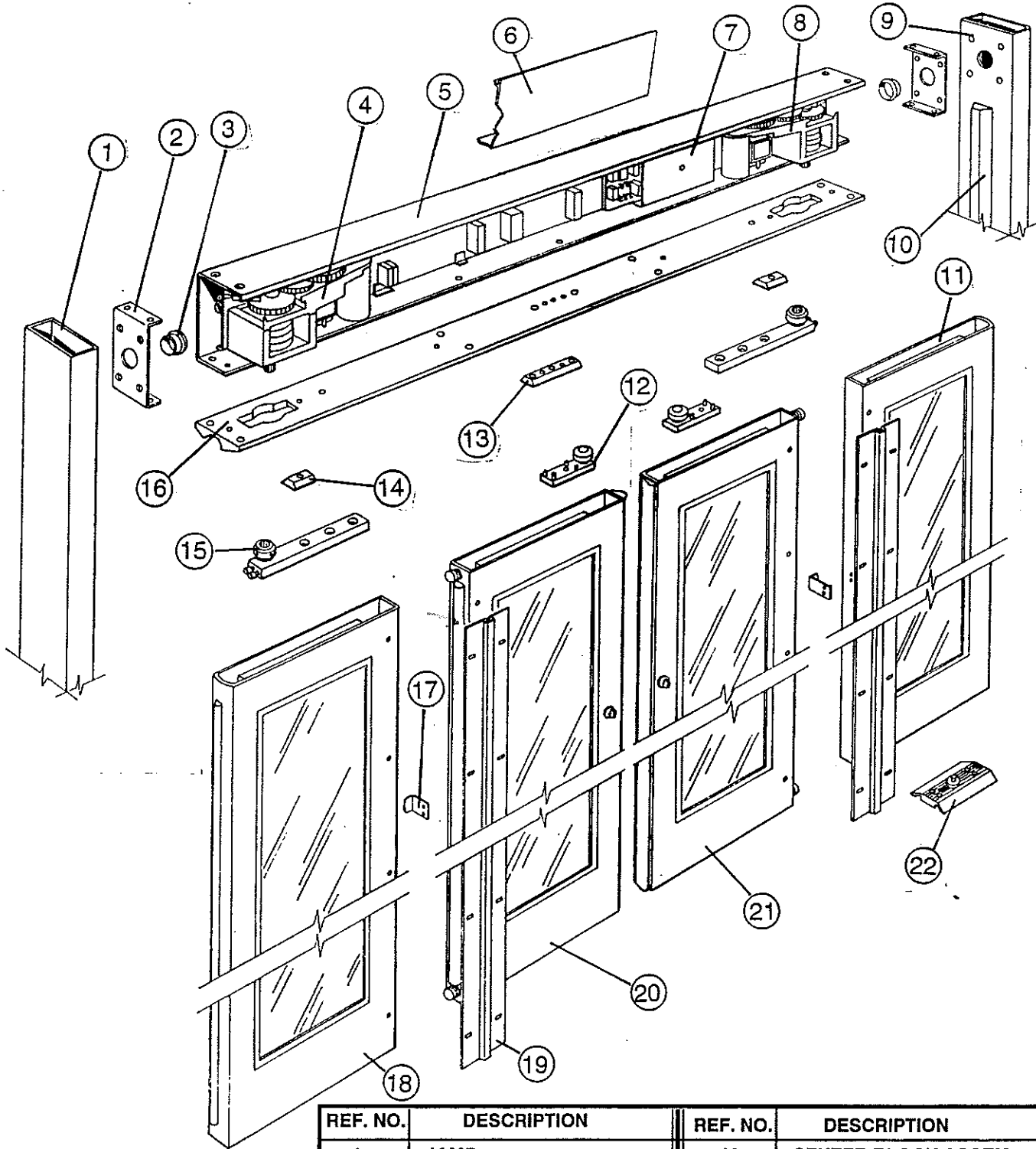


BIFOLD DOOR SYSTEMS

**TWO PANEL
FOUR PANEL**

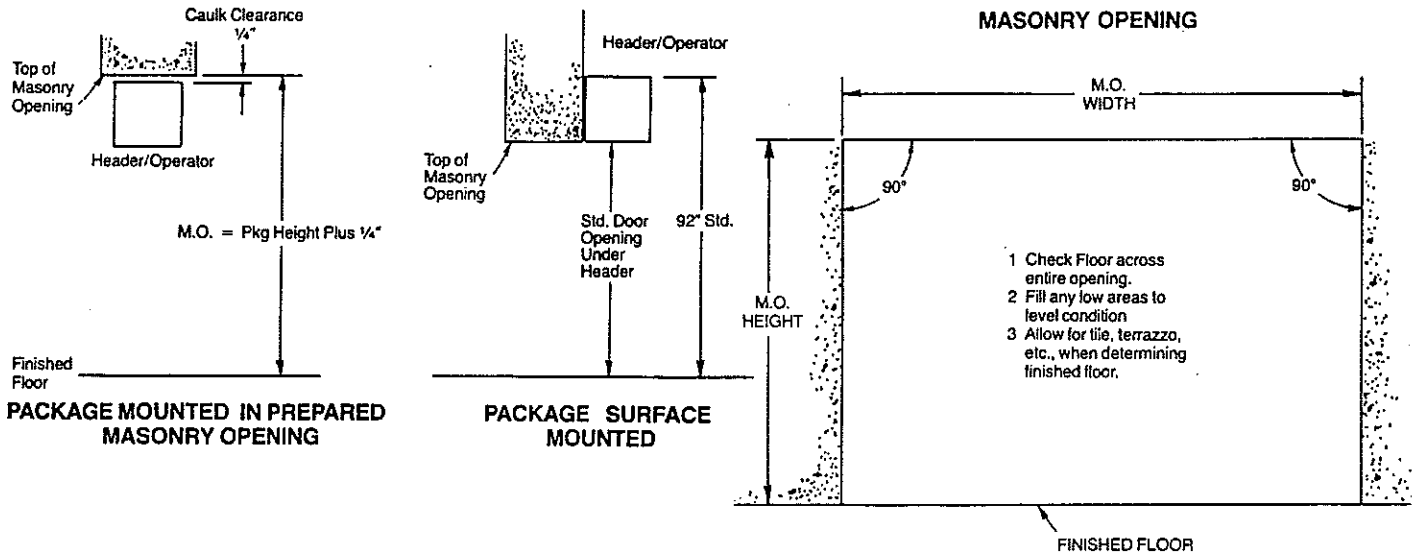
Installation Manual

BIFOLD

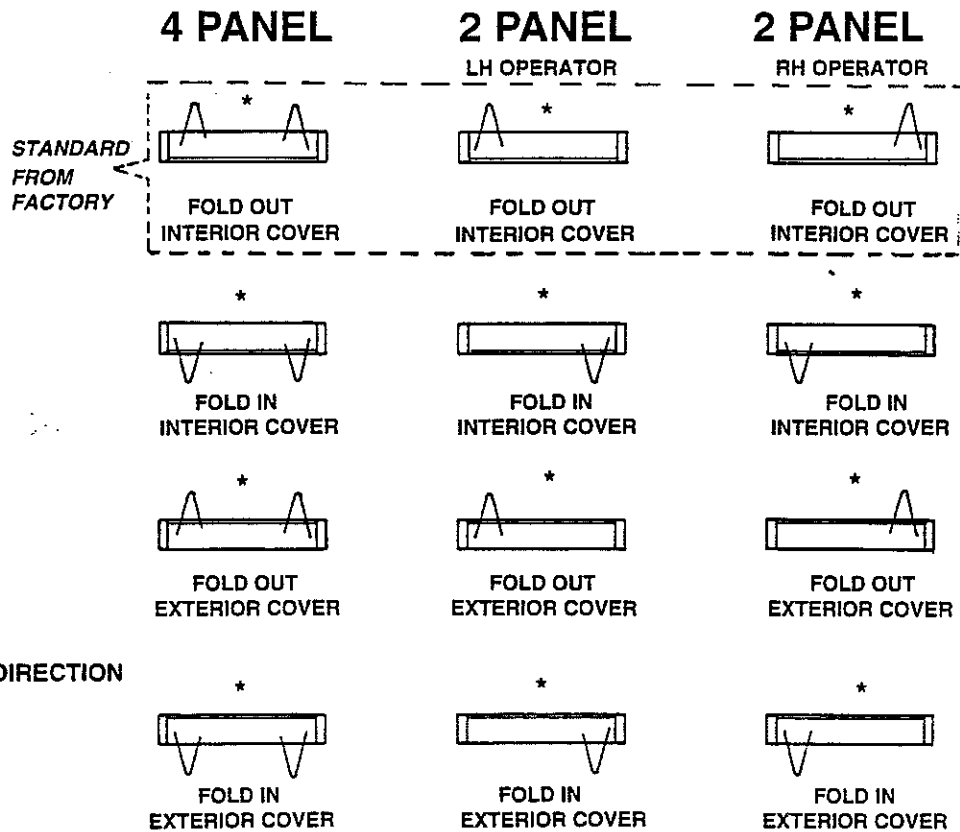


REF. NO.	DESCRIPTION	REF. NO.	DESCRIPTION
1	JAMB	13	CENTER BLOCK ASSEM.
2	END SUPPORT BRACKET	14	SENSOR HOUSING ASSEM.
3	BUSHING	15	DOOR ARM EXTENSION
4	LH OPERATOR ASSEM.	16	BREAKOUT TRACK EXTRUSION
5	HEADER EXTRUSION	17	PULL HANDLE
6	COVER EXTRUSION	18	LH PIVOT PANEL ASSEM.
7	DUAL CONTROL BOX	19	HINGE ASSEM. 83" CL.
