. The customer should be informed of this feature.

3.14 Install the exclusion feature (D-180383 Kit of Parts, Fig. 12) in the 526B or BM telephone set as follows.

- (1) Remove switchhook assembly from telephone set base and replace with switchhook and plunger assembly from kit of parts. Mount the exclusion switch and switchhook and plunger assembly to the telephone set base making sure the line switch and arm assembly is against the stop (Fig. 13). Position the exclusion switch to its forward limit before tightening mounting screw so switch contact springs can be fully actuated.
- (2) Test exclusion switch for proper mechanical operation by pulling out on the line switch plunger.

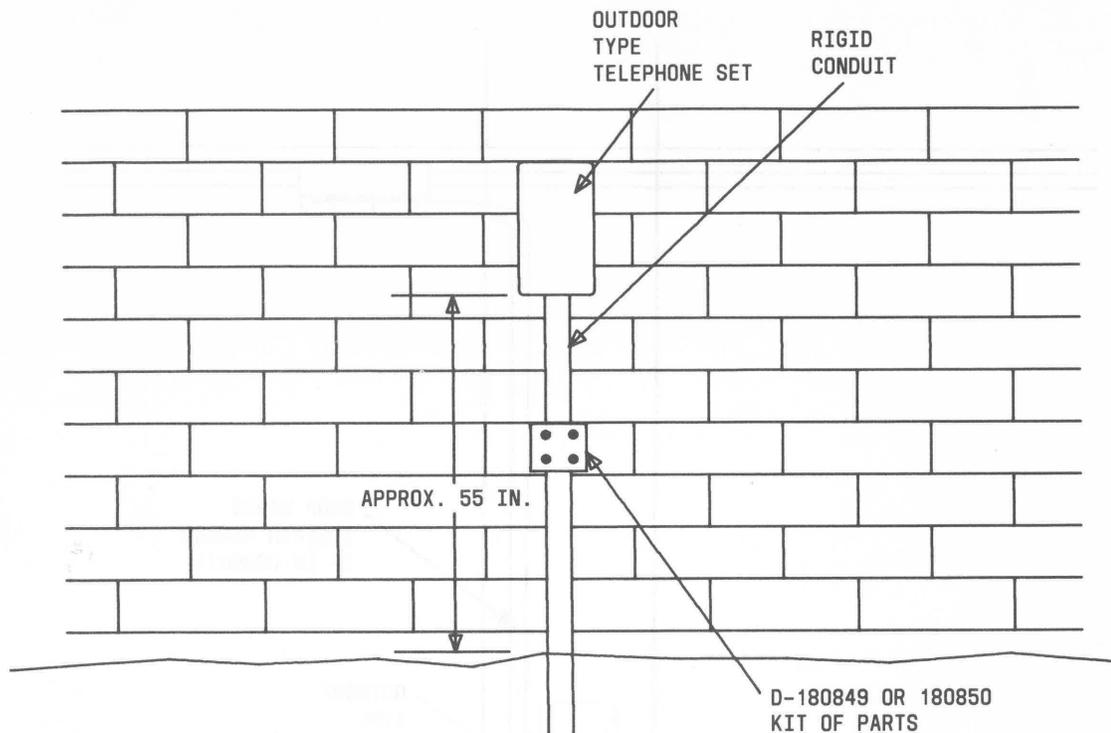


Fig. 8—Outdoor Type Telephone Set, Wall Mounted Using a D-180849 or D-180850 Kit of Parts

- (3) Refer to Fig. 24 for 526B connection information.
 - (4) Refer to Fig. 24 and Table H for 526BM connection information.
 - (5) Refer to Fig. 25 and Table I for two line pickup and exclusion for 526BM connection information.
 - (6) Install proper faceplate (refer to Table A).
- 3.15** Install the circuit lock (D-180385 Kit of Parts, Fig. 14) in the 526B or BM telephone set as follows.
- (1) Remove switchhook and plunger assembly.
 - (2) Mount bracket for circuit lock to outside of right switchhook mounting bracket.
 - (3) Refer to Fig. 23 for connection information.
 - (4) Reinstall switchhook on mounting bracket.
 - (5) Install faceplate with hole provided for circuit lock (refer to Table A for proper faceplate code).
- 3.16** Install the microswitch (D-180386 Kit of Parts, Fig. 15) in the 526A or AM telephone set as follows.
- (1) Remove switchhook and plunger assembly.
 - (2) Mount bracket for microswitch to outside of right switchhook mounting bracket.
 - (3) Reinstall switchhook on mounting bracket.
 - (4) The microswitch is intended for use with manual type telephone sets (see Table A for faceplate code).
 - (5) Refer to Table D for telephone set modifications for use with TD2 radio.
- 3.17** The 526-type telephone set can be wired for 1A1 and 1A2 key telephone systems. Refer to Fig. 22 and Table G.

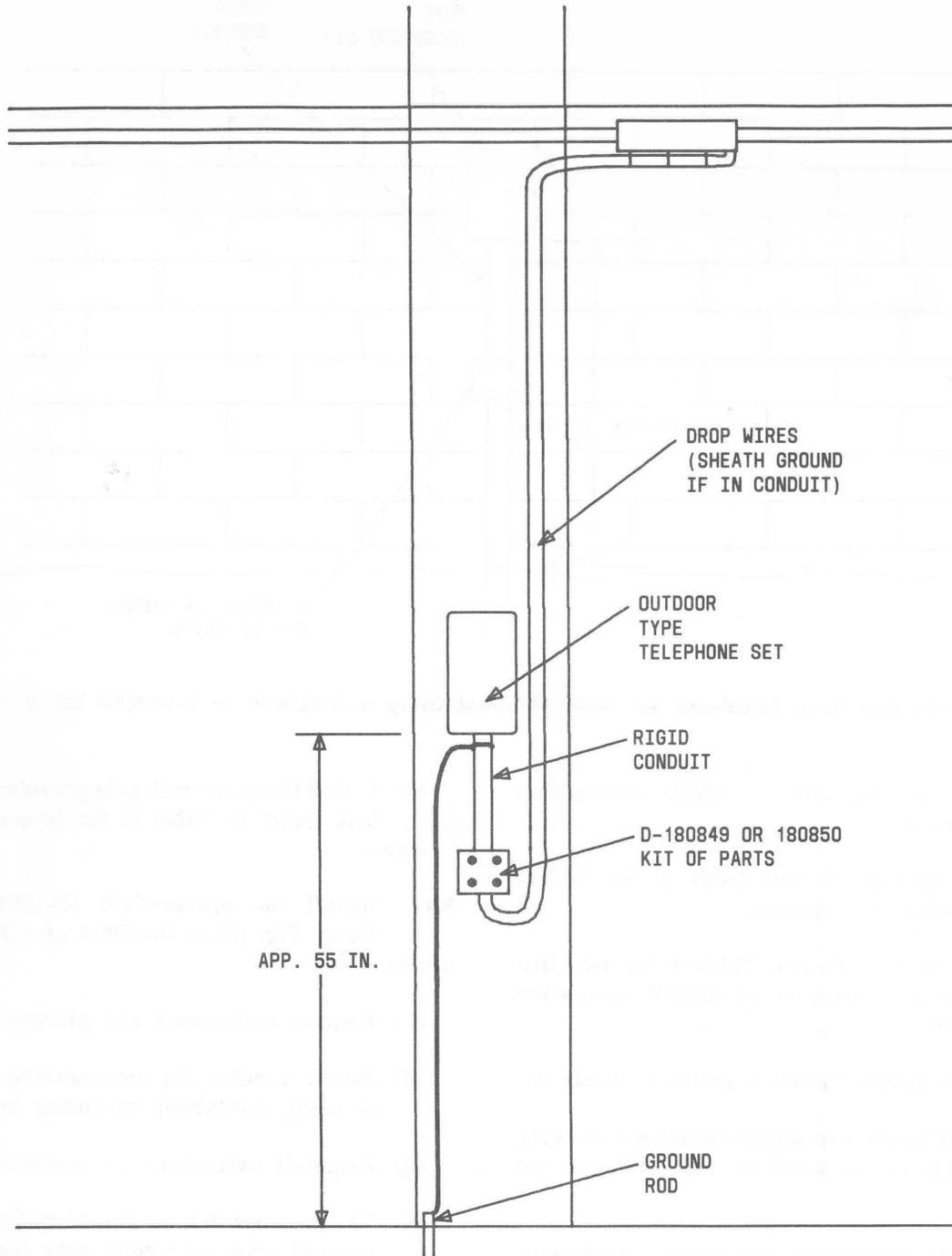


Fig. 9—Outdoor Type Telephone Set, Pole Mounted Using a D-180849 or D-180850 Kit of Parts

