

## KS-19442 TELEPHONE BOOTH MAINTENANCE

### 1. GENERAL

1.01 This section is reissued to:

- Revise text and illustrations to agree with latest issue of specification KS-19442
- Add assembly and disassembly procedures previously covered in Section 508-231-100
- Break Table A down into smaller tables for clarification

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

1.02 The local telephone company shall establish the appearance standards of all exposed surfaces.

1.03 The local telephone company shall establish the safety standards for all booths.

### 2. INSPECTION

2.01 Ensure that all visible screws are secure. Replace missing screws using the following listing as a guide.

DESCRIPTION	SIZE	WHERE USED
Hex Socket Head Cap Nylok Screw	1/4-20 x 1-7/8	Secures support to booth frame (Fig. 1)
Hex Socket Head Cap Nylok Screw	1/4-20 x 2-1/2	Secures seat to corner support (Fig. 1)
Phillips Flathead Machine Screw	.190-32 x 1	Secures door stop block to header
Phillips Round Head Machine Screw	.138-32 x 3/16	Secures inside retaining strip to header
Phillips Round Head Machine Screw	.164-32 x 1/2	Secures actuator to door and secures door hinge to post
Phillips Round Head Self-tapping Screw, Type B	.164-18 x 5/16	Secures angle (holding telephone sign in place) to roof, secures air intake to header and secures corner retaining strip to frame
Phillips Flathead Self-tapping Screw, Type B	.164-18 x 1/2	Secures kick-plates
Hex Socket Head Cap Nylok Screw	1/4-20 x 3/4	Secures seat block to frame (Fig. 1)
Hex Head Screw	1/4-20 x 1-1/2	Secures seat block to seat assembly (Fig. 1)

## SECTION 508-231-300

**Note 1:** All the listed screws are black except the 1/4-20 by 1-7/8 hex socket head cap nylok screw which is unpainted.

**Note 2:** These screws may be obtained from O.M. Edwards Company, Inc., Syracuse, N. Y.

**Note 3:** If threaded screw holes are stripped, use the next larger size of the same type screw.

**Note 4:** All screws threaded into aluminum parts shall be coated with KS-19094 antiseize compound.

- 2.02** Check electrical grounding as covered in Section 508-100-100.

### 3. SEAT ASSEMBLY

- 3.01** A damaged B-562302 seat cover (Fig. 2) may be replaced without replacing the entire seat.
- 3.02** Remove seat assembly from booth per Fig. 1.
- 3.03** Remove screws, clamps, and cover per Fig. 2.
- 3.04** Install new cover using reverse procedure.
- 3.05** Install seat assembly in booth as follows (Fig. 1):
- (1) Install B-562389 support to wall using three 1/4-20 by 1-7/8 unpainted hex socket head cap nylok screws.
  - (2) Secure seat to B-562301 block using one 1/4-20 by 1-1/2 painted hex head screw and one 1/4-inch painted lockwasher.
  - (3) Slide seat down over support and secure to corner using two 1/4-20 by 2-1/2 painted hex socket head cap nylok screws.
  - (4) Secure B-562301 block to booth using two 1/4-20 by 3/4 painted hex socket head cap nylok screws.

**Note:** Ensure that all interlocking parts are properly engaged and all screws are tight.

### 4. DOME ASSEMBLY



*Use eye protection when removing the dome assembly.*

- 4.01** Remove dome assembly in accordance with Fig. 3.
- 4.02** Clean the dome assembly if required (see 14.02).
- 4.03** Clean the space between the ceiling and roof of all loose dirt and other loose foreign materials.
- 4.04** Replace dome assemblies which do not meet local telephone company standards.

### 5. LIGHT AND BLOWER ASSEMBLY



*Use eye protection when handling fluorescent lamps. Before making any repairs or replacements in electrical equipment, disconnect ac power plug or turn the service switch off and verify that circuit is dead by checking with an approved voltmeter.*

- 5.01** Refer to Section 508-820-100 for wiring and maintenance of the KS-19207 light and blower unit.
- 5.02** Determine that the door operated switch (B-563122 Fig. 4), located in the left-front of the ceiling, properly actuates the blower unit. Access to the switch can be gained by removing the dome assembly.

**Note:** Booths are wired for continuous illumination. If desired, the light may be controlled by the door operated switch.

- 5.03** Determine that the manually operated FAN switch turns the blower on and off when the door is closed. Replace defective switch assemblies (B-563123) as follows:
- (a) Remove the fan switch cover plate using an orange stick.
  - (b) Remove the two 0.138-32 by 3/16 Phillips round head screws which secure the switch bracket to the frame.

