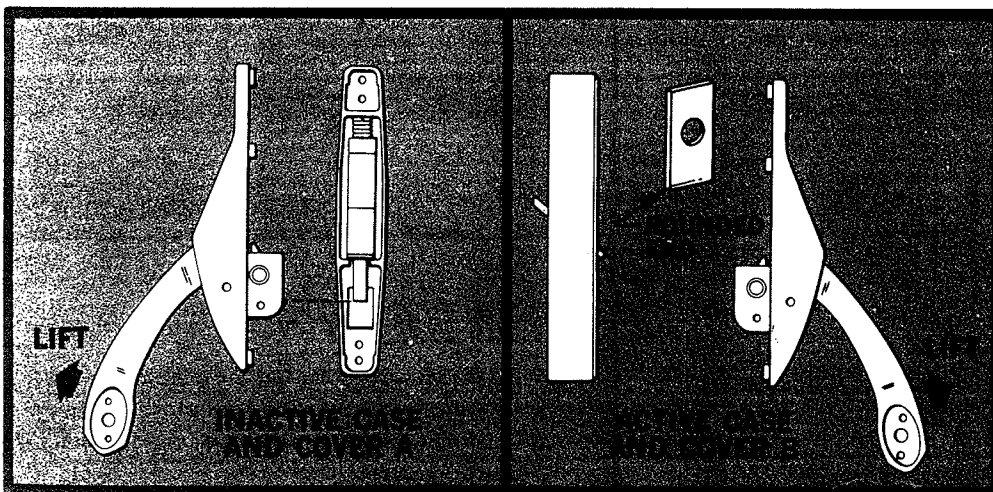


To reposition Case, remove Case so screw holes are of Door, and replace Roll Pin in Case into Rod, parallel.

SHEET



PROCEED WITH FIRST STEP ON FRONT OF SHEET

AND SECURE TOP BOTTOM BOLT

See drawings on reverse side of sheet for parts.

(Socket) MOUNTING, attach mounting Bracket and Bottom Bolt **NOW**.

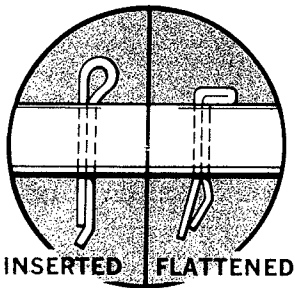
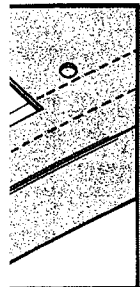
to bottom of stile. Secure with screws from sheet.

holding Case and pushing up on Rod. Push into top of stile and into Bottom Tube. Push down on back of this sheet.

AND BOTTOM TUBE

ing Flange for Active Case so that Bottom Tube PRESS BOTTOM BOLT FROM BOTTOM. Top Latch is retracted. Drill $\frac{1}{8}$ " diameter hole in Bottom Tube as shown. Insert Pin through hole and secure with PIN HEAD COMPLETELY. HANG DOOR.

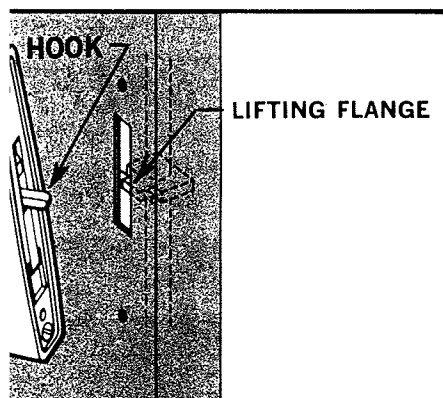
ATTEN HEAD COMPLETELY



CASE

finished, back out screw and remove case. (See illustration at left)

Look under Lifting Flange. Secure with

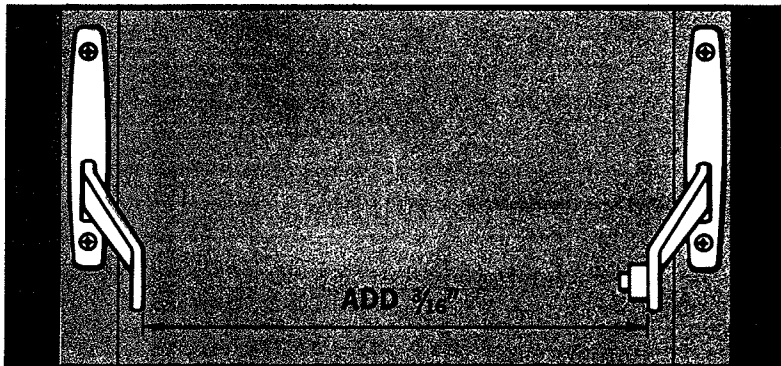


N

ver to be sure Top Latch and Bottom Bolt main retracted when lever is released. Check flush with bottom of door, Check

7 INSTALL CROSS-BAR

Measure distance between bottom of levers as shown. Add $\frac{3}{16}$ " to this dimension and cut Cross-Bar to this measurement. Remove burrs on inside and outside of bar.