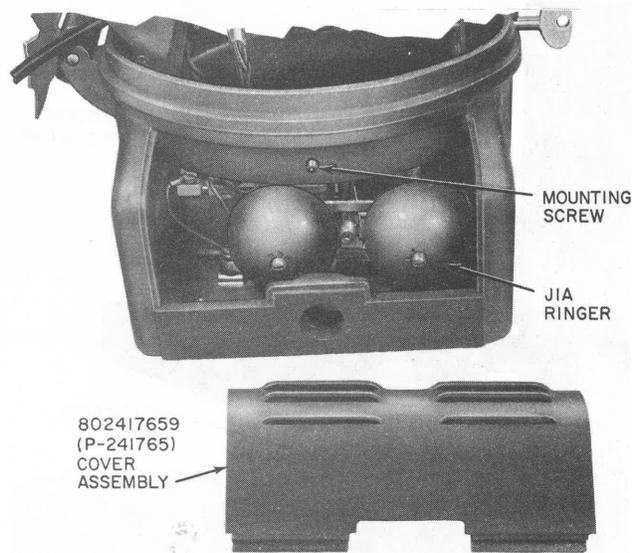


Fig. 10—525-Type (MD) Telephone Set, Cover Assembly Removed

4. MAINTENANCE

4.01 Repair of the 525- and 526-type telephone sets consist of replacing defective components and checking for loose or broken connections. Refer to Ordering Guide for replaceable components.

4.02 The inner door has to be opened to perform any circuit testing or maintenance work on the 525-type telephone sets.

4.03 Remove the faceplate to perform any circuit testing, ringer adjusting, or maintenance work on 526-type telephone sets.

4.04 Plastic duct seal should be installed in the conduit entrance hole inside the set to prevent insects, etc., and moisture from entering the apparatus.

4.05 If housing door binds at hinges, lubricate hinges with KS-14681 anti-rust compound. Apply sparingly and wipe off any excess compound.

4.06 To gain access to the ringer on the 525-type telephone set, remove lower cover mounting screw located on bottom of set housing (Fig. 10).

