

## KS-19580 BOOTH (OUTDOOR) MAINTENANCE

### 1. GENERAL

1.01 This section is reissued to:

- Revise Table A.
- Delete information on door guide adjustments.
- Revise Fig. 3 and 4 to agree with latest engineering design.
- Add Fig. 5.

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.

1.04 All screws threaded into aluminum parts during the course of repair shall be coated with KS-19094 antiseize compound.

### 2. BOOTH CHECK POINTS

- Safe approach to booth (have dangerous conditions corrected)
- Appearance of booth
- Electrical grounding
- Door operation
- Panels and signs
- Booth lighting
- Directories and binders
- Dome and lights
- Security of booth anchorage
- Loose screws and bolts

- Seat assembly (if applicable)

- Shelf assemblies

- Power cords

### 3. CLEANING

3.01 Clean the booth in accordance with Section 770-170-308.

3.02 Ensure that the insect screen in the front sign enclosure is free of foreign material.

### 4. DOME ASSEMBLY

 *Use eye protection when removing the dome assembly.*

4.01 The B-551952 dome assembly must be removed to make the light assembly accessible. Do this in accordance with Fig. 1.

4.02 Clean the space between the ceiling and roof of all loose dirt and foreign material.

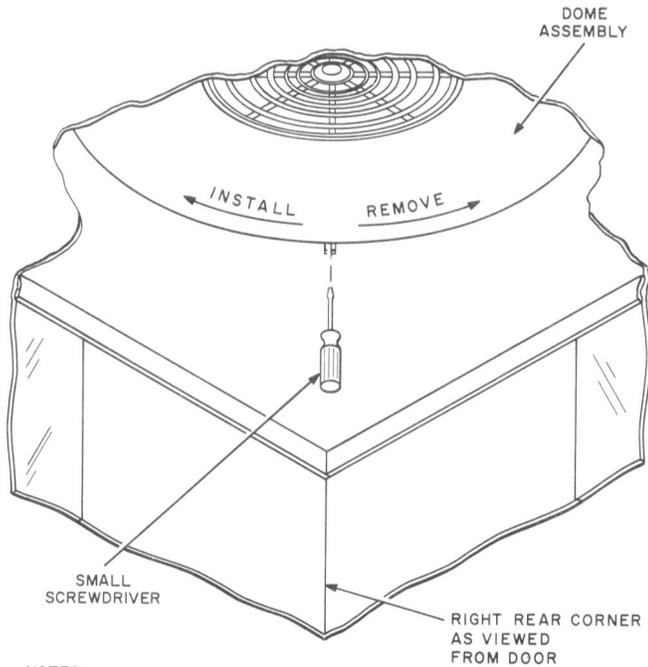
4.03 Clean the inside of the dome assembly in accordance with Section 770-170-308.

4.04 Replace dome assemblies which do not meet local telephone company standards.

### 5. LIGHT ASSEMBLY

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

5.01 Each booth is equipped with a KS-19207, List 3 light and blower unit or a KS-19207, List 7 light fixture. The unit is equipped with two fluorescent Circline 40-watt cool white lamps.



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. 1—Method of Removing Dome Assembly

5.02 Refer to Section 508-820-100 for wiring and maintenance of the KS-19207 light and blower unit.

5.03 If the KS-19207, List 3 light and blower unit is present, ensure that the door operated B-650927 switch assembly actuates properly when the door is closed. Also ensure that the manually operated blower switch assembly (B-684779), located in the right front corner of the booth, turns the blower on and off.

5.04 Ensure that all electrical leads are securely clamped away from the air inlet hole and from the rotating impeller if a blower is present.

5.05 When ballast shows signs of leaking compound, replace the complete KS-19207 unit.

5.06 See Section 508-354-200 for wiring diagrams of multiple installations.

6. LIGHT CONTROL UNIT

6.01 Maintenance instructions for KS-19261 light control units are covered in Section 508-825-100.

7. PANEL REPLACEMENT

SIDE AND REAR PANELS

*Warning: 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. Before installation, examine glass for nicks or chips along edges. If such defects are apparent, do not use this glass.*

7.01 Replace those panels which are broken or which will not meet local telephone company standards. Refer to Table A for available panels.

7.02 Booth panels and signs are held in place by four interlocking retaining strips. They are inserted in sequence as shown in Fig. 2. The No. 4 strip is rippled and is held in place by interface friction.