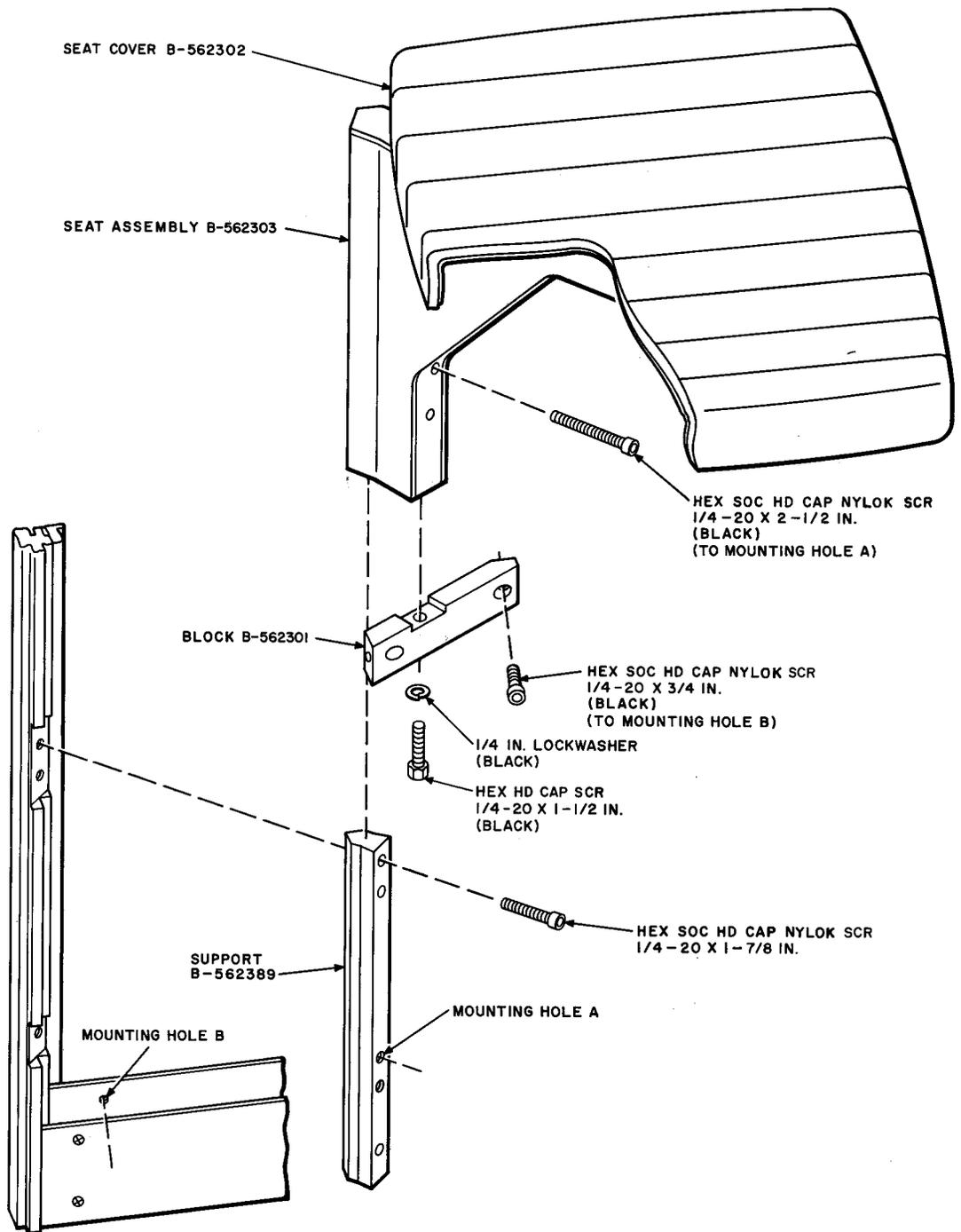


Fig. 1—Installation of Seat Assembly

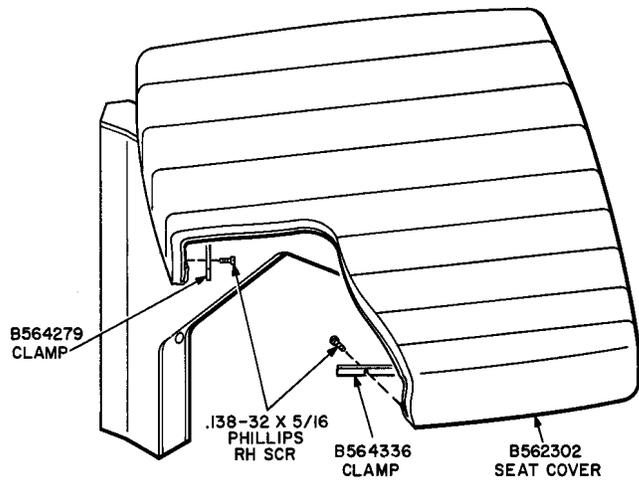
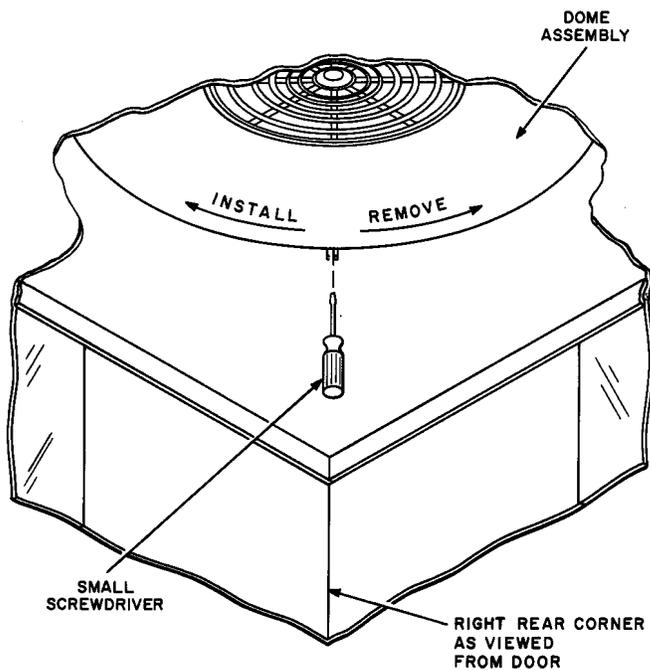


Fig. 2—Seat Assembly



NOTES:

1. FOR REMOVAL, INSERT SMALL SCREWDRIVER THROUGH SLOT IN CEILING, DEPRESS DETENT SPRING, AND TURN DOME ASSEMBLY COUNTERCLOCKWISE.
2. FOR INSTALLATION, PLACE DOME ASSEMBLY IN CEILING AND TURN IT CLOCKWISE UNTIL DETENT SPRING ENGAGES AND LOCKS DOME.

Fig. 3—Method of Removing Dome Assembly

5.04 Ensure that all electrical leads are securely clamped away from the air inlet hole and from the rotating impeller.

6. PHONE SIGN

6.01 Remove four 0.164-18 by 5/16 painted Phillips round head self-tapping screws which secure B-562379 angle to the roof (Fig. 4).

6.02 Remove the phone sign.

6.03 Replace signs which are broken or which will not meet local telephone company standards. See Table A for available signs.

7. ROOF

7.01 If it becomes necessary to remove the roof (Fig. 4):

- Remove the phone sign
- Remove the dome assembly
- Remove three No. 8-32 by 5/8 hex socket head cap screws
- Lift roof off

8. SHELF ASSEMBLY

8.01 Replace broken or damaged shelves as follows (Fig. 5):

- (1) Loosen three B-189998-3 tamperproof screws using KS-19192, List 1 wrench.
- (2) Pull B-562352 and B-562354 supports forward and up and remove the glass shelf.
- (3) Mount B-562356 shelf on the two support assemblies as shown.
- (4) Position B-562352 support down over front of shelf and engage rear slot over the pin of B-650595 support assembly. Slide B-562352 support down and back into position. Tighten the screw.
- (5) Slide B-562354 support down and back into position over rear end of shelf. Tighten the two screws.

(c) Disconnect the two wire leads and replace the switch assembly.

(d) Install the fan switch cover plate.

NOTE:

REMOVE PAPER BACKING FROM PLEXIGLASS BAFFLE.