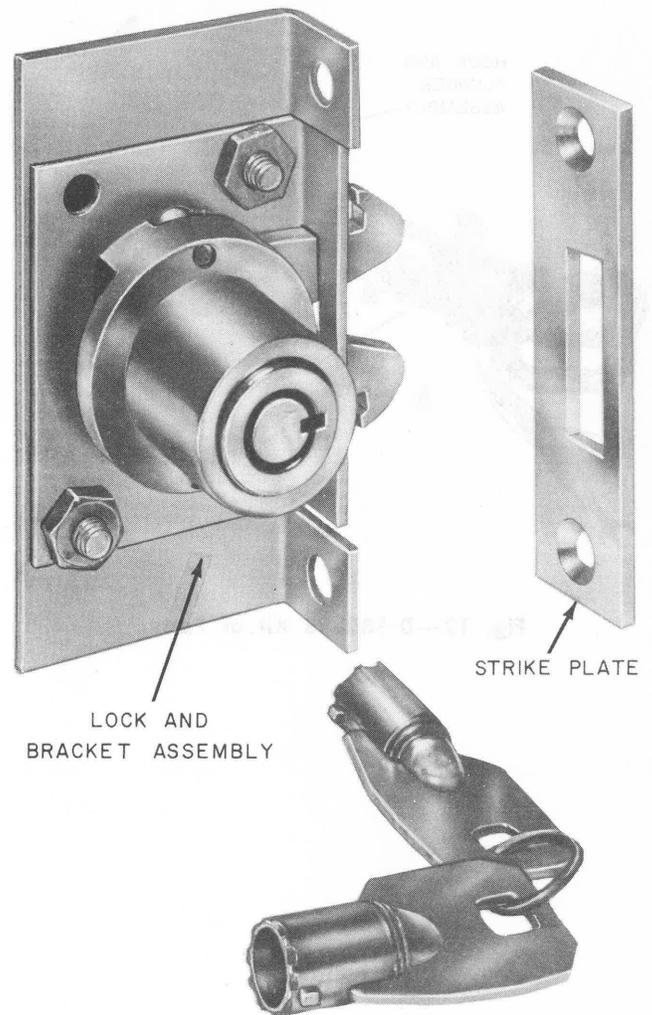


Fig. 11—D-180382 Kit of Parts

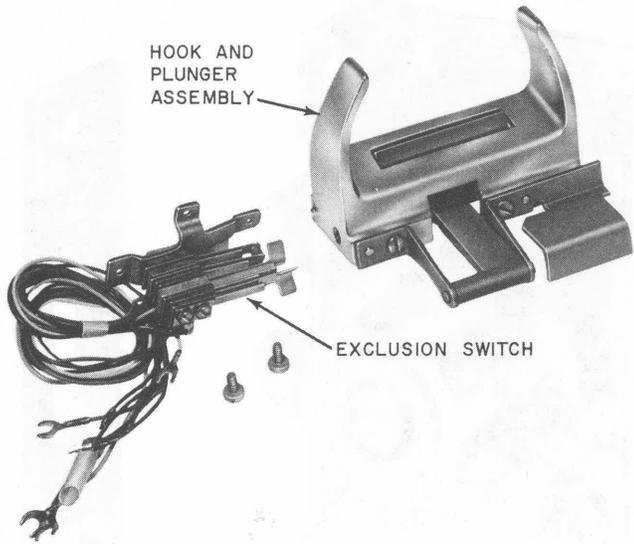


Fig. 12—D-180383 Kit of Parts

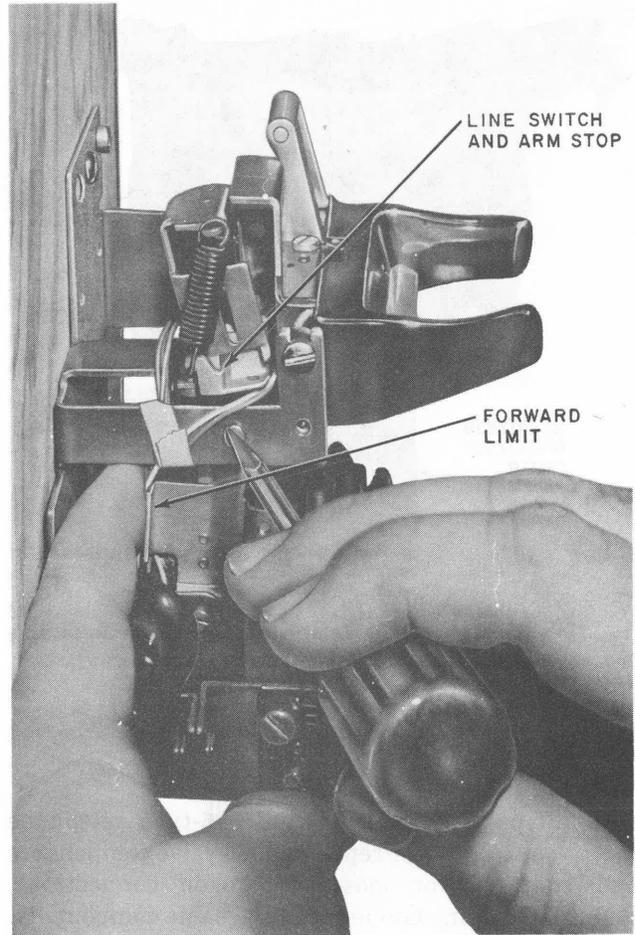


Fig. 13—D-180383 Kit of Parts, Installed on 526-Type Telephone Set Base

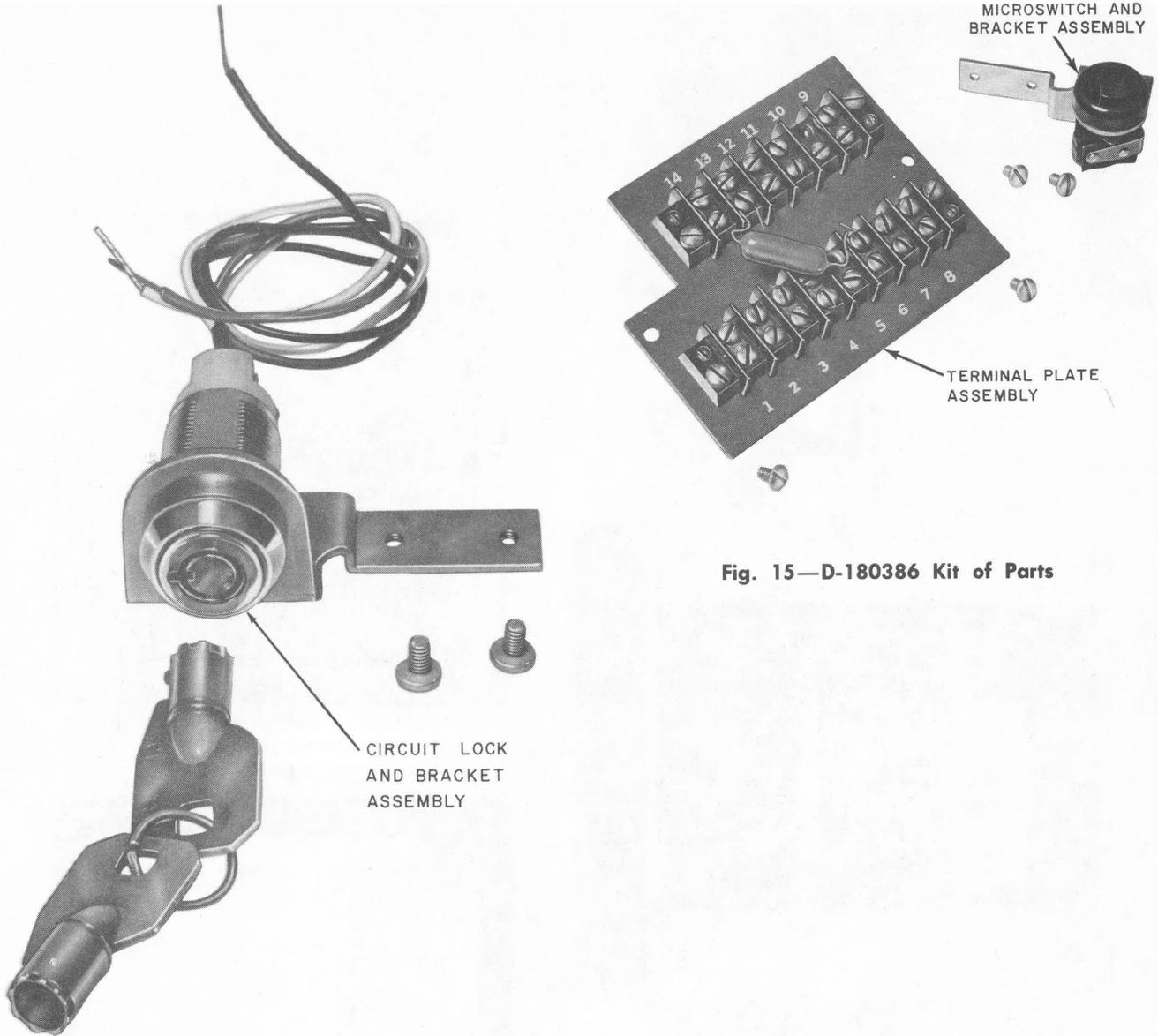


Fig. 14—D-180385 Kit of Parts

Fig. 15—D-180386 Kit of Parts

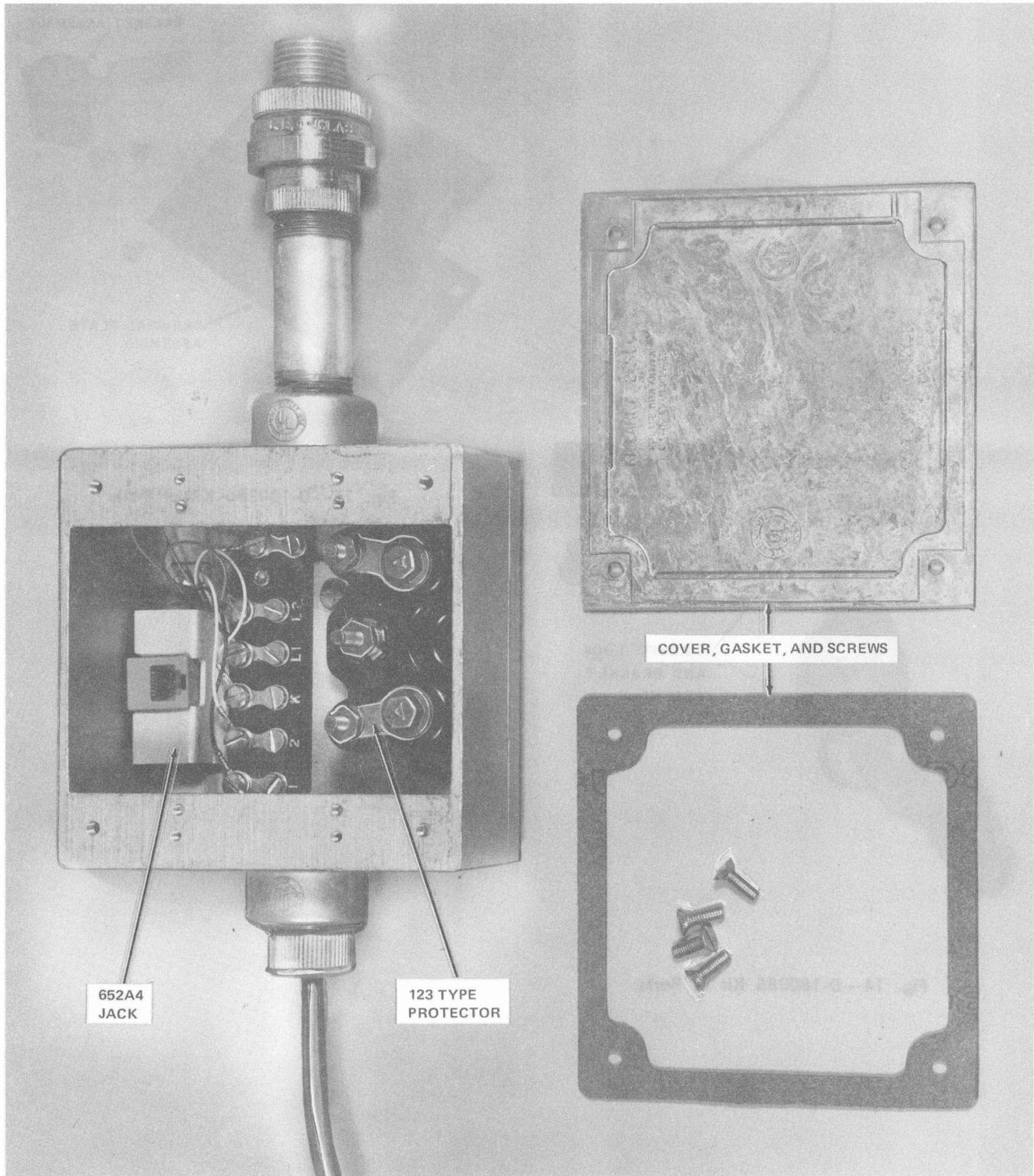


Fig. 16—D-180849 Kit of Parts

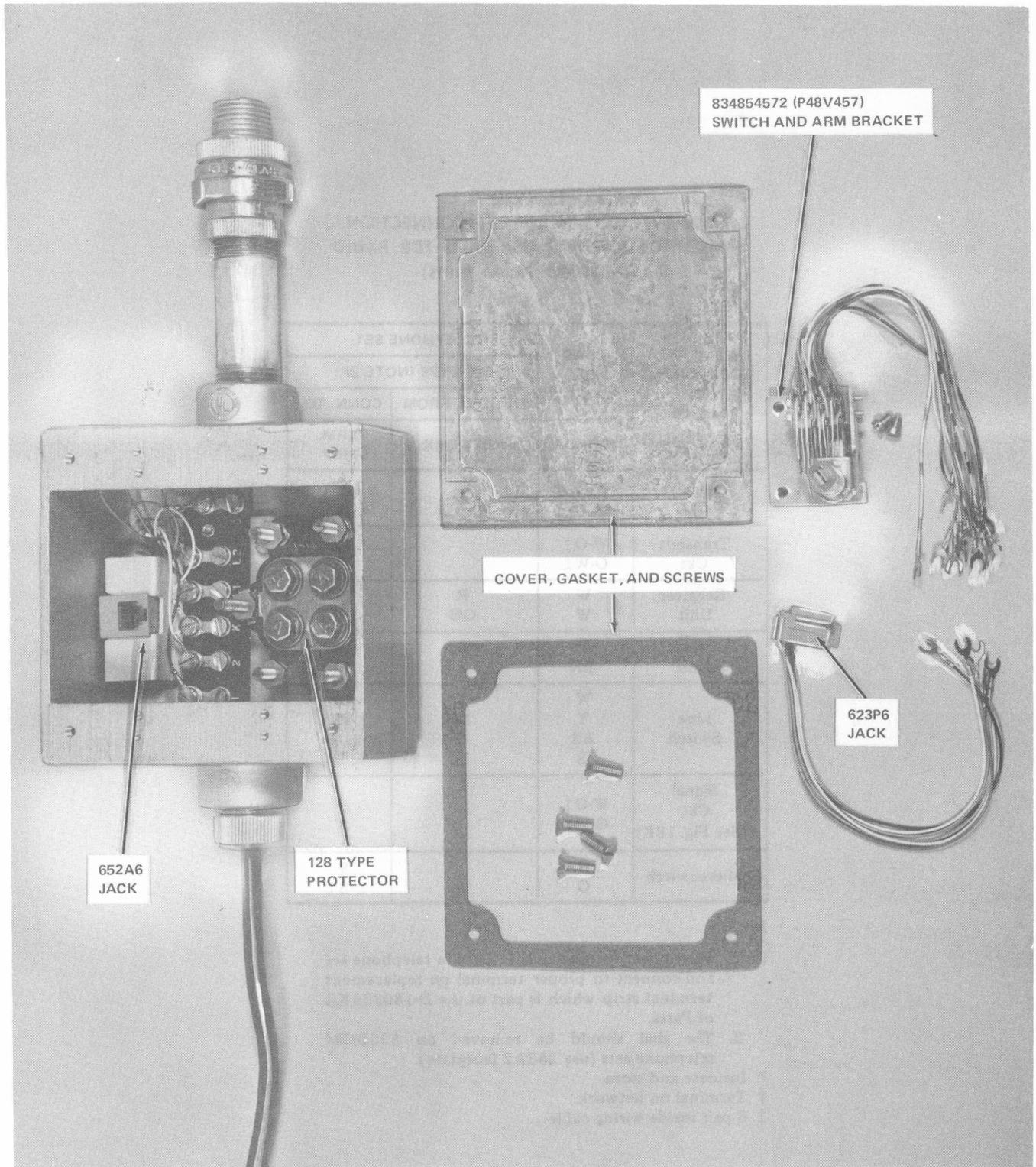


Fig. 17—D-180850 Kit of Parts

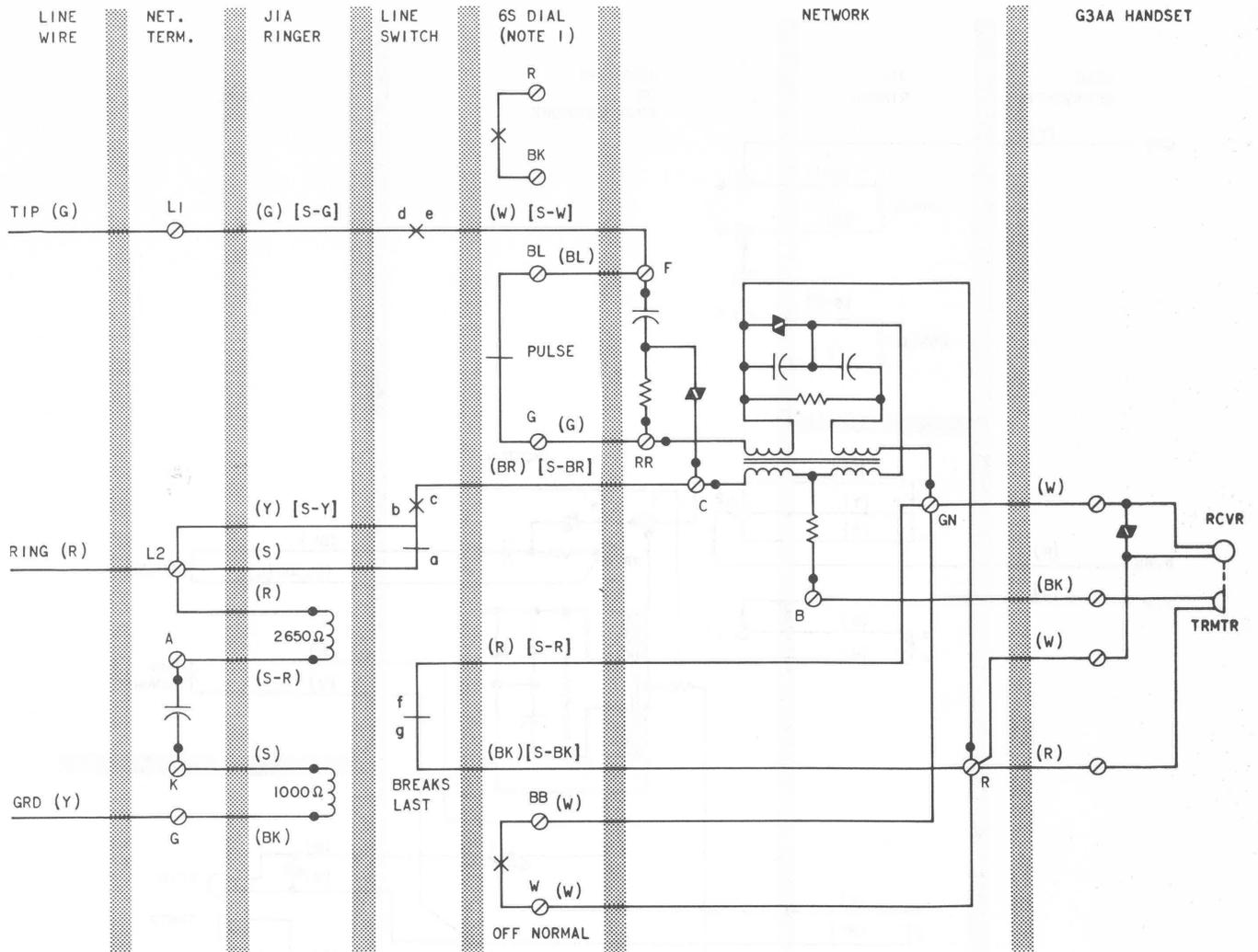
TABLE D
526-TYPE TELEPHONE SET CONNECTION
MODIFICATION FOR USE WITH TD2 RADIO
(D-180386 Kit of Parts)

COMPONENT OR LEAD	LEAD OR WIRE	TELEPHONE SET	
		526-TYPE (NOTE 2)	
	COLOR	REMOVE FROM NETWORK	CONN. TO TERM. STRIP
Receive Ckt	W-BL‡ BL-W‡		L1† 11
Transmit Ckt	W-O‡ O-W‡		12 6
Receiver Unit	W W	R GN	11 10
Trmtr Unit	R BK	R B	14 13
Line Switch	W Y BR S	F L2 C L2	10 12 14 *
Signal Ckt (See Fig. 18E)	W-G‡ G-W‡		9 8
Microswitch	R G		9 8

Note:

1. Disconnect from terminal board in telephone set and connect to proper terminal on replacement terminal strip which is part of the D-180386 Kit of Parts.
2. The dial should be removed on 526B/BM telephone sets (use 253A2 faceplate).