8	RH OPERATOR ASSEM.		HINGE ASSEM. 95" CL.
9	JAMB		HINGE ASSEM. 119" CL.
10	FINGER GUARD	20	LH LEAD PANEL ASSEM.
11	RH PIVOT PANEL ASSEM.	21	RH LEAD PANEL ASSEM.
12	BREAKOUT MECHANISM	22	BOTTOM PIVOT TAPERED

AREA PREPARATION



BIFOLD AND BREAKOUT CONFIGURATIONS



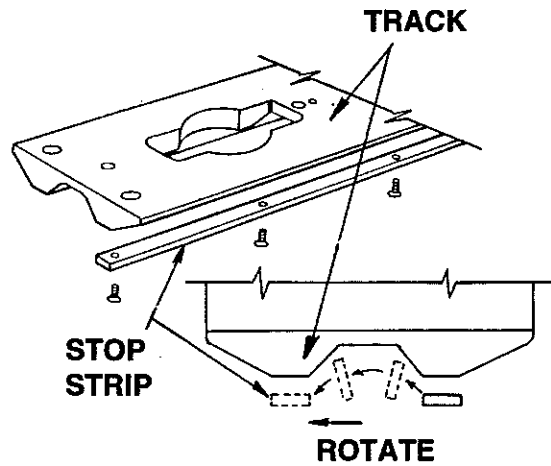
BIFOLD BREAKOUT (change direction)

IMPORTANT: REFER TO PAGE 3 FOR BIFOLD AND BREAKOUT CONFIGURATIONS

1. The doors may be installed with breakout in either direction. The **TWO PANEL** and the **FOUR PANEL** direction change is accomplished differently.