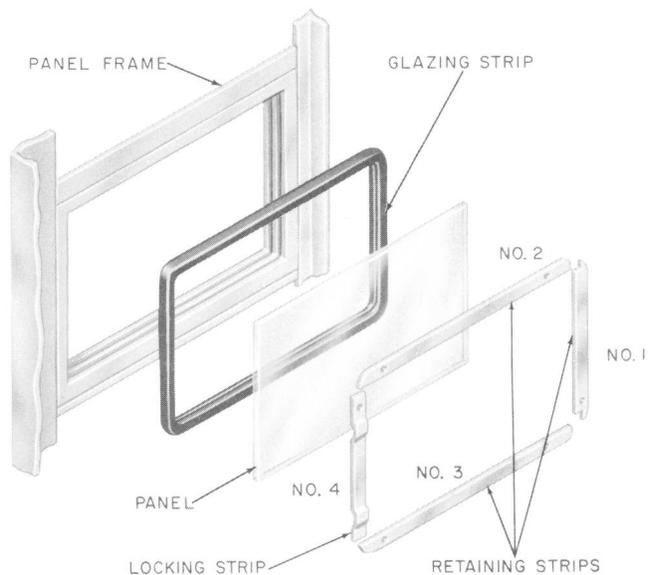


Fig. 2—Assembly of Side or Rear Panels

**7.03** Replace panels as follows:

- (1) Remove No. 4 locking strip.
- (2) Remove retaining strips No. 2 and 3.
- (3) Remove retaining strip No. 1.
- (4) Remove panel and rubber glazing strip.
- (5) Apply rubber glazing strip to replacement panel.
- (6) Insert panel into frame with the beaded edge of glazing strip on the outside.
- (7) Replace retaining strips in sequence as shown in Fig. 2.

#### **BOTTOM PANELS**

**7.04** Replace those panels which are broken or which will not meet local telephone company standards. Refer to Table A for available panels.

**7.05** To remove panels, remove Phillips RH screws (eight for short panel and ten for solid panel).



*The rear bottom panels are equipped with a mounting bracket and leveling device. When ordering replacement panels for the rear, and a mounting bracket angle (B-684710) is not needed, the following numbers may be used.*

- KS-19580, List 49—Solid Panel
- KS-19580, List 50—Short Panel

#### **8. PHONE SIGNS**

**8.01** The front sign may be removed as follows:

- (a) Remove four self-tapping screws and the top metal retainer which secures the sign.
- (b) Slide the sign up and out of the enclosure assembly.
- (c) Use reverse procedure for installing.



*Roof must be removed before side and rear sign panels can be removed. See Part 14.*

**8.02** The side and rear signs are removed in the same manner as the side panels (see 7.03 and Fig. 2).

**8.03** Replace signs which are broken or which will not meet local telephone company standards. Refer to Table A for available signs.

#### **9. SEAT ASSEMBLY**

**9.01** Replace those seats (if present) which are broken or which will not meet local telephone company standards. Refer to Section 508-354-200 for installation procedures.

#### **10. SHELF ASSEMBLIES AND APPARATUS BLANKS**

**10.01** Replace those shelves and apparatus blanks which are broken or which will not meet local telephone company standards. Refer to Section 508-354-100 for available shelves, and Section 508-354-200 for installation procedures.

#### **11. DIRECTORIES AND BINDERS**

**11.01** Directory binder rods or hinge fasteners shall not be broken or distorted to the extent that directories are not capable of being held securely in the binder. Hinges shall not be so bent, burred, or distorted as to obstruct the free passage of hinge fasteners or prevent smooth operation of covers.

**11.02** Binder locking devices shall operate freely and lock securely. Adjustable backplates shall be in good condition.

**11.03** Ensure that a rubber bumper is in place on the directory rack hanger to cushion the binder as it drops into the rack.