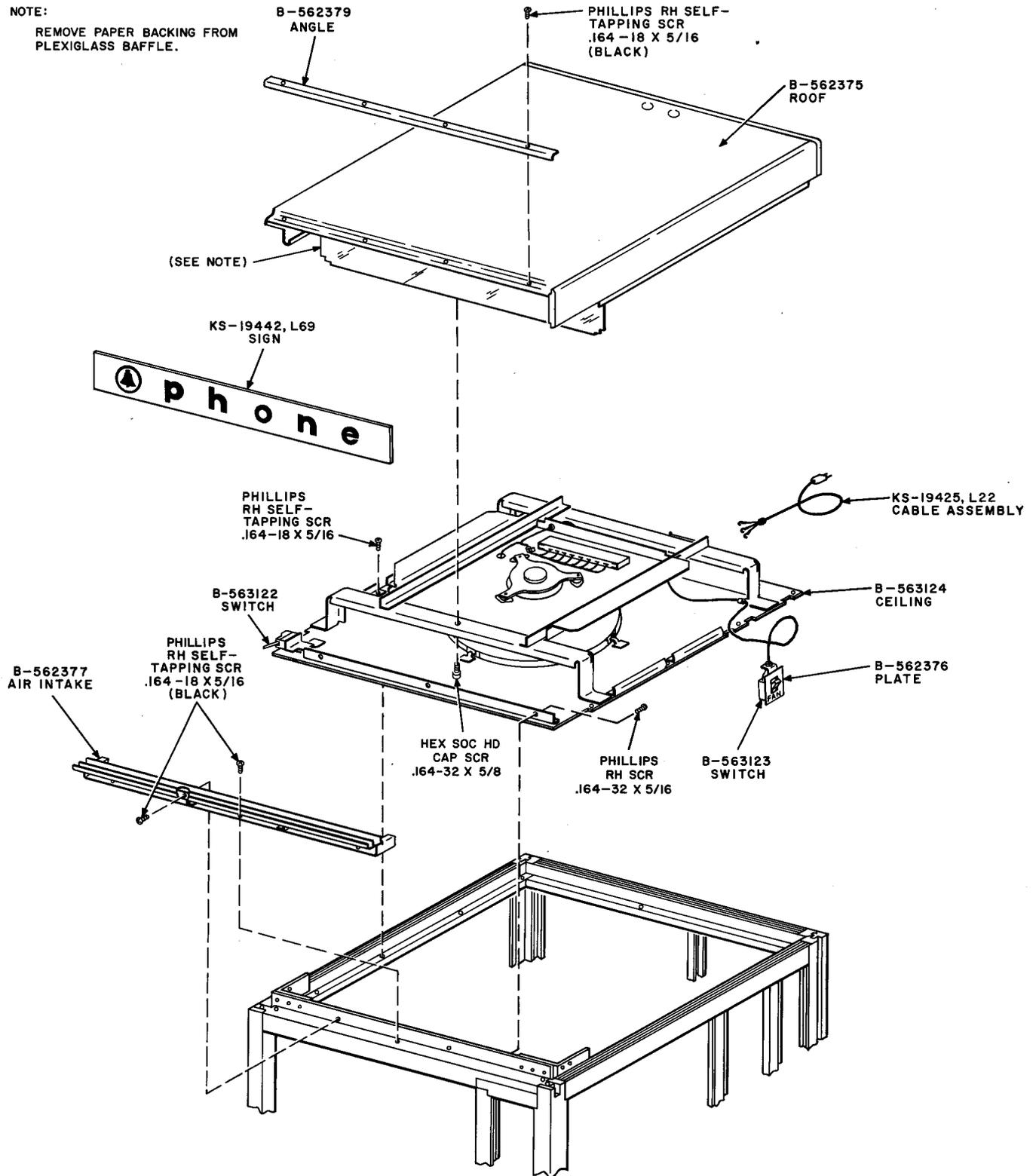
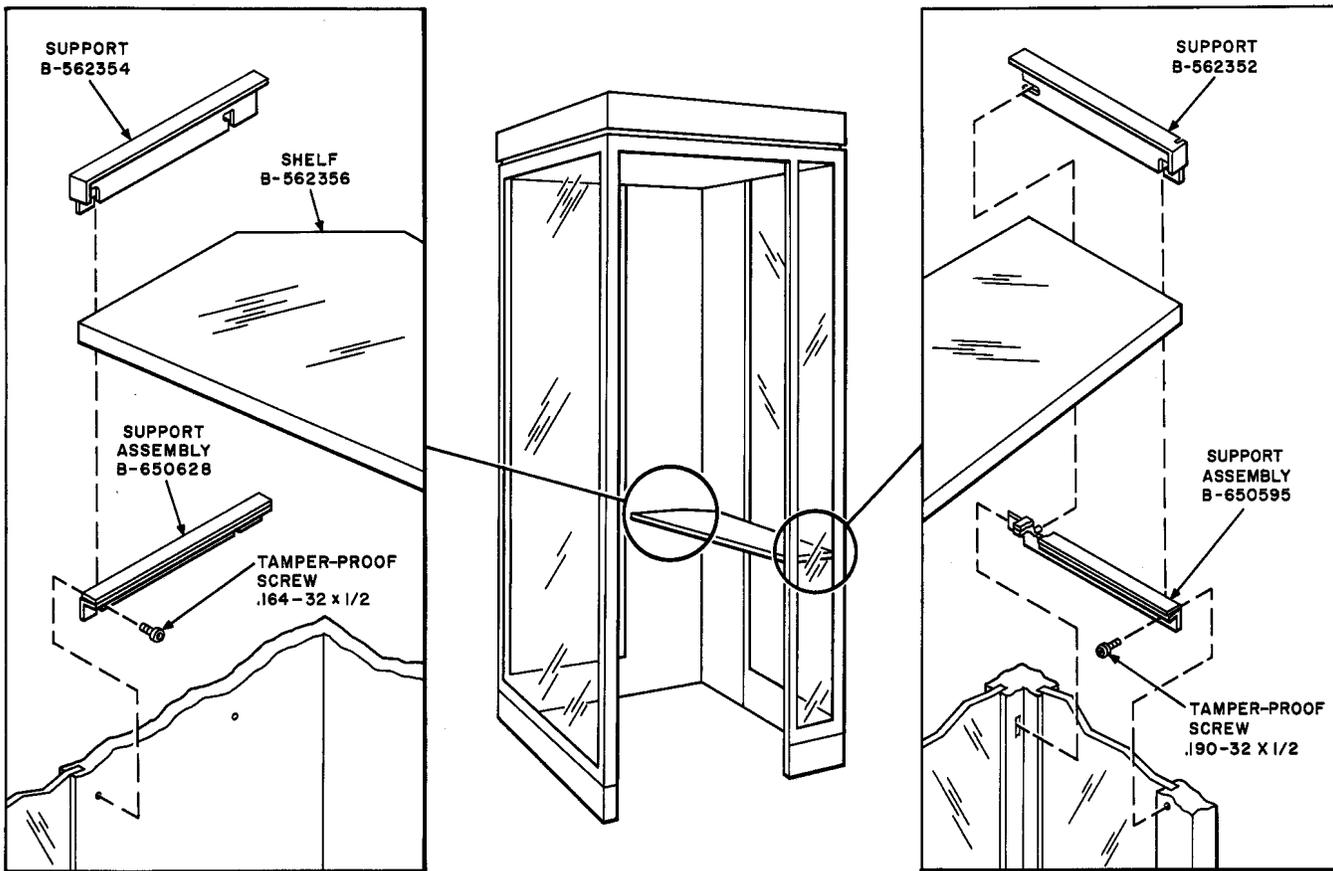


Fig. 4—Installation of Ceiling and Roof Assembly

**TABLE A**  
**SIGNS**

SPEC NO.	LIST NO.	DESCRIPTION	
		LETTERS	BACKGROUND
KS-19442	62	None	White
	65	White	Blue
	68	None	Blue
	69	Blue	White



**Fig. 5—Installation of Shelf Assembly**

## 9. DOOR ASSEMBLY

- 9.01** When pushed closed from inside, the door should remain completely closed.
- 9.02** A slight pull on the handle should open the door and restore it to normal position.