2 PANEL

- a. Remove the stop strip and rotate it as shown. Note the countersink is provided on both sides for ease of installation. If rotated in this direction new mounting holes will not have to be drilled.
- b. The doors will now breakout in the opposite direction.

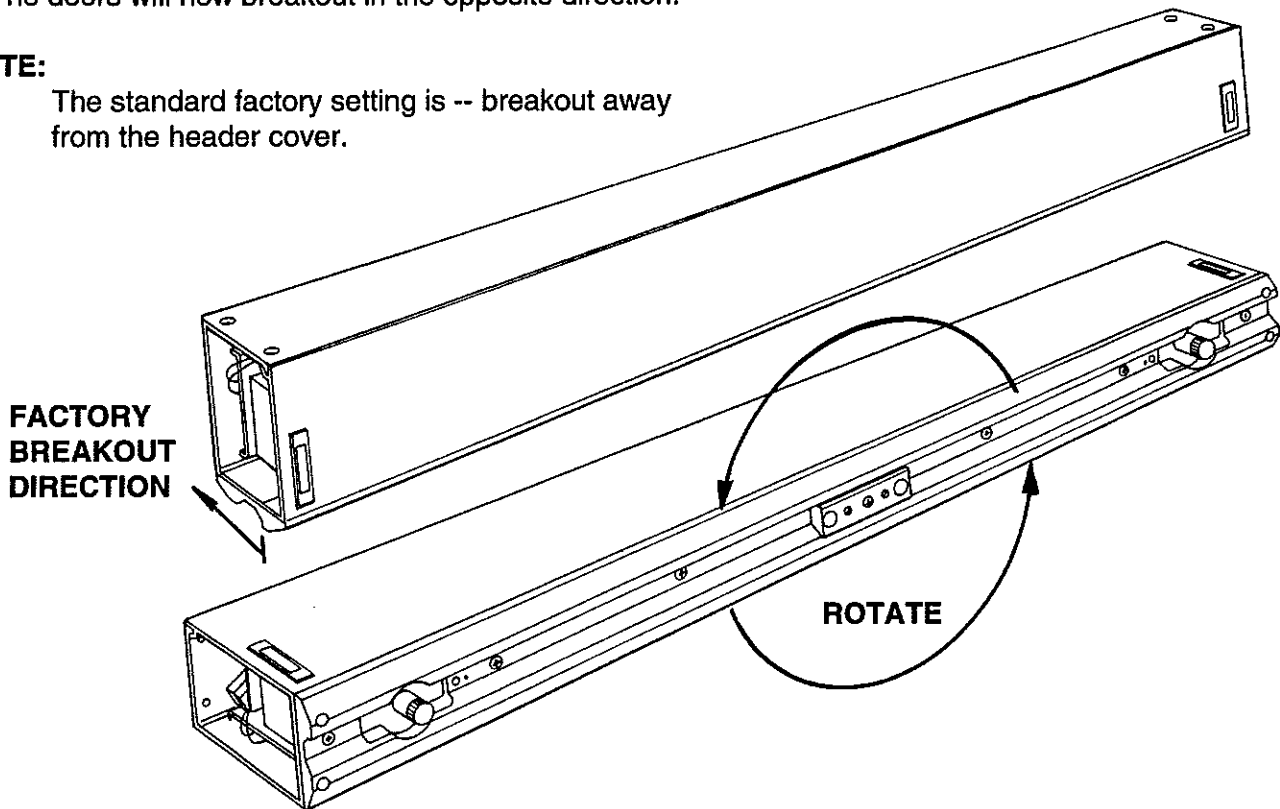


4 PANEL

- a. Rotate the entire track extrusion, as shown. The holes are all symmetrical, therefore, there should not be a need to drill mounting holes.
- b. The doors will now breakout in the opposite direction.

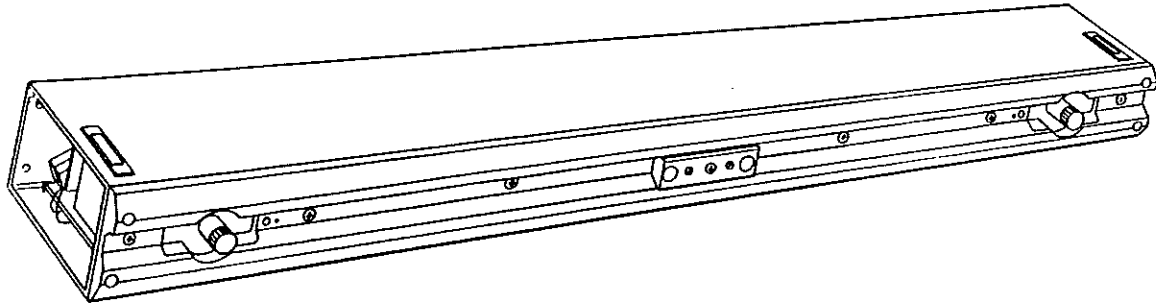
NOTE:

The standard factory setting is -- breakout away from the header cover.