- B-685401 for KS-19425, List 16 directory rack

- B-697467 for KS-20030, List 3 directory hanger

**TABLE A**  
**REPLACEMENT PARTS**

NAME	PART NO. LIST NO., OR DESCRIPTION	REMARKS			
Actuator Assembly	B-650929	Actuates B-650927 switch assembly			
Angle	B-684710	Adjustable mounting bracket in rear and right front corner			
	B-684711	Adjustable mounting bracket in left front corner			
	B-650824	Support for B-650825 bumper			
Bumper	B-650825	Located in left end of door track as viewed from front of booth			
	B-650826	Located right end of door track as viewed from front of booth			
	B-684714	Used in left door frame			
	B-651921	Used on right rail as door stop			
Cover Assembly	B-685413	Access cover which includes 123A1A protector			
Dome Assembly	B-551952	Circular lens and ventilator under light fixture			
Enclosure Assembly	B-685376	Encloses front sign			
Floor	B-684719-1	Tread plate			
	B-684719-2	Abrasive clad plate			
Grommet	B-684716	Used at telephone wire entrance holes			
Header Assembly	B-650822				
Lamp	40 Watt-Circline cool white	Used in KS-19207 light unit			
Nut, Adjusting	B-684712	Used in conjunction with mounting bracket angles			
Panels, bottom		38	Short, right side		
		39	Short, rear (includes mounting bracket angle)		
		40	Solid, right side		
		41	Solid, rear (includes mounting bracket angle)		
		49	Solid, left side		
		50	Short, left side		
Panels, door, side, and rear	KS-19580-	Tempered Glass	10	Side or Rear, small 7/32-inch thick	
			11	Side or Rear, small, 1/4-inch thick	
			12	Side or Rear, large, 7/32-inch thick	
			13	Side or Rear, large, 1/4-inch thick	
			14	Door, 7/32-inch thick	
			15	Door, 1/4-inch thick	
			32	Aluminum	Side or Rear, small
			33	Faced	Side or Rear, large

**TABLE A (Cont)**  
**REPLACEMENT PARTS**

NAME	PART NO., LIST NO., OR DESCRIPTION		REMARKS
Panels, door, side, and rear (Cont)	90	Porcelain Enamel	Blue
	91		Side or Rear, large
	92		Gray
	93		Red
	94		Side or Rear, small
	95		Blue
Panels, Sign	KS-19580-	16	Aluminum, solid
		35	Aluminum, louvered
		72	Blue background, White Letters
		75	White background, Blue Letters
		86	Blue blank
		87	White blank
		80	Blue background, White Letters
		84	White background, Blue Letters
		88	Blue blank
		89	White blank
Plug	Shake Proof Corp. No. 207-560401- 00-3102	Plug button for plugging power wire entrance holes	
	Shake Proof Corp. No. 207-440401- 00-0667	Plug button for plugging light control entrance hole	
Roof Assembly	B-651303		
Strip, glazing	B-685410-1	Side or rear sign	
	B-685410-2	Side and rear glass panels (large)	
	B-685410-3	Side and rear glass panels (small)	
	B-685410-4	Door panels	
	B-685411-1	Multiple installation sign panel assembly	
	B-685411-2	Aluminum or porcelain type panels (large)	
	B-685411-3	Aluminum or porcelain type panels (small)	
	B-685410-5	Front sign	
Strip, retaining	B-685372-1	Top of door panels	
	B-685372-2	Either side of door panels	
	B-685372-3	Bottom of door panels	
	B-685372-4	Either side of large side panels	
	B-685372-5	Locking strip for large side panels	
	B-685372-6	Either side of small side panels	

**TABLE A (Cont)**  
**REPLACEMENT PARTS**

NAME	PART NO., LIST NO., OR DESCRIPTION	REMARKS
Strip, retaining (Cont)	B-685372-7	Top of small side panels, large side panels, or side and rear phone signs
	B-685372-8	Locking strip for small side panels
	B-685372-9	Bottom of small side panels, large side panels, or side and rear phone signs
	B-685372-10	Either side of phone signs (front and rear)
	B-685372-11	Locking strip for phone signs
Strip, Rubber	B-685412	Adhesive backed roof gaskets*
Switch assembly	B-650927	Energizes light and blower when door is closed
	B-684779	Turns blower motor on and off

\* Roof gaskets should be checked for damage each time roof is removed.

**11.04** Install a new bumper, if required as follows:

- (a) Soften old adhesive with trichloroethane and remove.
- (b) Install new bumper using 3M Company EC-880 adhesive or equivalent.

**11.05** Refer to Section 508-710-101 for additional information on directories and binders.

**12. PROTECTOR GROUND**

**12.01** The protector is located on the rear of the access cover located in right rear corner of ceiling area or in some cases it may be located on the rear of the access cover located in the right rear corner at floor level. If the protector is located in the ceiling area, accessibility is obtained by removing roof. See Part 14.

**12.02** The booth is equipped with a bonding wire at each of the access covers. Ensure that this wire is secured to the booth and protector.