**9.03** Ensure that the nylon roller and door track are clean.

**9.04** The door should operate freely throughout its entire travel without binding, squeaking, or chattering. When the door binds, squeaks, or chatters, check the following items:

- (1) Ensure that booth is level.

(2) Check hinge wear. Clearance between hinge barrels should not exceed 1/16-inch. Replace worn hinges.

(3) Lubricate hinges, roller, and door track with KS-14774, List 2G lubricant. KS-14796 oiler can be used for application.

**9.05** If it becomes necessary to install a new door, perform following procedures (Fig. 6):

(1) Place a strip of 5/8-inch thick wood or equivalent material at the door opening to raise the level of the door so that the screw holes will line up with the corresponding holes in the left front column.

(2) Rest the bottom of the folded door on the wood strip with the handle toward the inside of the booth and the top tilting at a slight angle toward the right door column.

(3) Line up the guide pin with the door track. Install B-562381 roller on the guide pin and straighten up the door.

(4) Secure the door hinge to the left column using eleven 0.164-32 by 1/2 painted Phillips round head screws and eleven No. 8 black lockwashers.

**Note:** It may be necessary to use two awls for aligning the holes.

(5) Install the actuator assembly using two 0.164-32 by 1/2 painted round head screws and two No. 8 black lockwashers and slide it up into the access hole in the left front corner of the ceiling.

(6) Determine that the actuator properly engages the switch spring and secure the actuator to the door.

(7) Install B-650429 spring stop assembly on the header using one 0.190-32 by 1 painted Philips flathead screw.

## 10. GLASS PANELS



*Wear gloves and eye protection when handling glass panels to prevent personal injury.*

*Use care when handling tempered glass. Nicks or scratches will damage the glass and may cause it to shatter.*

*Do not allow metal tools to come in contact with edge of tempered glass.*

**10.01** Glass panels which do not meet local telephone company standards shall be replaced as follows:

**Note 1:** Glass lifters capable of lifting 50 pounds or more shall be used when handling glass panels.

**Note 2:** Install panels with the manufacturer's trade name toward the bottom and the lip of the glazing strips toward the outside of the booth. The outside trim strips fit under the lip of the glazing strips.

**Note 3:** Install top strips first, side strips next, and bottom strips last.

(a) Refer to Fig. 7 for installing door panels. Side and rear panels are similarly installed.

(b) Refer to Table B for a complete list of glass panels, glazing strips, and retaining strips.

## 11. TRIM STRIPS

**11.01** Replace trim strips that are damaged.

(a) Refer to Table C for complete list of trim strips.

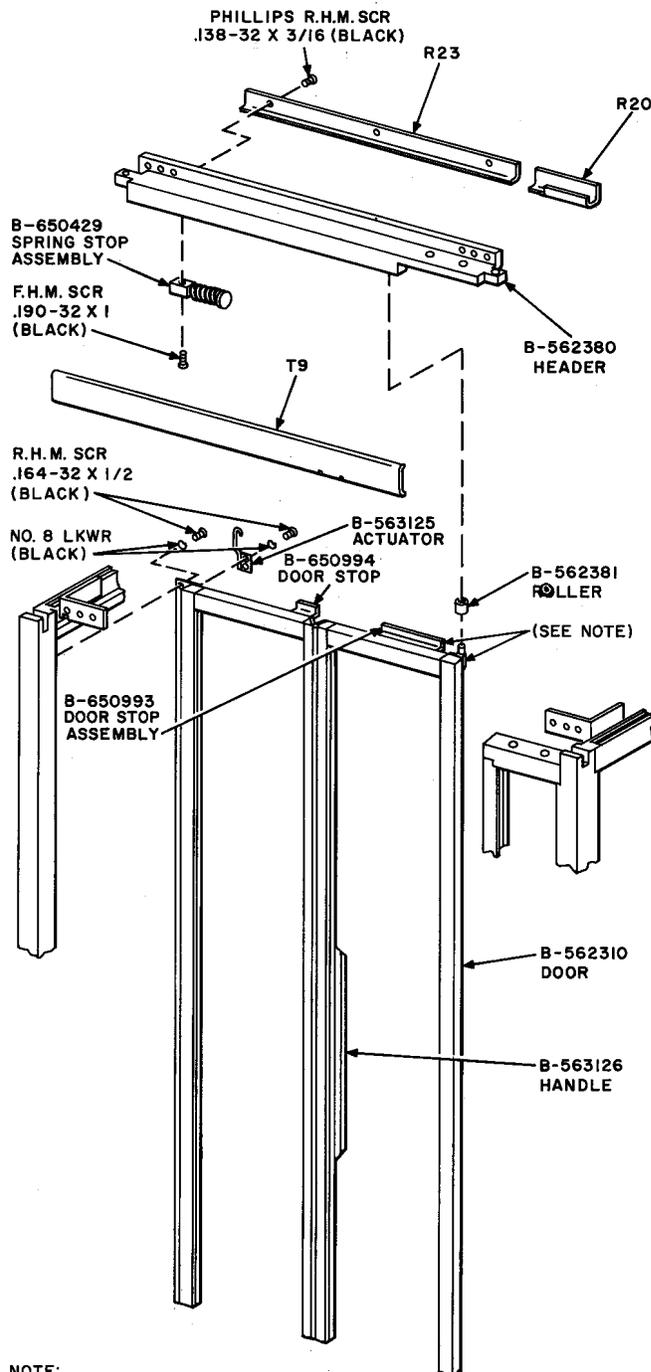
(b) Crimp the edges of all trim strips (except T7, T8, and T11) after they have been installed, approximately every 6 inches, using RS-14770 soft face hammer and a center punch (Fig. 11). These indentations should be kept small enough to be hid by the glazing strips.