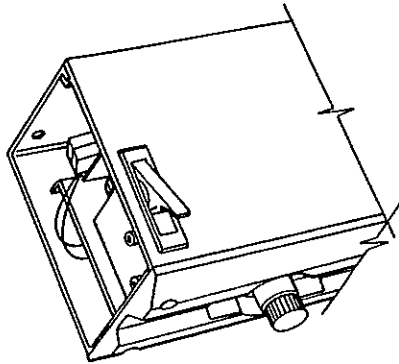


IMPORTANT: REFER TO PAGE 3 FOR BIFOLD AND BREAKOUT CONFIGURATIONS

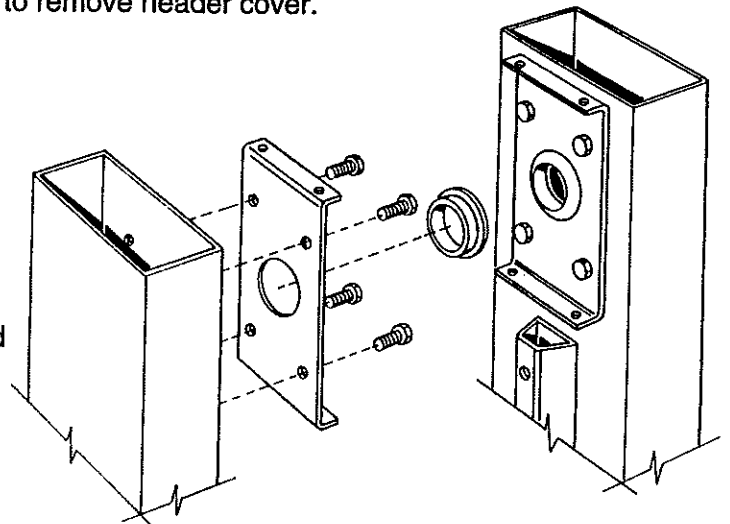
BIFOLD HEADER AND JAMB INSTALLATION



Loosen header cover screws. One screw in each end of header.



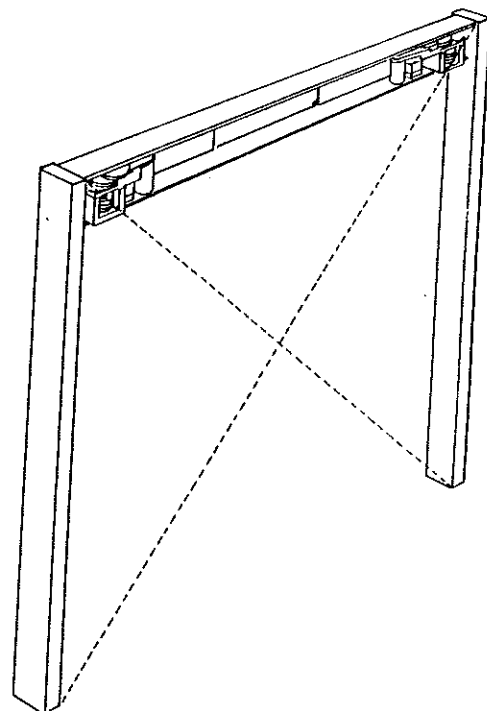
Use handle pull to remove header cover.



1. Header mounting brackets are preassembled at the factory.
2. Slide jamb, with mounting bracket facing the open end of the header, into the header.
3. Secure header to bracket with screws provided.
4. The header contains the operators and control interface boards. Position all wires away from pinch points.

5. Run wire down the jamb for the on/ off/ hold-open switch.

6. Lift header and jamb assembly into the opening. Be sure the cover side of the assembly is positioned in the desired direction.

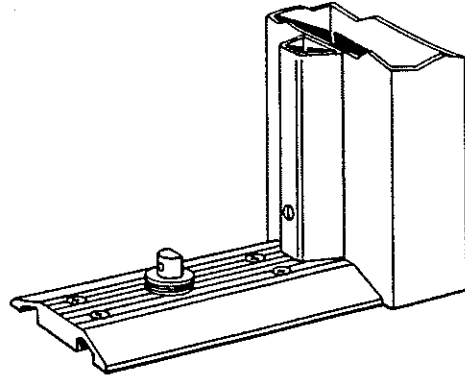


BIFOLD

INSTALL BOTTOM PIVOT(S)

Place pivot threshold plate(s) on centerline of jamb.

Secure plate to the floor with proper fasteners.



ELECTRICAL CONNECTION

1. Connect power through the ribbon cable.

IMPORTANT:

Install grounding lugs with screws and lockwashers provided.

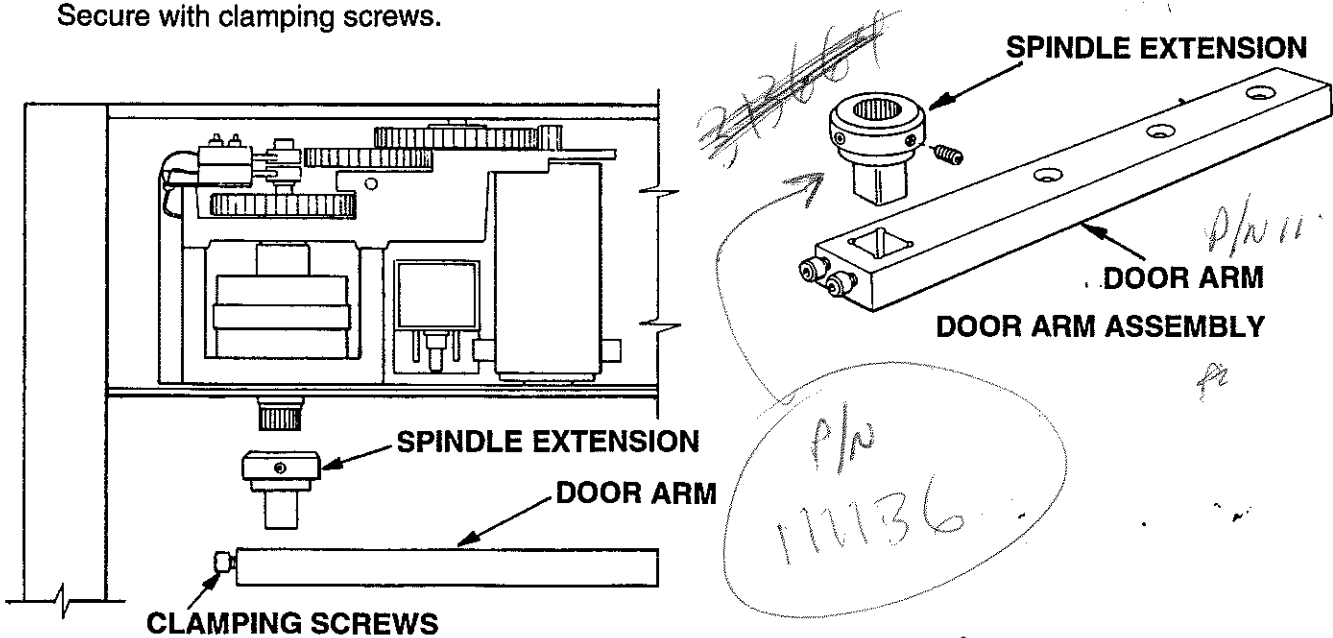
2. Turn power on, jump the signal terminals. (common and operate)