**12.03** If the bonding wire becomes broken, replace with copper or aluminum wire no smaller than No. 14 gauge.

**13. FLOOR**

**13.01** If a booth is equipped with an abrasive-clad floor, the finish can be restored with the use of Goodyear Griptred flooring and protective coating, dark grey 592-7005 or equivalent. This can be applied with an ordinary paint brush.

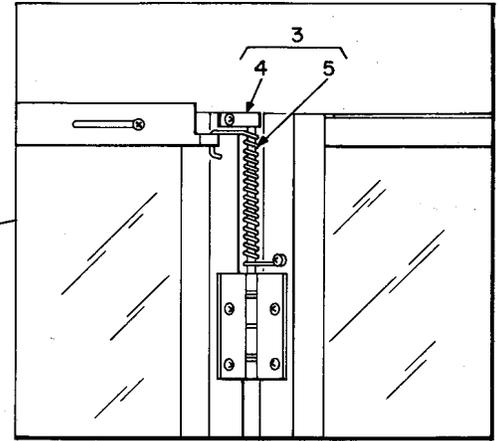
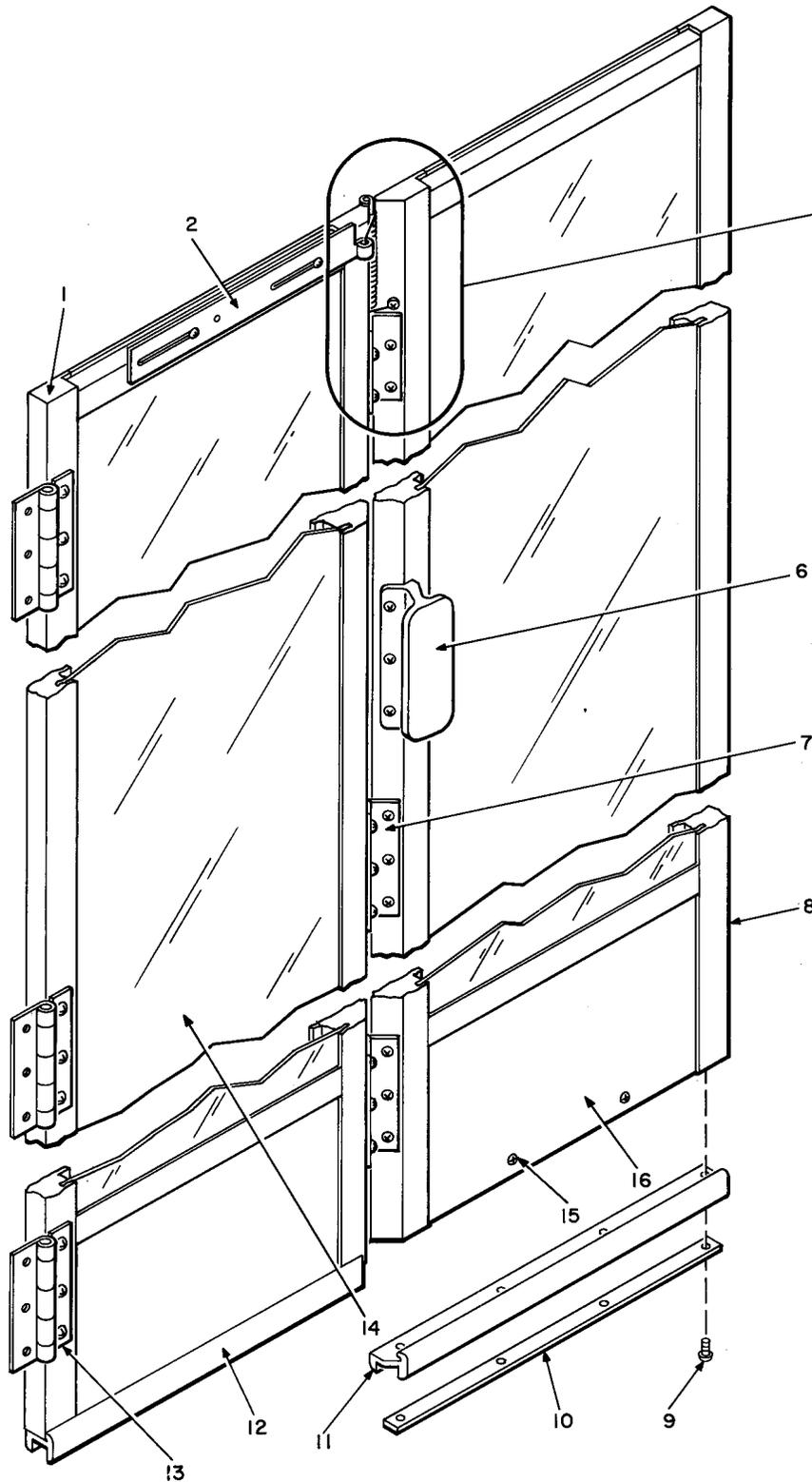
**14. ROOF**