**Note:** T7, T8, and T11 are secured with kickplates.

**TABLE B**  
**GLASS PANELS, GLAZING STRIPS, AND RETAINING STRIPS**

GLASS PANEL	POSITION INSTALLED	GLAZING STRIP		RETAINING STRIP			
		DESIGNATION	PART NO.	DESIGNATION	PART NO.	POSITION* ON PANEL	FIG. REF.
KS-19442, List 51	Door	G1	B-562320-1		B-562317-1	Bottom	7
					B-562317-2	Top	
					B-562317-3	Right edge as viewed from rear	
					B-562317-4	Left edge as viewed from rear	
KS-19442, List 53	Right Wall	G2	B-562320-2	R13	B-563116	Top	8
				R7	B-563113-1	Rear	
				R10	B-563114-1	Front	
				R17	B-562398-3	Bottom	
	Rear Wall			R14	B-563117	Top	9
				R8	B-563113-2	Left	
				R22	B-563114-3	Right	
KS-19442, List 57	Left Wall	G4	B-562320-4	R16	B-562398-2	Bottom	10
				R3	B-562397	Top	
				R11	B-563114-2	Rear	
				R25	B-563113-4	Front	
KS-19442, List 59	Front Wall	G5	B-562320-5	R15	B-562398-1	Bottom	6
				R20	B-562399	Top	
				R9	B-563113-3	Corner	
				R12	B-563115	Adjacent to door	
				R18	B-562398-4	Bottom	
	R23	B-566302	Door header	6			

\* Panel positions as viewed from inside of booth



## NOTE:

EARLIER MODELS OF THE BOOTH WERE EQUIPPED WITH A B-562315 GUIDE ASSEMBLY AND A B-562318 DOOR STOP. IN CURRENT MODELS, THESE TWO ITEMS ARE COMBINED INTO ONE ASSEMBLY AS SHOWN (B-650993 DOOR STOP ASSEMBLY). IF EITHER OF THE TWO EARLY ITEMS BECOMES DAMAGED, THEY SHOULD BE REPLACED WITH THE B-650993 DOOR STOP ASSEMBLY.

**Fig. 6—Door Header, Trim, and Door Assembly**

**12.01** Replace kickplates that are damaged.

- (a) Refer to Table D for complete list of kickplates.

**13. CORNER PANELS**

**Note:** All inside corner panels are stainless steel.

**13.01** Replace panels that are damaged.

- (a) Refer to Table E for complete list of panels.  
 (b) Replace inside panels (P1 and P2) as follows:

- (1) Remove coin telephone.
- (2) Remove shelf assembly as directed in Part 8.
- (3) Remove blower switch (from P1 only).
- (4) Remove two 0.164-18 by 5/16 Phillips round head screws.
- (5) Slide panel (P1 to right or P2 to left) until it is free of the retaining clips and slide the panel down (Fig. 12).
- (6) Install using reverse procedure.

- (c) Replace outside panels (P3 and P4) as follows:

- (1) Perform operations outlined in (b)(1) through (5).
- (2) Remove twelve 0.164-18 by 5/16 Phillips round head self-tapping screws and four B-565766 clamps from each panel (Fig. 8 and 9).
- (3) Install using reverse procedure.