3. The operator spindle will rotate to the full open position.

4. Install the spindle extension and the door arm .

Temporarily install the door arm in its highest position on the spindle extension.

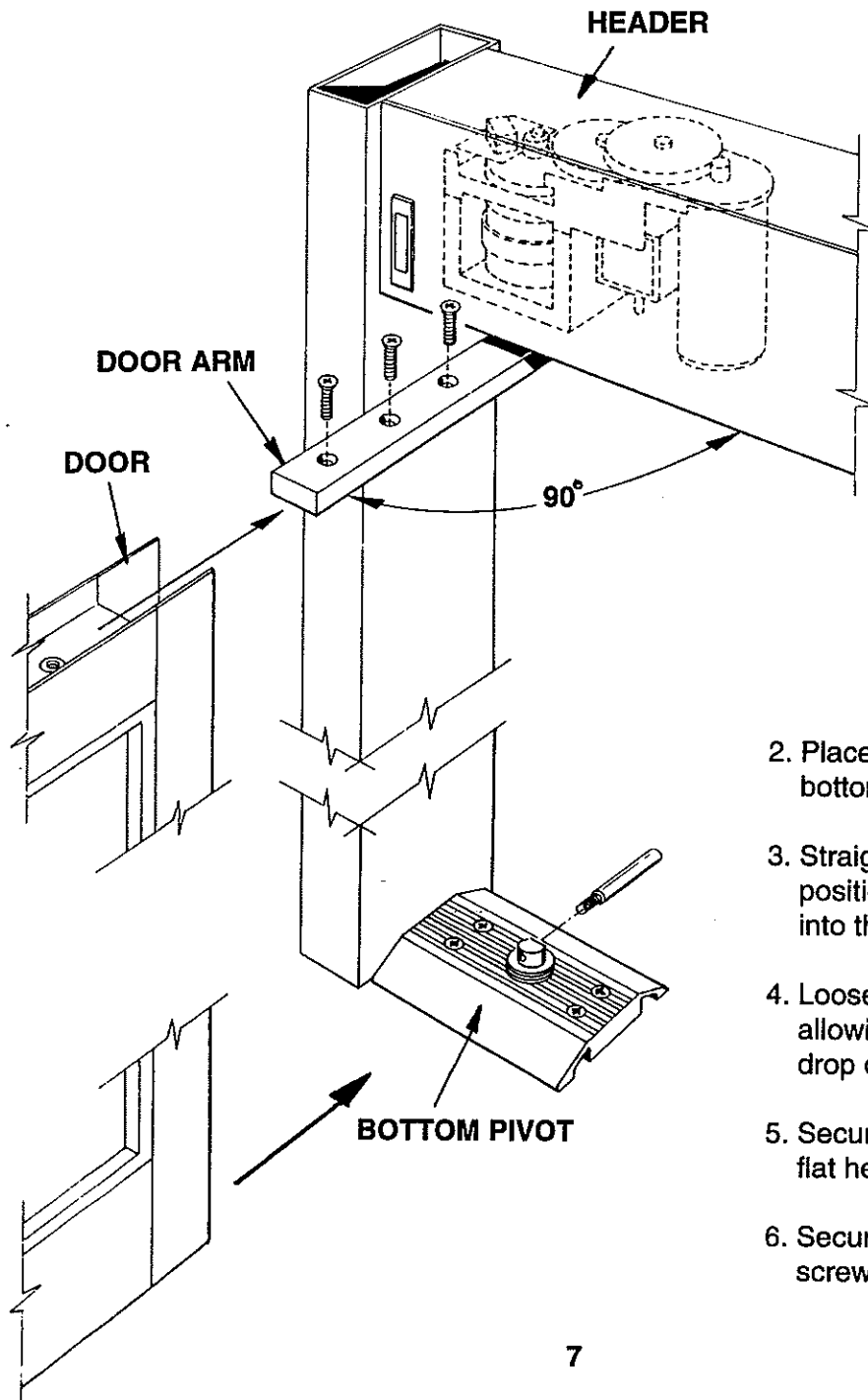
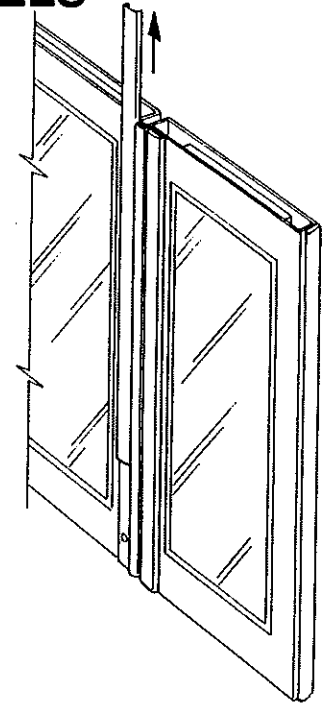
Secure with clamping screws.