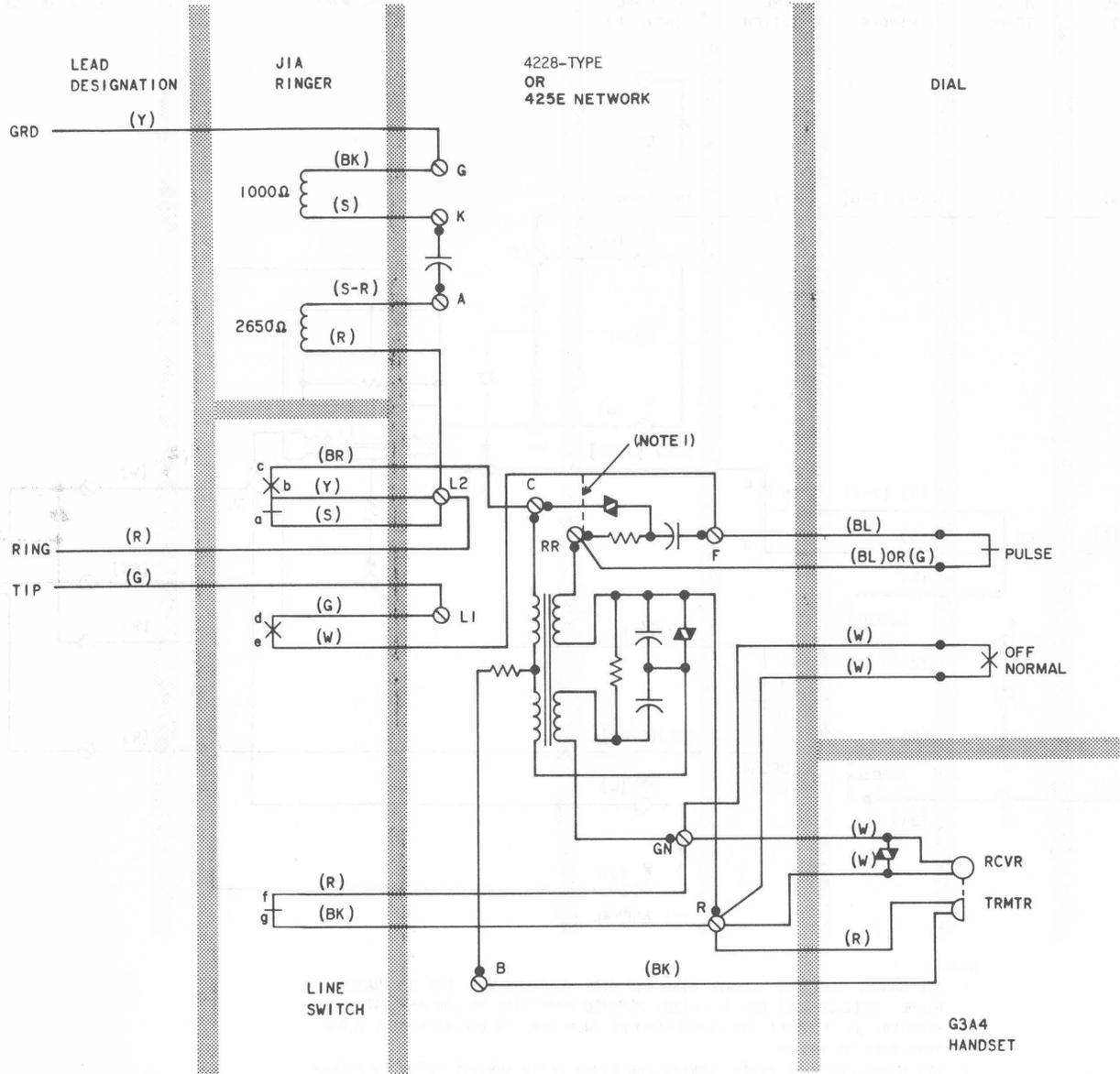
* Insulate and store.
† Terminal on network.
‡ 6 pair inside wiring cable.



NOTES:

1. FOR MANUAL SERVICE, REPLACE DIAL AND DIAL ADAPTERS WITH 80B APPARATUS BLANK. CONNECT (BL) AND (G) LEADS REMOVED FROM DIAL TO 80B APPARATUS BLANK TERMINAL BB. CONNECT (w) LEADS REMOVED FROM DIAL TO 80B APPARATUS BLANK TERMINALS SR AND BK.
2. SET WIRED FOR RING PARTY SERVICE FOR OTHER PARTY SERVICE REFER TO RINGER CONNECTION TABLE E.
 () CURRENT COLOR CODE
 [] MD COLOR CODE

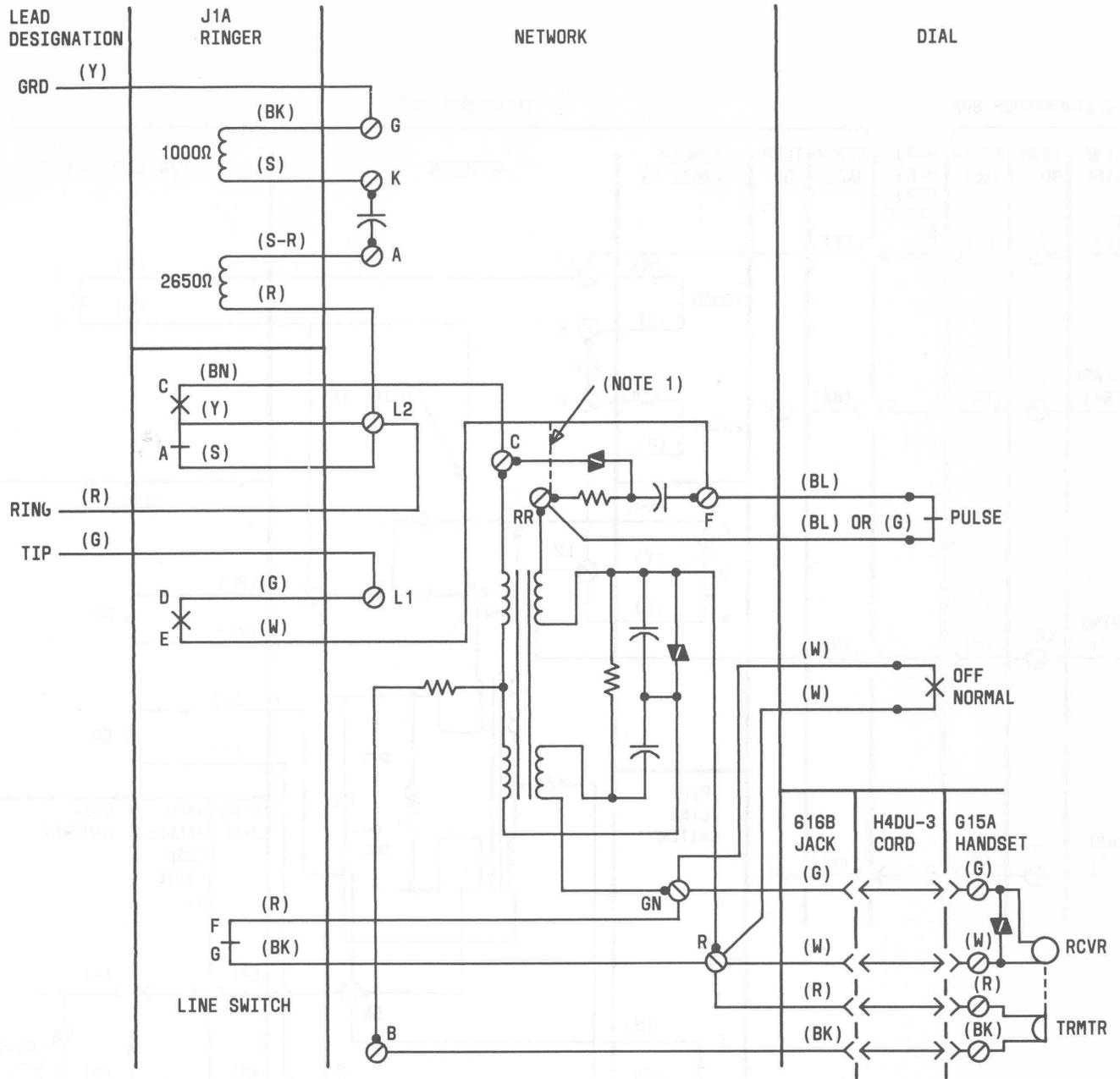
Fig. 18—525A (MD) and 525B (MD) Telephone Set, Connections



NOTES:

1. DASH LINE INDICATES CONNECTION FOR (W) LINE SWITCH LEAD ON MANUAL 526A, OR 526B TELEPHONE SET WHEN DIAL IS DISCONNECTED.
2. SET WIRED FOR RING PARTY SERVICE FOR OTHER PARTY SERVICE REFER TO RINGER CONNECTION TABLE F.