**14.01** If it becomes necessary to remove the roof, remove 12 No. 8-32 by 5/8 Phillips RH screws and lift off.

**14.02** There are four B-650854 adhesive backed rubber strips which are riveted along the booth edge under the roof. Check strips for damage each time roof is removed. Replace strips as necessary.

**15. DOOR REQUIREMENTS (See Fig. 3 For Replacement Parts)**

**15.01** The door shall operate freely and smoothly without squeaking or chattering. The nylon rollers and door track shall be clean of foreign material and the track shall not be gouged, burred, or scored causing rough operation of the door.



1. B-684707 RIGHT DOOR ASSEMBLY
2. B-684748 STOP ASSEMBLY
3. B-684745 TOP HINGE ASSEMBLY
4. B-684747 SUPPORT
5. B-684746 SPRING
6. B-684738 HANDLE
7. B-684744 BUTT HINGE ASSEMBLY
8. B-650841 LEFT DOOR ASSEMBLY
9. NO.8-32 BY 5/8 PHILLIPS RHM SCREW
10. B-684741 RETAINER STRIP
11. B-684740 DOOR BUMPER
12. B-684739 DOOR BUMPER
13. B-650842 BUTT HINGE ASSEMBLY
14. GLASS PANEL
15. NO.6-32 BY 1/2 PHILLIPS FHM SCREW
16. B-684742 PANEL

Fig. 3—B-684705 Door Assembly

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**15.02** With the booth level, when the door is fully closed, it shall remain closed until opened manually, and when in the fully closed position the top of the door shall be in alignment with the door frame.

**15.03** The door shall be held open 2 to 3 inches when in the normal position. Ensure that maximum tension is obtained on spring in center of door (Fig. 3).

**15.04** Fig. 4 shows the B-651721-2 door guide assembly which is a replacement for the older B-650843 assembly. All new KS-19580 booths are equipped with the new assembly. All early model KS-19580 booths should have the old assemblies replaced with the new B-651721-2 door guide assembly. Use three No. 8 by 1/2 Phillips RH self tapping screws to secure assembly to door frame.

**15.05** The door actuated switch shall operate as follows when the manual blower switch is on:

- (a) With the door fully closed, the blower motor shall run.
- (b) With the door held by the door guide spring in the open position specified in 15.03, the blower motor shall be off.



*The door switch shall have no effect on the operation of the booth lamps if the lamps are wired for continuous illumination or automatic light control.*

**15.06** The clear door opening shall be a minimum of 21 inches. It will be necessary to relocate the door bumper in some booths to obtain this dimension.

**15.07** Rubber bumpers at the bottom of the doors shall not be frayed or torn to expose underlying metal. Screws and retainer strips shall hold bumpers securely.

**15.08** Ensure that angle bracket associated with felt bumper in door track is tight.

## 16 DOOR MAINTENANCE

**16.01** If door hinges squeak, lubricate them at each joint between the barrels with KS-14774, L2G lubricating grease or equivalent; a KS-14796 oiler may be used.

**16.02** Replace glass panels in similar manner as side panels (Fig. 2).

**16.03** Replace damaged bumpers along bottom of door (Fig. 3).

## 17. REPLACEMENT PARTS

**17.01** The parts listed in Table A are not shown in Fig. 3 or 4 but may be ordered as necessary.



*The B-651921 bumper (Fig. 5), listed in Table A, is a replacement part; however, all booths have not been equipped with these bumpers. A No. 10-32 tapped hole is provided on the right side rail for installation. Ensure that this bumper is either present or is installed on each maintenance check. Use screw described in Fig. 5.*