**14. CLEANING**

**14.01** Only surfaces exposed to view when the booth is in service need be cleaned.

**14.02** Clean the booth and booth accessories in accordance with Section 770-170-308.

**15. REPLACEMENT PARTS**

**15.01** Table F lists miscellaneous replacement parts which may be ordered as necessary.

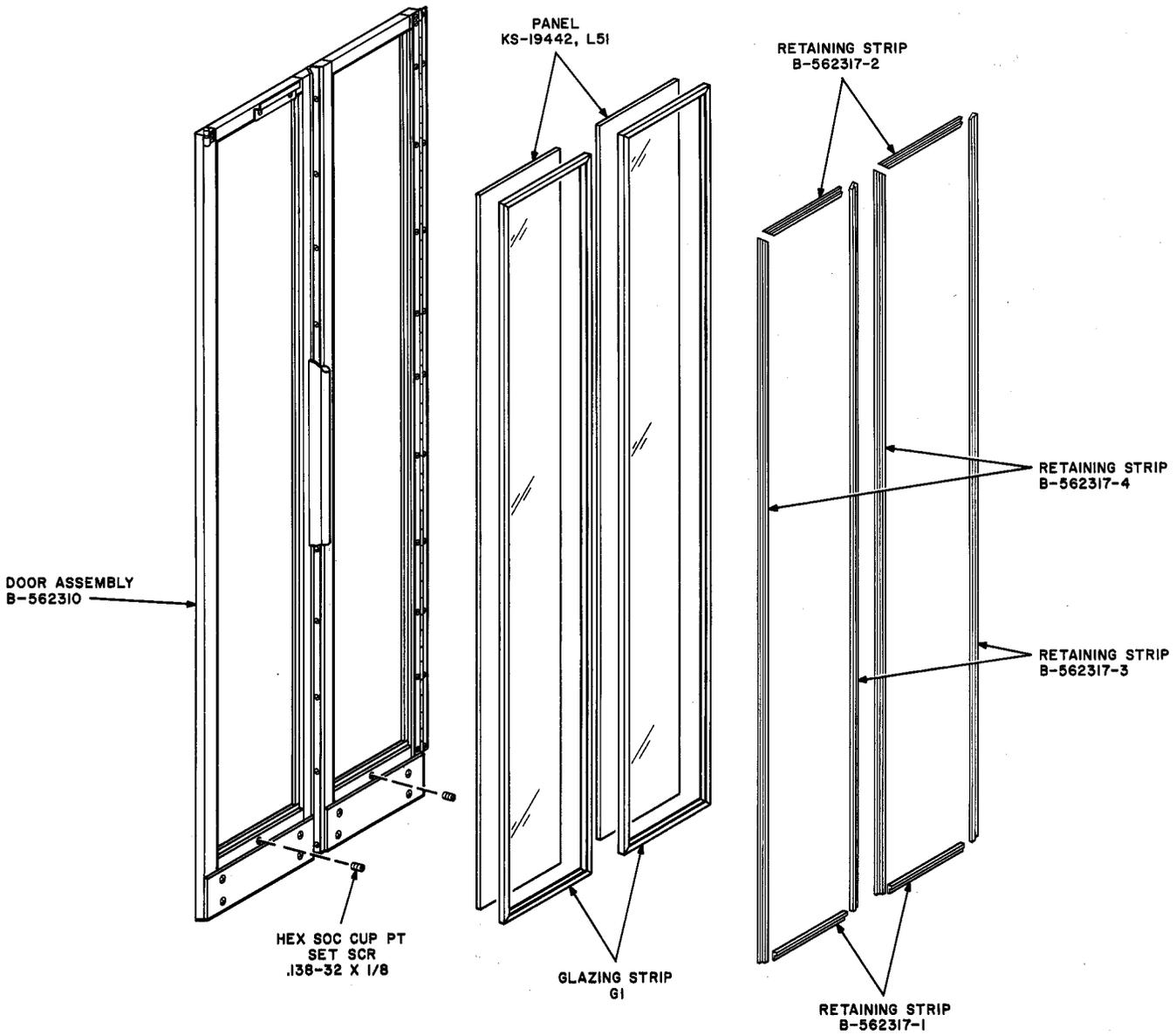


Fig. 7—Installation of Glass Panels in Door

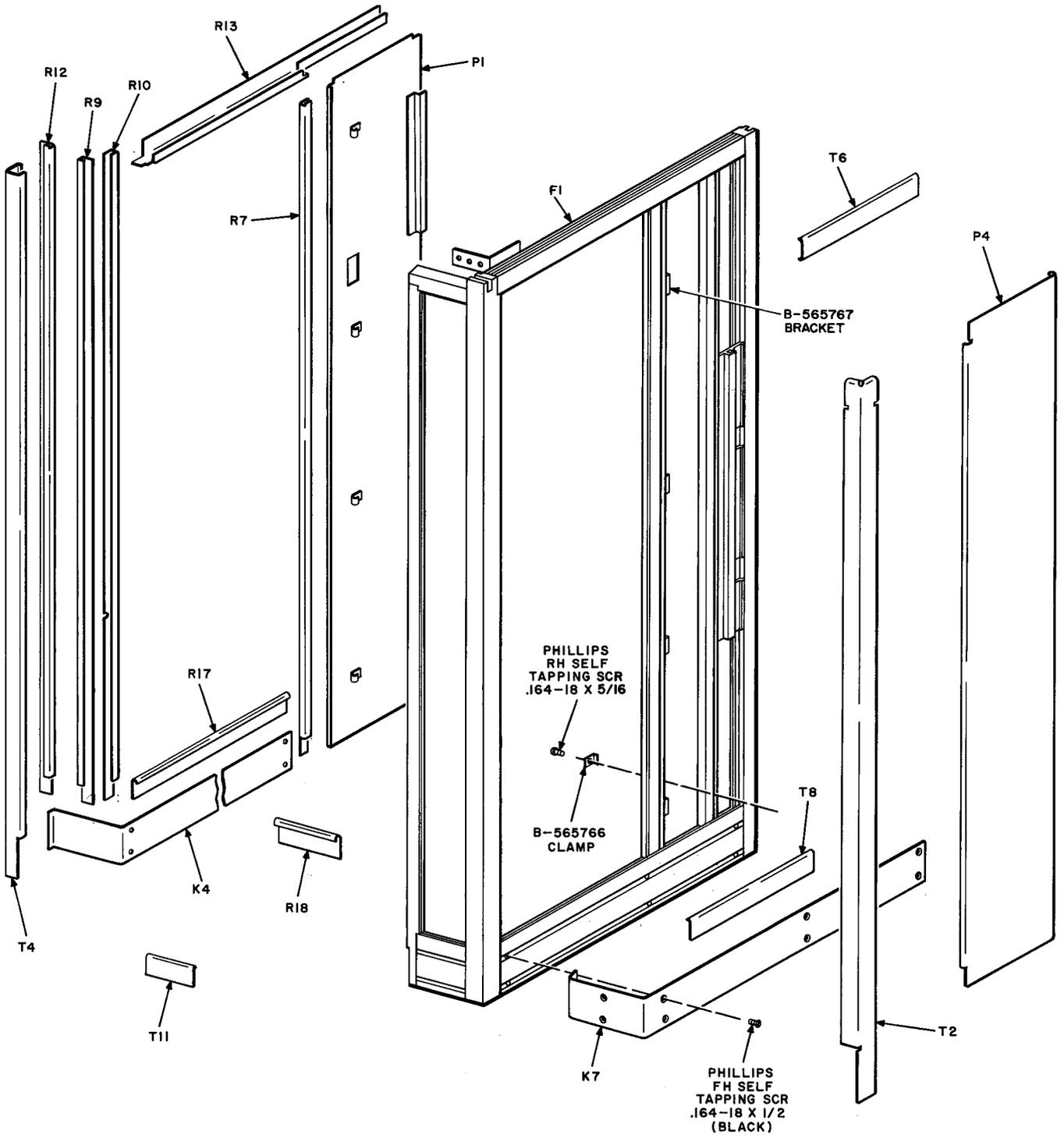


Fig. 8—Exploded View of Right Wall

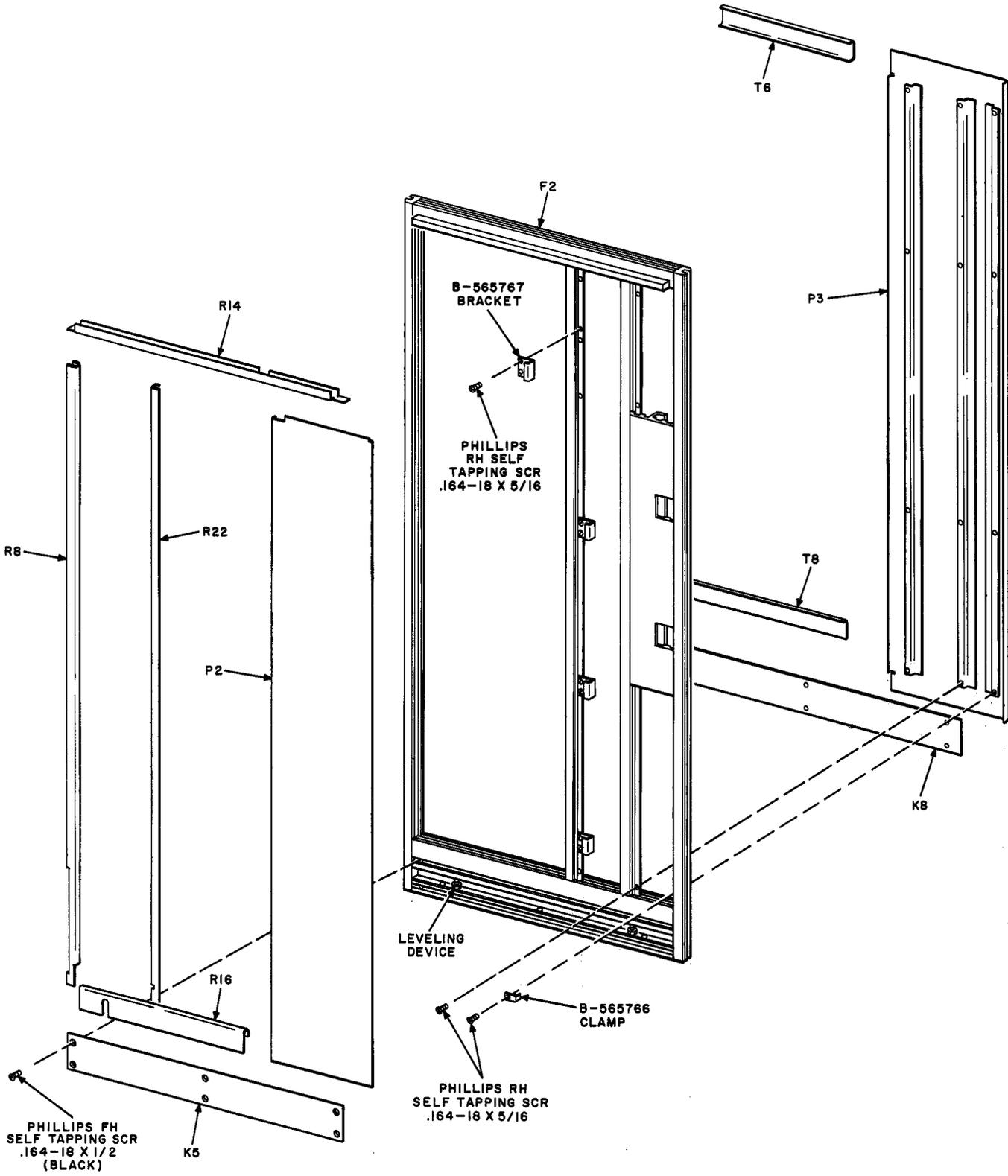


Fig. 9—Exploded View of Rear Wall

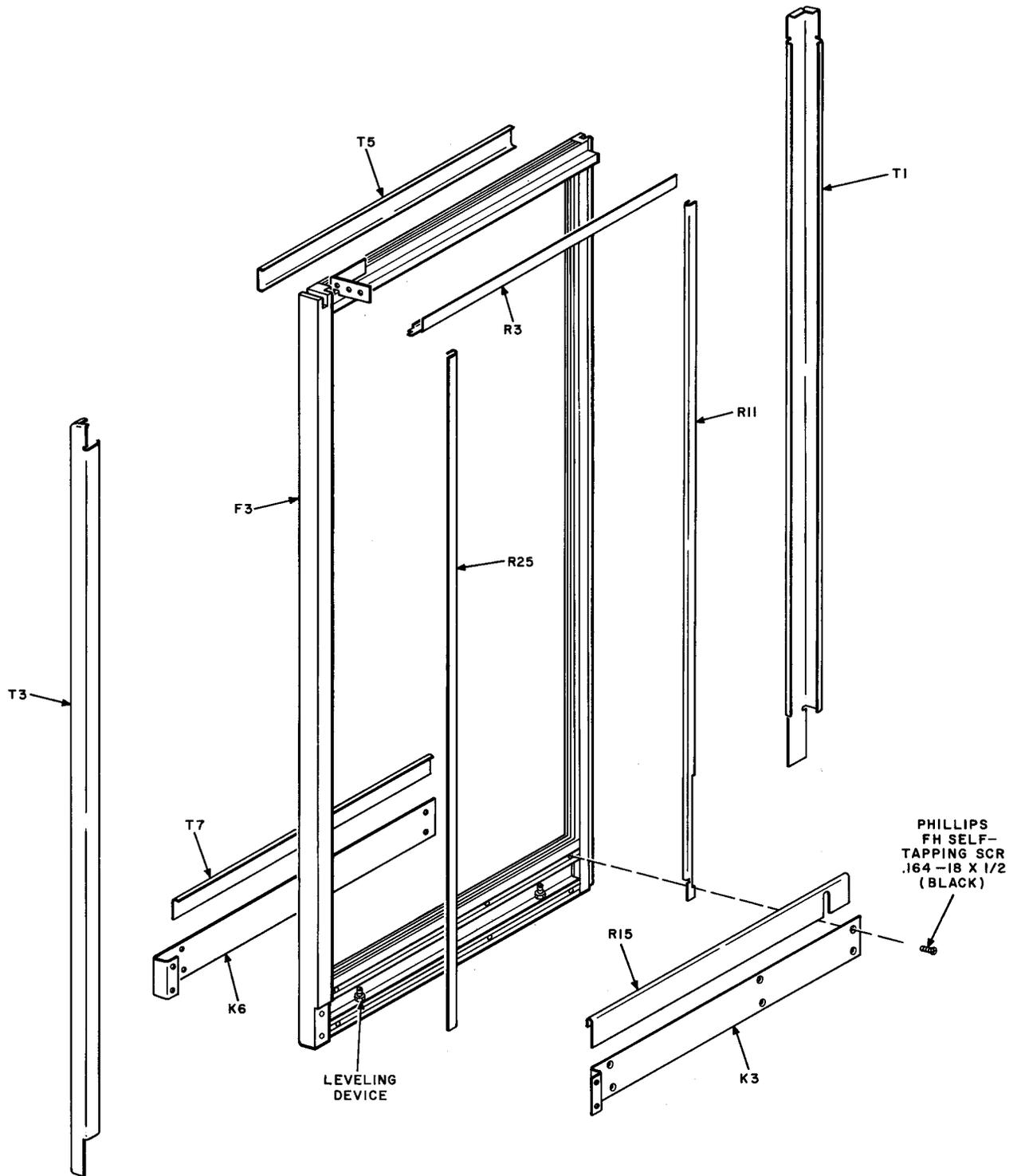


Fig. 10—Exploded View of Left Wall

**TABLE C**  
**TRIM STRIPS**

DESIGNATION	FIG. REF	PART NO.	FINISH			LOCATION
			ANODIZED ALUMINUM	STAINLESS STEEL	ANODIZED BRONZE	
T1	10	B-562390-	1	•		Left rear corner
			2		•	
			3		•	
T2	8	B-562390-	4	•		Right front corner
			5		•	
			6		•	
T3	10	B-562391-	1	•		Left front corner
			2		•	
			3		•	
T4	8	B-562392-	1	•		Front — adjacent to door
			2		•	
			3		•	
T5	10	B-562393-	1	•		Left wall — top
			2		•	
			3		•	
T6	8&9	B-562393-	4	•		Right and rear walls — top
			5		•	
			6		•	
T7	10	B-562394-	1	•		Left wall — bottom
			2		•	
			3		•	
T8	8&9	B-562394-	4	•		Right and rear walls — bottom
			5		•	
			6		•	
T9	6	B-562395-	1	•		Door header
			2		•	
			3		•	
T11	8	B-563129-	1	•		Front wall — bottom
			2		•	
			3		•	