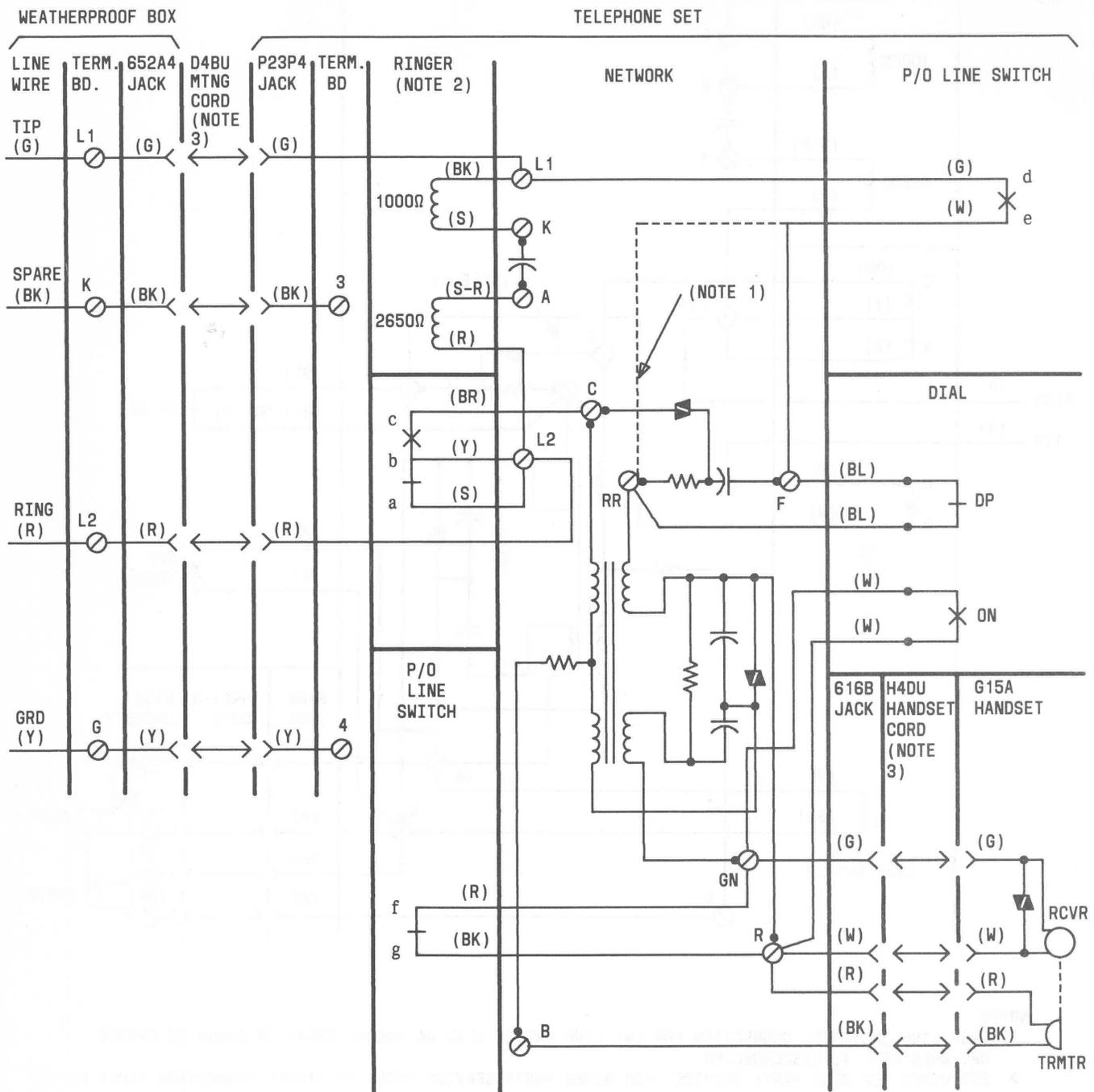
Fig. 19—526A (MD) and 526B (MD) Telephone Set, Connections



NOTES:

1. DASH LINE INDICATES CONNECTION FOR (W) LINE SWITCH LEAD ON MANUAL 526AM OR 526BM TELEPHONE SET WHEN DIAL IS DISCONNECTED
2. SET WIRED FOR RING PARTY SERVICE. FOR OTHER PARTY SERVICE REFER TO RINGER CONNECTION TABLE F.

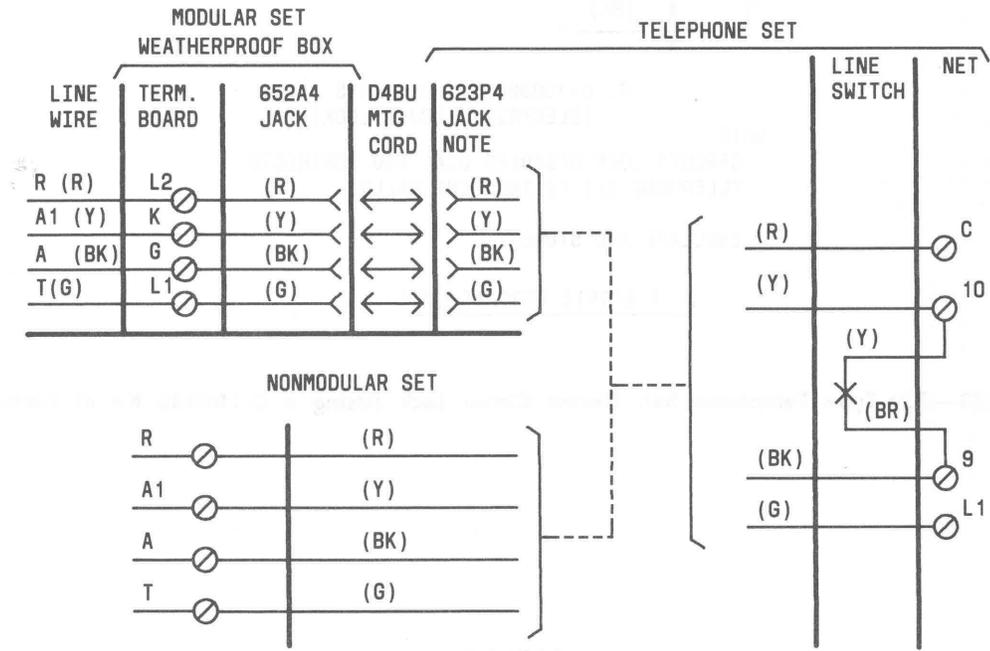
Fig. 20—526AM and 526BM Telephone Set, Connections (Early Version)



NOTES:

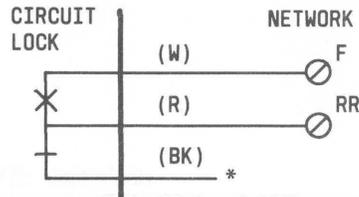
1. DASH LINE INDICATES CONNECTION FOR (W) LINE SWITCH LEAD ON MANUAL 526AM TELEPHONE SET WHEN DIAL IS REPLACED BY APARATUS BLANK.
2. SET WIRED FOR BRIDGED RINGING FOR OTHER CONNECTIONS AND TO SILENCE RINGER REFER TO TABLE F.
3. MUST BE ORDERED SEPARATELY.