5. Position the door arm in the 90 degree full open position.

INSTALL THE DOOR PANELS

1. Remove continuous hinge screw cover(s). Loosen the set screws and slide the cover off the length of the hinge.

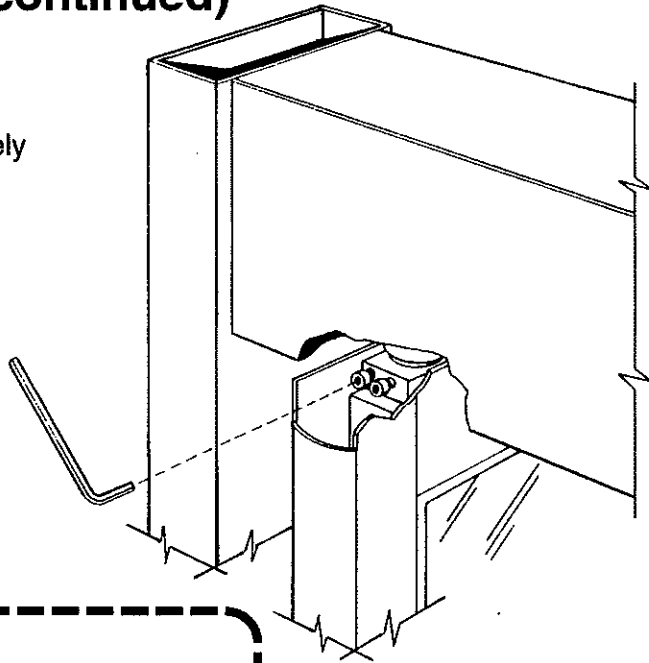


2. Place the heel of the door on the bottom pivot.
3. Straighten the door to the upright position. Guide the door arm into the top web of the door.
4. Loosen the door clamping screws, allowing the door arm to drop down on the top web.
5. Secure the door arm with the three flat head screws provided.
6. Secure bottom pivot with screw provided.

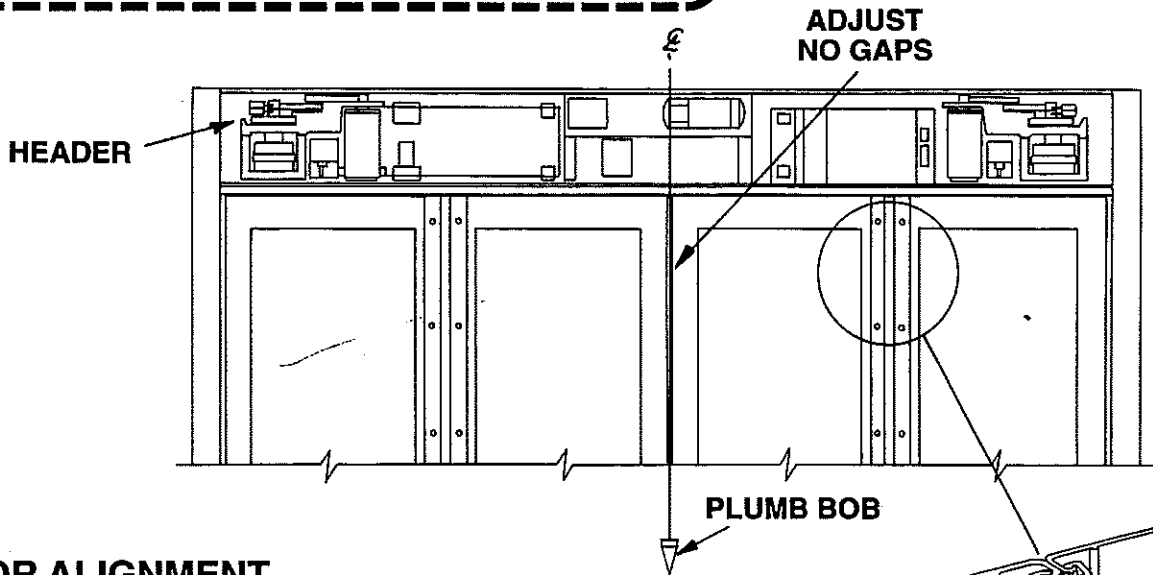
BIFOLD

INSTALL DOOR PANELS (continued)

1. Adjust the bottom pivot to allow approximately 5/16" clearance at the bottom of the door.
Tighten the door arm clamping screws

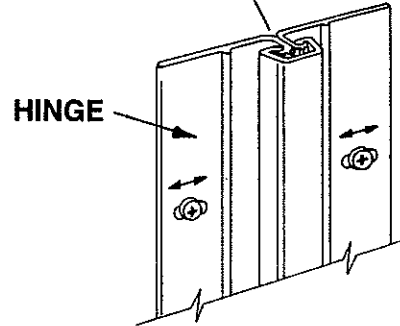


SUGGESTION:
Use Plumb Bob (string with pointed weight at the end) to align doors. Position plumb bob on centerline of the header. Align lead edge of the door(s) with the string.