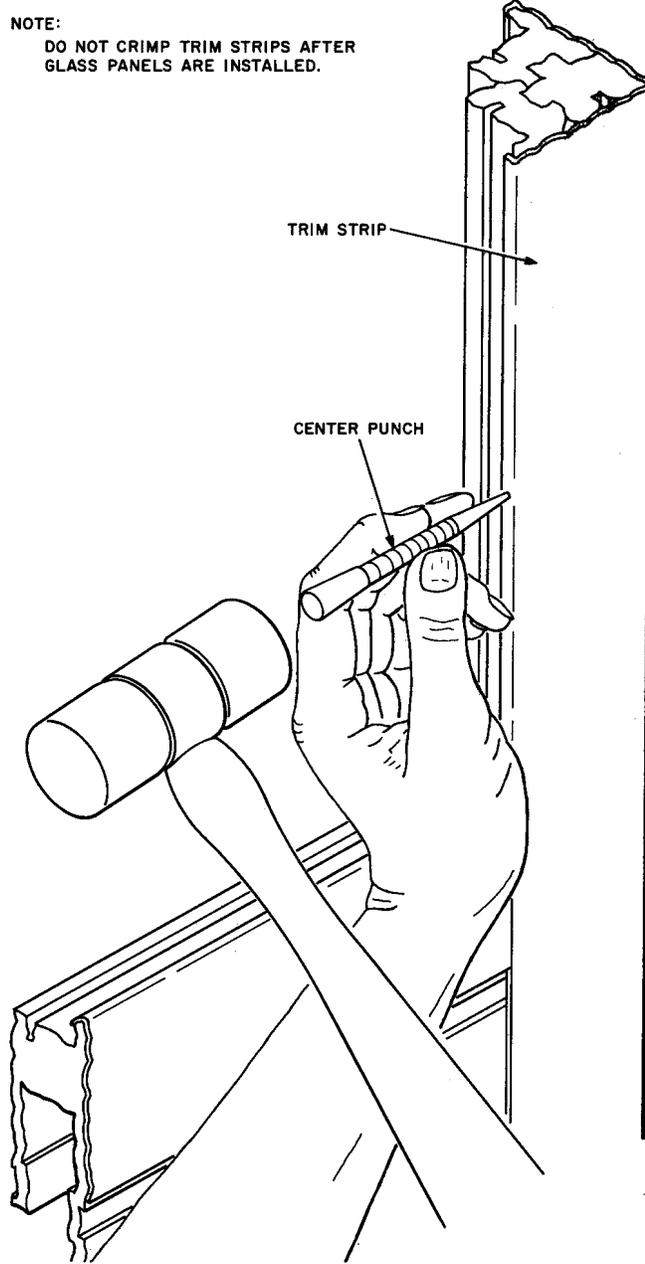


Fig. 11—Method of Crimping Trim Strips

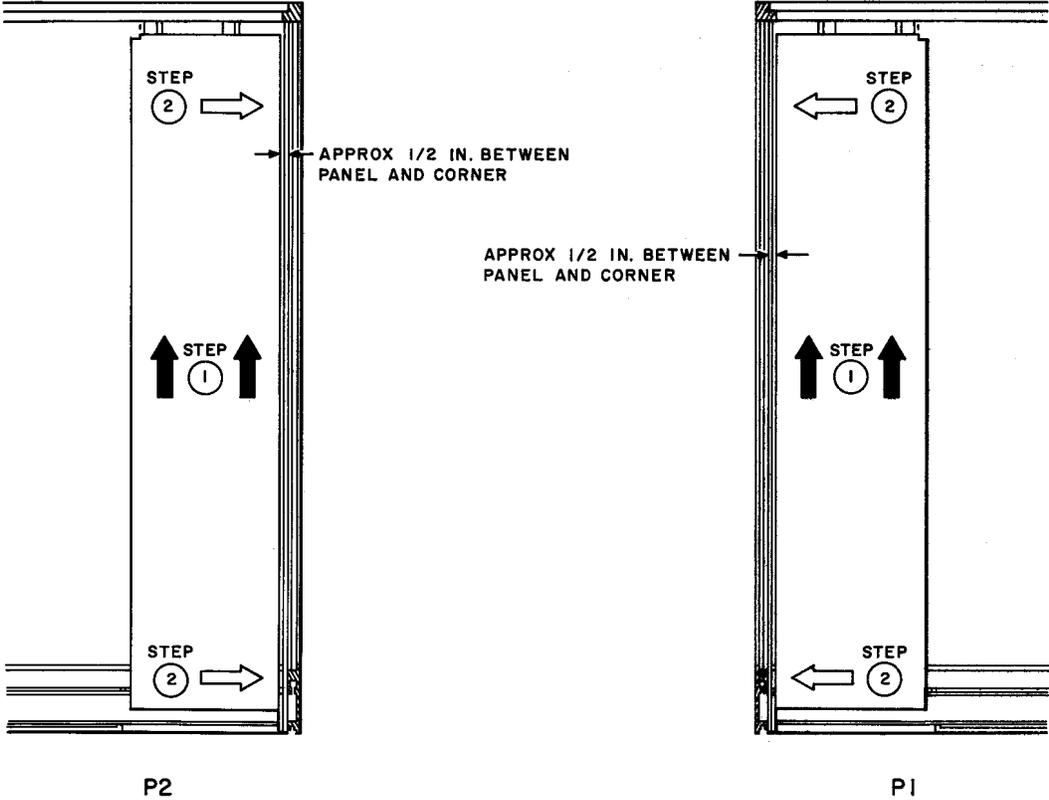
**TABLE D**  
**KICKPLATES**

DESIGNATION	FIG. REF	PART NO.	LOCATION
K3	10	B-562357	Left wall — inside
K4	8	B-562358	Right wall — inside
K5	9	B-562359	Rear wall — inside
K6	10	B-562360	Left wall — outside
K7	8	B-562361	Right wall — outside
K8	9	B-562362	Rear wall — outside
K9	*	B-562363	Front wall — outside

\* K9 used only in multiple arrangements.

**TABLE E**  
**CORNER PANELS**

DESIGNATION	FIG. REF	PART NO.	FINISH			LOCATION
			ANODIZED ALUMINUM	STAINLESS STEEL	ANODIZED BRONZE	
P1	8	B-562304		•		Right wall — inside
P2	9	B-562305		•		Rear wall — inside
P3	9	B-562306-	1	•		Rear wall — outside
			2		•	
			3			
P4	8	B-562307-	1	•		Right wall — outside
			2		•	
			3			



PROCEDURE FOR INSTALLATION  
OF P1 AND P2 PANELS  
(REVERSE PROCEDURE  
FOR REMOVAL)

Fig. 12—Installation and Removal of P1 and P2 Panels

**TABLE F**  
**MISCELLANEOUS REPLACEMENT PARTS**

NAME	PART NO. LIST NO. OR DESCRIPTION	REMARKS
Actuator	B-563125	Located on door for actuating snap action switch
Cable Assembly	KS-19425, List 22	For incoming power or interconnecting power between multiple booths
Cover, seat	B-562302	See Fig. 2
Cover, telephone	127A	For use over panel telephone
Dome Assembly	B-551952	
Door Stop	B-650994	Located on top center of door
Door Stop Assembly	B-650993	Contains door roller rod
Lamp, fluorescent	40 Watt Circline, CW	
Plate, fan switch	B-562376	Mounts over blower switch
Roller	B-562381	Rolls in door track
Seat Assembly	B-562303	Does not include seat cover
Shelf	B-562356	Tempered glass
Spring Stop Assembly	B-650429	Located on door header
Switch, fan	B-563123	Controls blower motor
Switch, snap action	B-563122	Operates when door is closed