Fig. 21—526AM and 526BM Telephone Set, Connections (Current Version Using a D-180849 Kit of Parts)



A. ASSOCIATED WITH 1A1 OR 1A2 KEY SYSTEM

Fig. 22—526-Type Telephone Set, Wired for 1A1 or 1A2 Key System
(Using a D-180849 Kit of Parts)



D. D-180385 KIT OF PARTS
(ELECTRIC CIRCUIT LOCK)

NOTE:

CIRCUIT LOCK DISABLES DIAL AND RESTRICTS TELEPHONE SET TO INCOMING CALLS.

* INSULATE AND STORE

B. ELECTRIC CIRCUIT LOCK

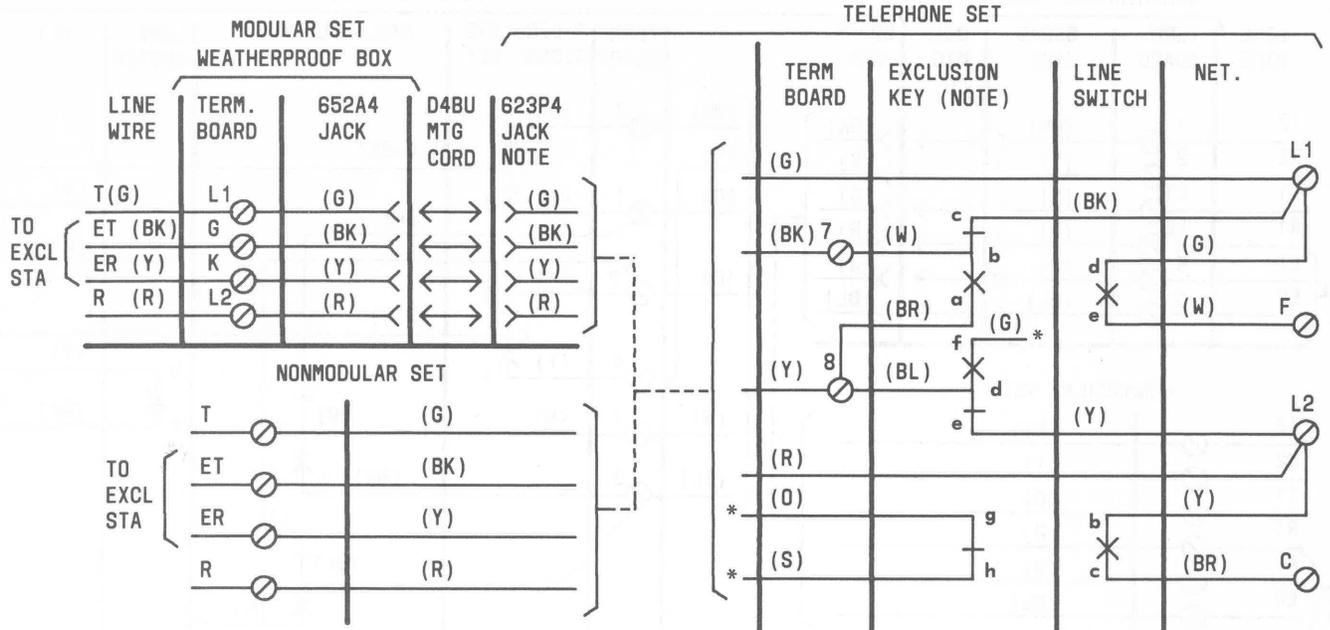
Fig. 23—526-Type Telephone Set, Electric Circuit Lock (Using a D-180385 Kit of Parts)

TABLE E

525-TYPE TELEPHONE SET, LINE AND RINGER CONNECTIONS (NOTE)

WIRE OR LEAD		INDIV OR BRIDGED	TIP PARTY NO IDENT. GROUND	TIP PARTY IDENT. GROUND		
				1000Ω	2650Ω	
Ringer Leads	R	L2	L2	K	B	
	BK	L1	G	G	B	
	S	K	K	B	K	
	S-R	A	A	B	C	
Line Switch		S	L2	L2	A	A
Line Wire at Net.	Tip	G	L1	L2	L2	L2
	Ring	R	L2	L1	L1	L1
	Grd	Y	G	G	G	G

Note: To silence ringer, adjust the four-step volume control to cutoff by bending the stop tab and moving the volume control wheel to a fifth position (Section 501-256-100).



NOTE: D-180383 KIT OF PARTS

* - INSULATE AND STORE

A. EXCLUSION FEATURE

Fig. 24—526-Type Telephone Set, Wired for Exclusion (Using a D-180383 and a D-180849 Kit of Parts)

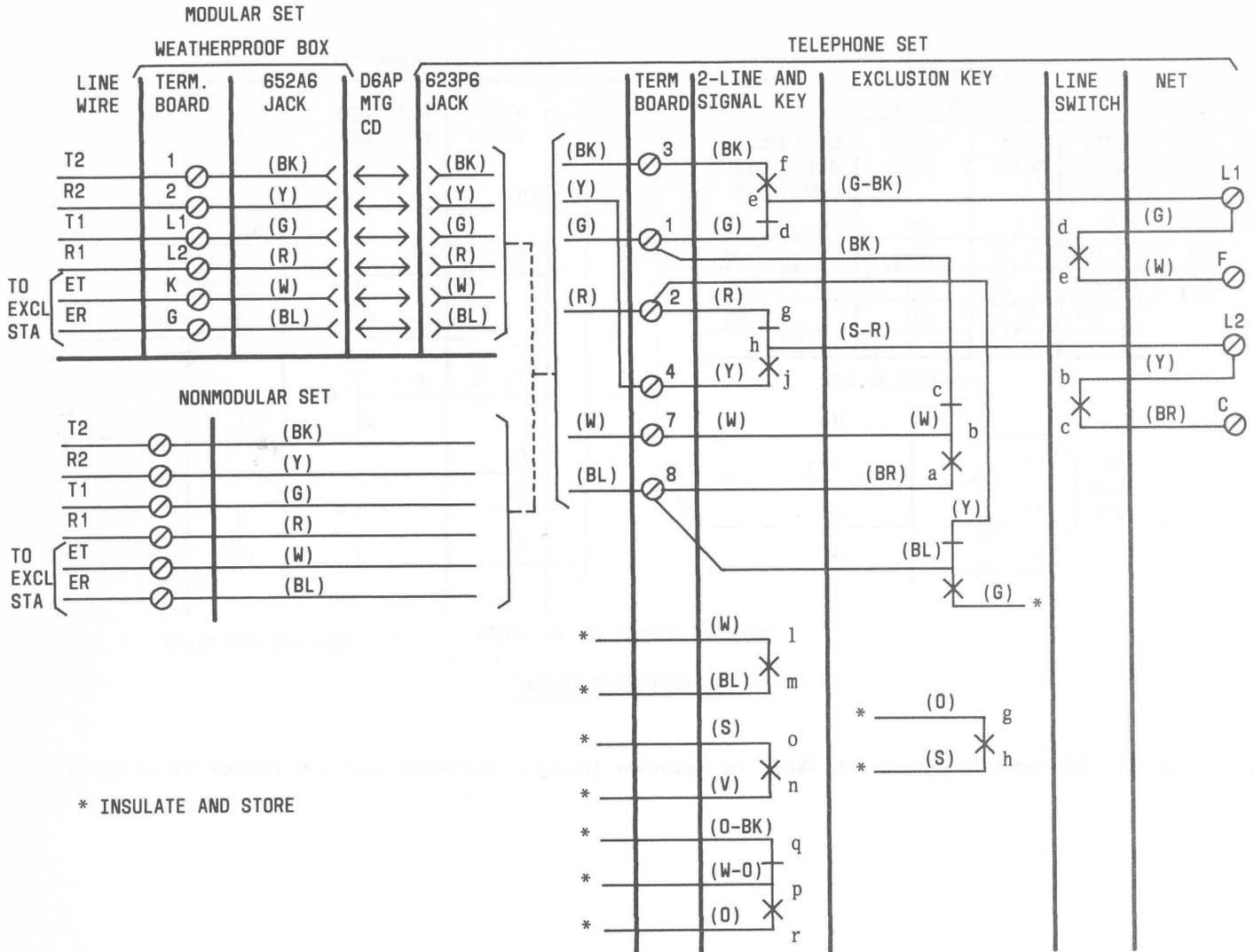
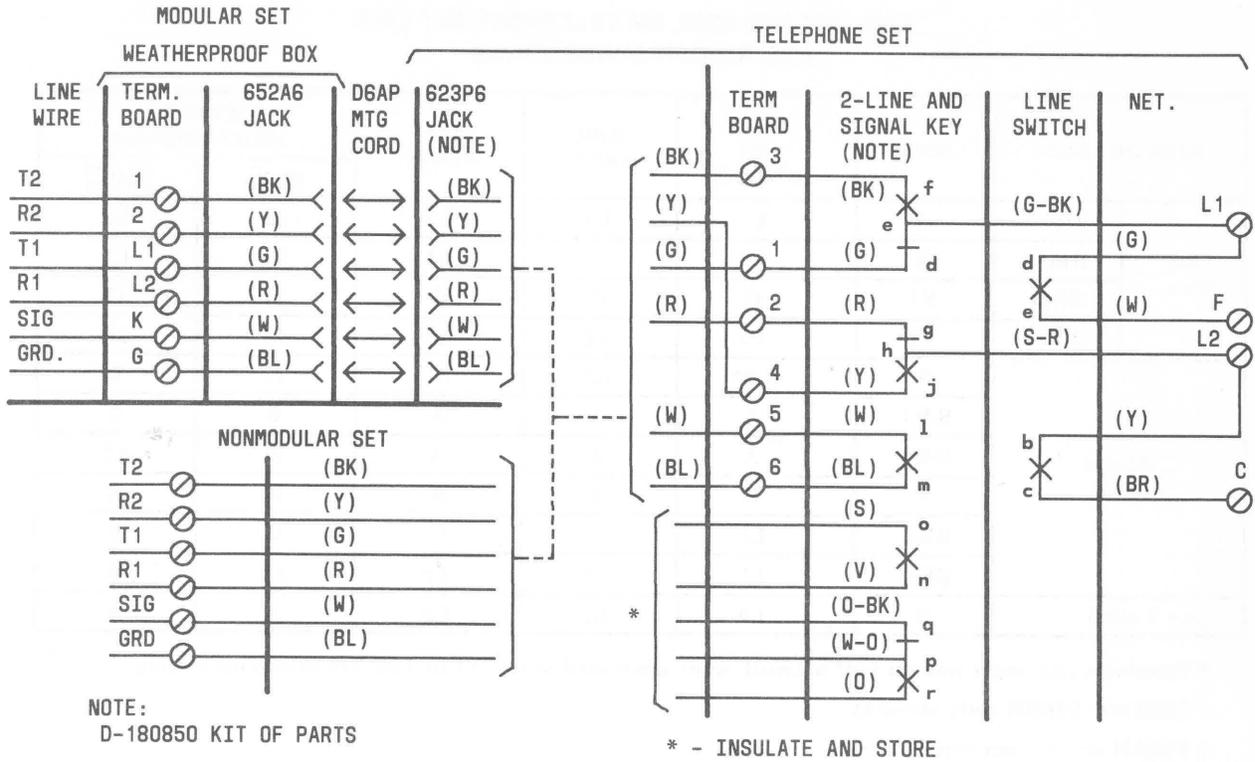