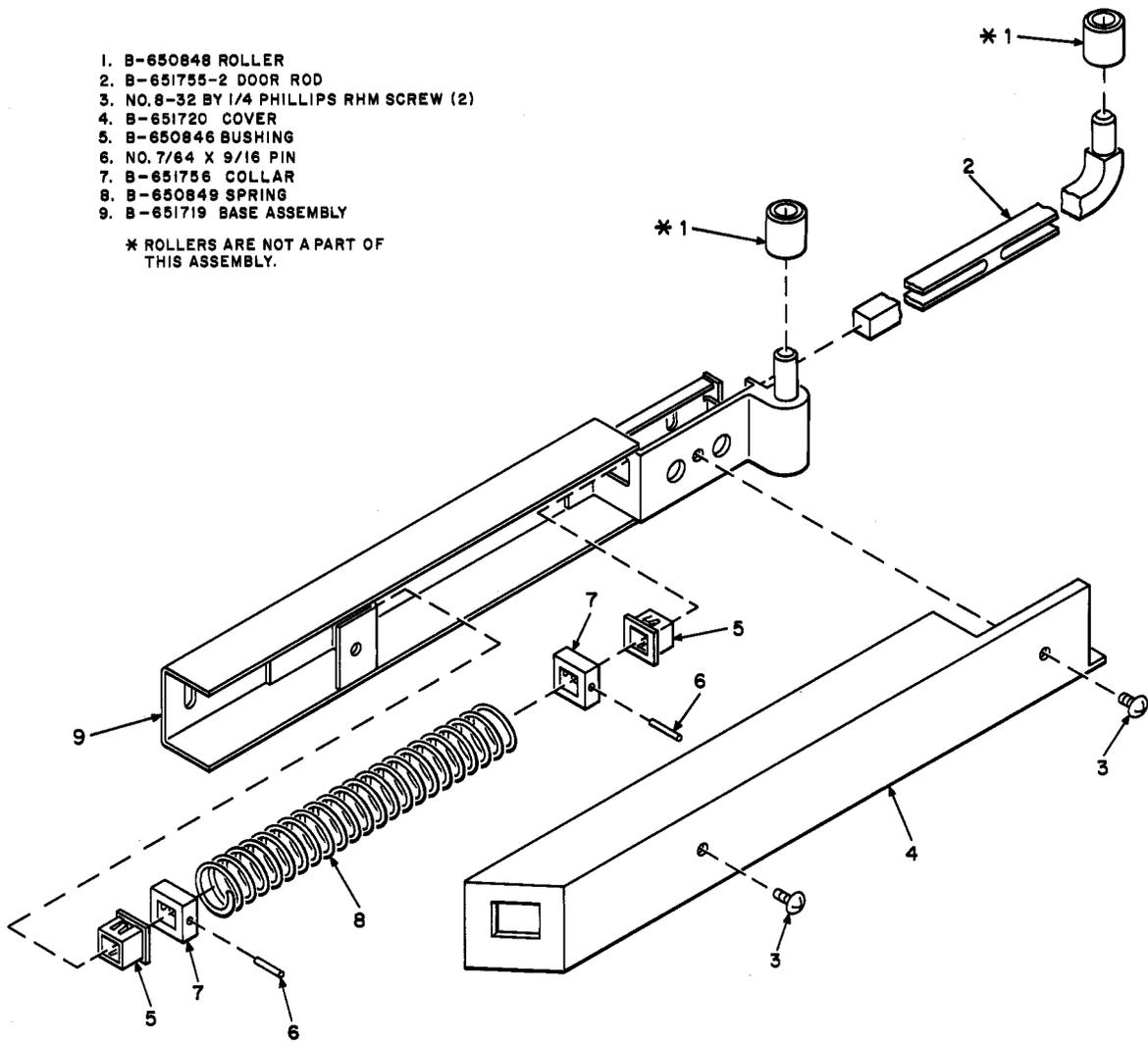


Fig. 4—B-651721-2 Door Guide Assembly

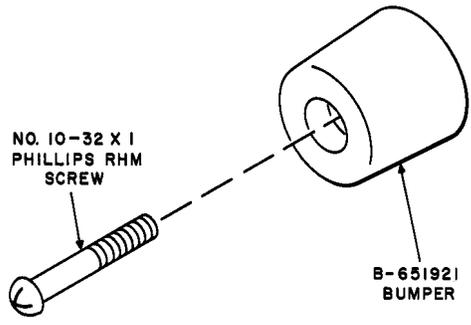


Fig. 5—B-651921 Bumper With Mounting Screw