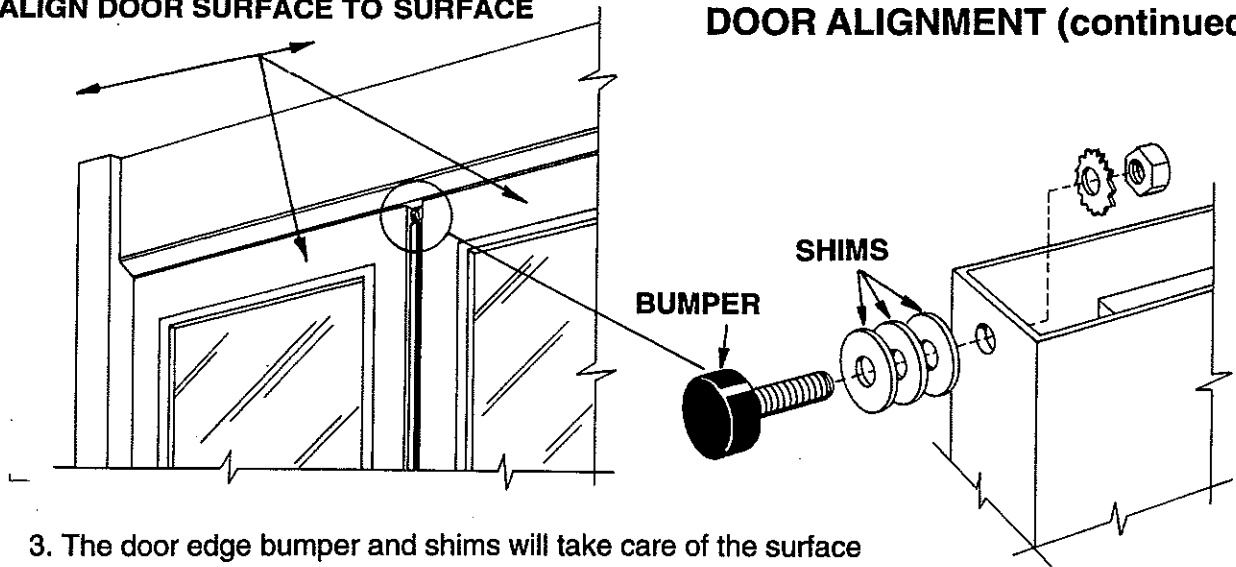
DOOR ALIGNMENT

1. Door adjustment is made at the continuous hinge.
2. The hinge mounting holes are slotted to allow adjustment to eliminate any gap at the lead edge of the door(s). This takes care of the vertical alignment.



ALIGN DOOR SURFACE TO SURFACE

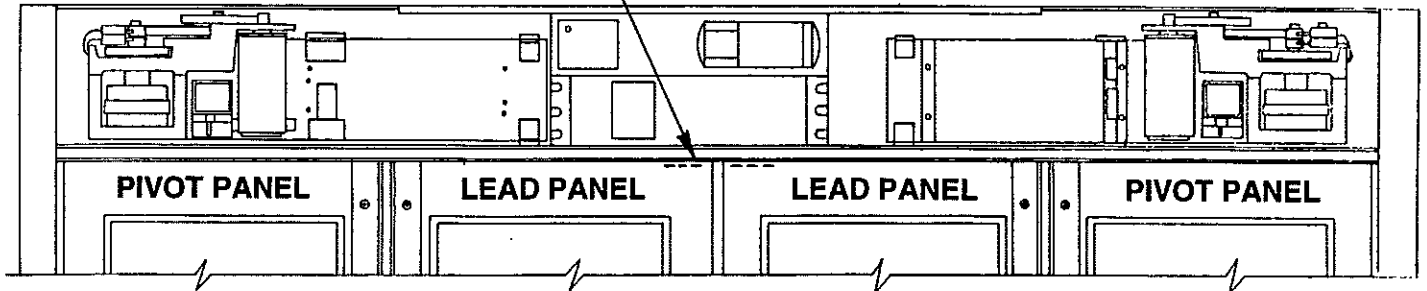
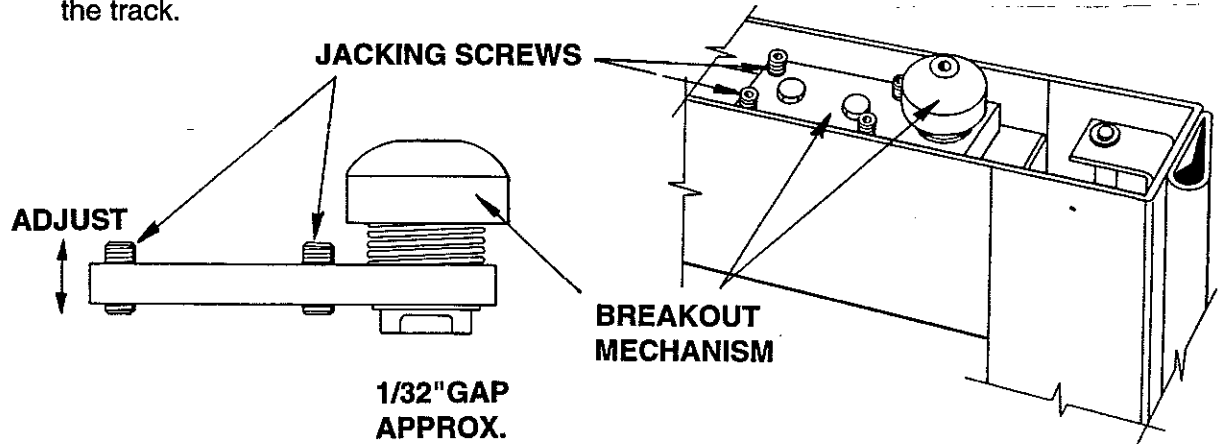
DOOR ALIGNMENT (continued)