Fig. 25—526-Type Telephone Set, Two-Line Pickup and Exclusion (Using a D-180383 and a D-180850 Kit of Parts)



B. 2-LINE PICKUP AND SIGNAL KEY

Fig. 26—526-Type Telephone Set, Two-Line Pickup and Signal Key (Using a D-180850 Kit of Parts)

TABLE F

**526A, AM AND 526B, BM TELEPHONE SET LINE
AND RINGER CONNECTIONS**

WIRE OR LEAD		COLOR	INDIV. OR BRIDGED	RING PARTY	TIP PARTY	TIP PARTY IDENT. GROUND	
						1000 Ω	2650 Ω
Line Wire	Tip	G	L1	L1	L2	L2	L2
	Ring	R	L2	L2	L1	L1	L1
	GRD	Y†	G	G	G	G	G
	GRD	Y‡	4§	4§	4§	4§	4§
Ringer Leads		R	L2*	L2	L1	K	B
		S-R†	A	A	A	B	G
		S-R‡	A	A	A	B	4§
		S	K	K	K	B	K
		BK†	L1	G	G	G	B
		BK‡	L1	4§	4§	4§	B
Line Switch		S	L2	L2	L2	A	A

* Terminate (R) ringer lead on C of network when associated with 1A1 or 1A2 key telephone system.

† 526B set (526BM early version).

‡ 526BM set (current version).

§ Terminal board.

Note: To silence ringer, adjust the four-step volume control to cutoff by bending the stop tab and moving the volume control wheel to a fifth position (Section 501-256-100).

TABLE G

**CONNECTIONS FOR 526AM AND 526BM TELEPHONE SET FOR
1A1 OR 1A2 KEY SYSTEM**

LINE WIRE	WEATHERPROOF BOX		TELEPHONE SET			
	TERM. BOARD	652A4 JACK	623P4 JACK	LINE SWITCH	TERM. BOARD	NET.
T	L1	G	G			L1
R	L2	R	R			C
A1	K	Y	Y		10	
A	G	BK	BK		9	
				Y	10	
				BR	9	

TABLE H

SINGLE LINE PICKUP AND EXCLUSION FOR 526AM AND 526BM TELEPHONE SET
(D-180385 AND D-180849 KIT OF PARTS)

LINE WIRE	WEATHERPROOF BOX		TELEPHONE SET				
	TERM. BOARD	652A4 JACK	623P4 JACK	EXCLUSION KEY	LINE SWITCH	TERM. BOARD	NET.
T	L1	G	G				L1
R	L2	R	R				L2
ET	G	BK	BK			7	
ER	K	Y	Y			8	
				BK			L1
				Y			L2
				W		7	
				BR and BL		8	
					G		L1
					W		F
					Y		L2
					BR		C

TABLE I

TWO-LINE PICKUP AND EXCLUSION FOR 526AM AND 526BM TELEPHONE SET (D-180383 AND D-180850 KIT OF PARTS)

LINE WIRE	WEATHERPROOF BOX		TELEPHONE SET				
	TERM. BOARD	652A6 JACK	623P6 JACK	TWO-LINE PICKUP	EXCLUSION KEY	TERM. BOARD	NET.
T2	1	BK	BK			3	
R2	2	Y	Y			4	
T1	L1	G	G			1	
R1	L2	R	R			2	
ET	K	W	W			7	
ER	G	BL	BL			8	
				G-BK			L1
				BK		3	
				S-R			L2
				G		1	
				R		2	
				Y		4	
					BK	1	
					W	7	
					BR	8	
					BL	8	
					Y	2	

TABLE J

TWO-LINE PICKUP AND SIGNALING FOR 526AM AND 526BM TELEPHONE SET (D-180850 KIT OF PARTS)

LINE WIRE	WEATHERPROOF BOX		TELEPHONE SET			
	TERM. BOARD	652A6 JACK	623P6 JACK	TWO-LINE PICKUP AND SIGNAL KEY	TERM. BOARD	NET.
T2	1	BK	BK		3	
R2	2	Y	Y		4	
T1	L1	G	G		1	
R1	L2	R	R		2	
GRD	G	BL	BL		6	
SIG	K	W	W		5	
				BK	3	
				G-BK		L1
				G	1	
				S-R		L2
				R	2	
				Y	4	
				W	5	
				BL	6	

TABLE 1. SUMMARY OF DATA FOR THE STUDY

Year	1990-1995		1996-2000		Total
	Mean	SD	Mean	SD	
1990	1.2	0.5	1.5	0.6	1.35
1991	1.1	0.4	1.4	0.5	1.25
1992	1.3	0.6	1.6	0.7	1.45
1993	1.0	0.3	1.3	0.4	1.15
1994	1.4	0.7	1.7	0.8	1.55
1995	1.2	0.5	1.5	0.6	1.35
1996	1.5	0.8	1.8	0.9	1.65
1997	1.3	0.6	1.6	0.7	1.45
1998	1.1	0.4	1.4	0.5	1.25
1999	1.4	0.7	1.7	0.8	1.55
2000	1.2	0.5	1.5	0.6	1.35
Total	1.25	0.55	1.55	0.65	1.4