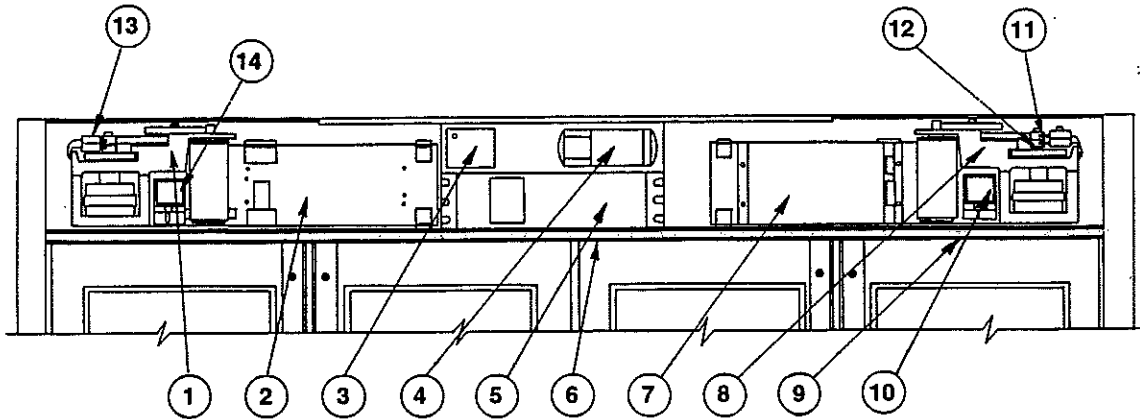
3. The door edge bumper and shims will take care of the surface to surface alignment of the door(s). Add or subtract shims as shown to allow the panels to close flat. Hinge and shim adjustment should be made at the same time.

4. BREAKOUT ADJUSTMENT

The breakout mechanism is located in the top web of the lead panel. The up and down tension adjustment is made by adjusting four *jacking screws*. As a guide, the top of the door should be approximately 1/32" from the surface of the track.



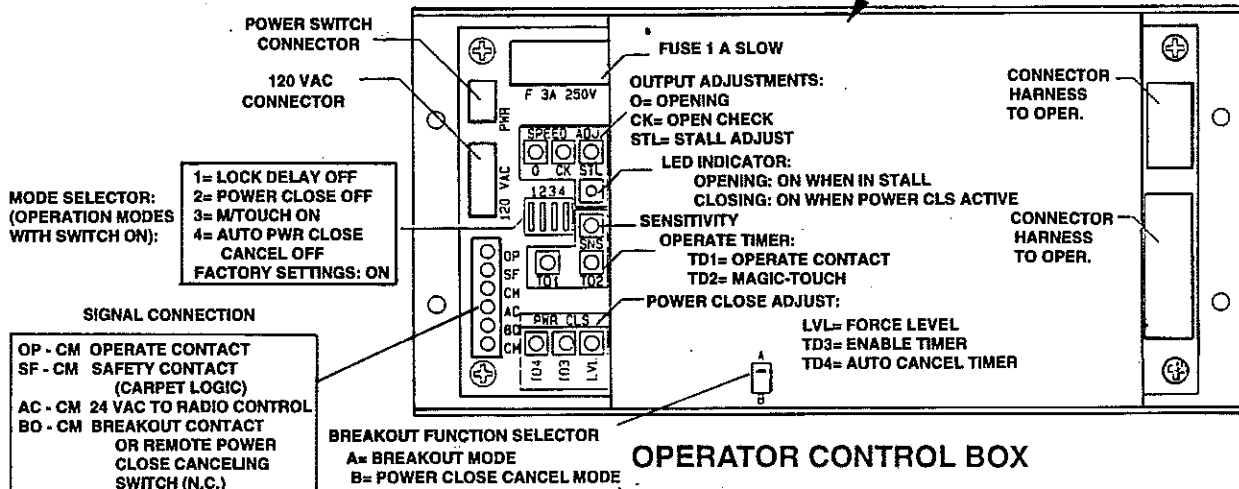
BIFOLD COMPONENT IDENTIFICATION



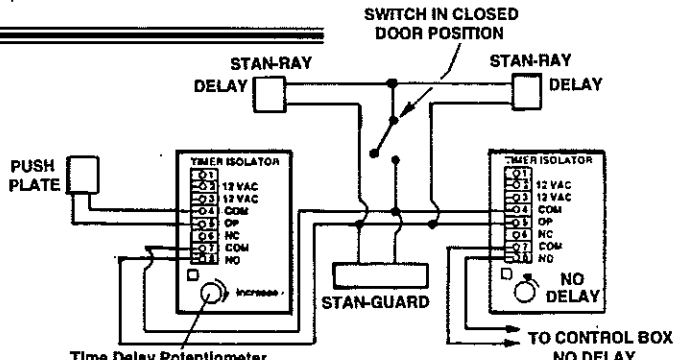
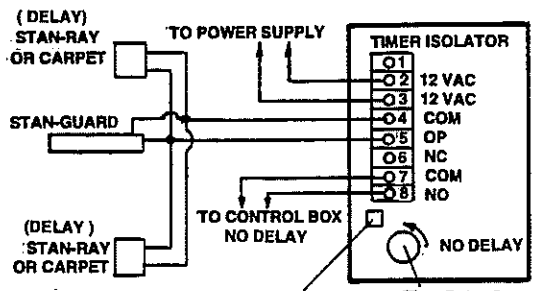
- ① OPERATOR
- ⑤ INTERFACE BD.
- ⑨ SENSOR HSNQ.
- ⑬ MICRO SW (NOT WIRED)
- ② BASE PLATE
- ⑥ CNTR. BLOCK ASM.
- ⑩ CLOSE SPEED ADJ.
- ⑭ CLOSE SPEED ADJ.
- ③ TIMER ISOLATER
- ⑦ CONTROL BOX
- ⑪ OPEN CHECK CAM
- ④ BO. BEAM CNTL.
- ⑧ OPERATOR
- ⑫ CLOSE CHECK CAM

TUNE-IN AND ADJUSTMENT

IMPORTANT: TURN OFF ALL POWER BEFORE MAKING CONNECTIONS.



CONTROLS



CARPET OR STAN-RAY

FOR COMPLETE WIRING DIAGRAM SEE PAGE 11