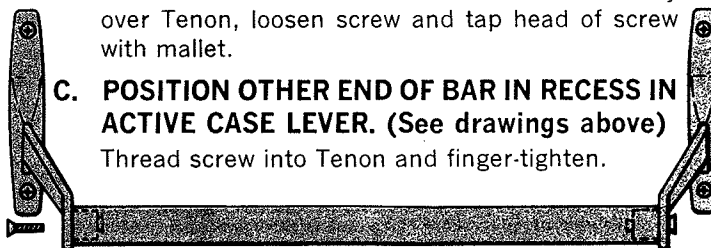
A. PLACE TENON IN CROSS-BAR

Place Tenon removed from Active Case into end of Cross-Bar so it is just flush with end of bar.



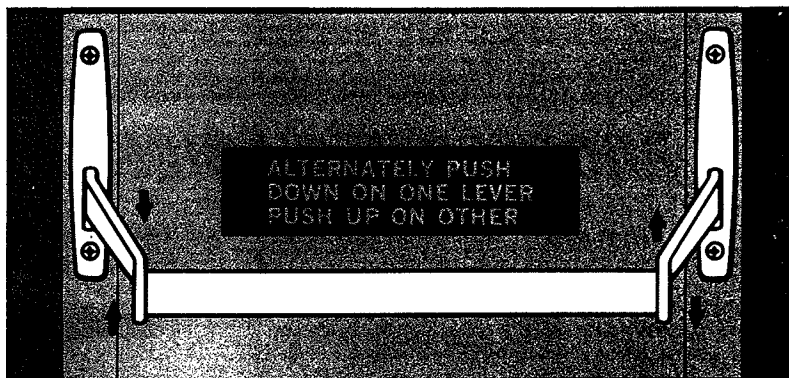
B. PLACE OPEN END OF BAR OVER TENON SECURED TO INACTIVE CASE LEVER

Set bar into recess in Lever. If bar won't fit easily over Tenon, loosen screw and tap head of screw with mallet.



C. POSITION OTHER END OF BAR IN RECESS IN ACTIVE CASE LEVER. (See drawings above)

Thread screw into Tenon and finger-tighten.



D. SEAT BAR IN LEVER

Rock Cross-Bar by alternately pushing down on one lever while lifting on other. This rocking will assure line-up of 2 Tenon pins in holes in lever. **TIGHTLY SECURE SCREWS USING SCREWDRIVER THROUGH BOW OF DOGGING KEY FURNISHED.**



IF AFTER COMPLETION OF INSTALLATION, CROSS-BAR DOES NOT WORK FREELY, CHECK INSTALLATION FOR BINDING OF LEVERS DUE TO IMPROPER BAR LENGTH OR CASE MISALIGNMENT.

2 INSERT RODS AND SEC LATCHES AND BOTTOM

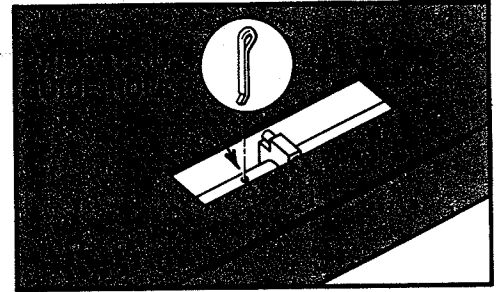
BEFORE INSERTING — See drawings or for proper positioning of all parts.

- A. If using CONCEALED (bracket) MOUNT brackets to cases of Top Latch and Bottom Latch.
- B. SLIDE BOTTOM TUBE into bottom of stile as shown on back of this sheet.
- C. RETRACT TOP LATCH by holding Case a INSERT TOP LATCH ROD into top of stile Secure with screws as shown on back of

3 PIN TOP ROD AND BO

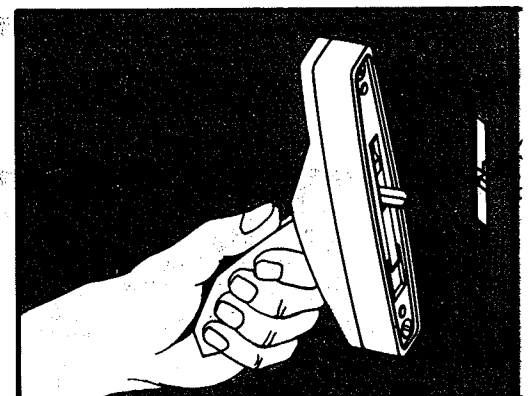
Using access hole, raise Lifting Flange for Act Bolt is fully retracted. DO NOT PRESS BOTTOM OF DOOR. Be sure that Top Latch is retracted hole through Rod and Tube using pre-drilled guide. Insert Hammer-Lock Cotter Pin through punch and hammer. FLATTEN PIN HEAD COM

INSERT COTTER PIN AND FLATTEN HEAD (



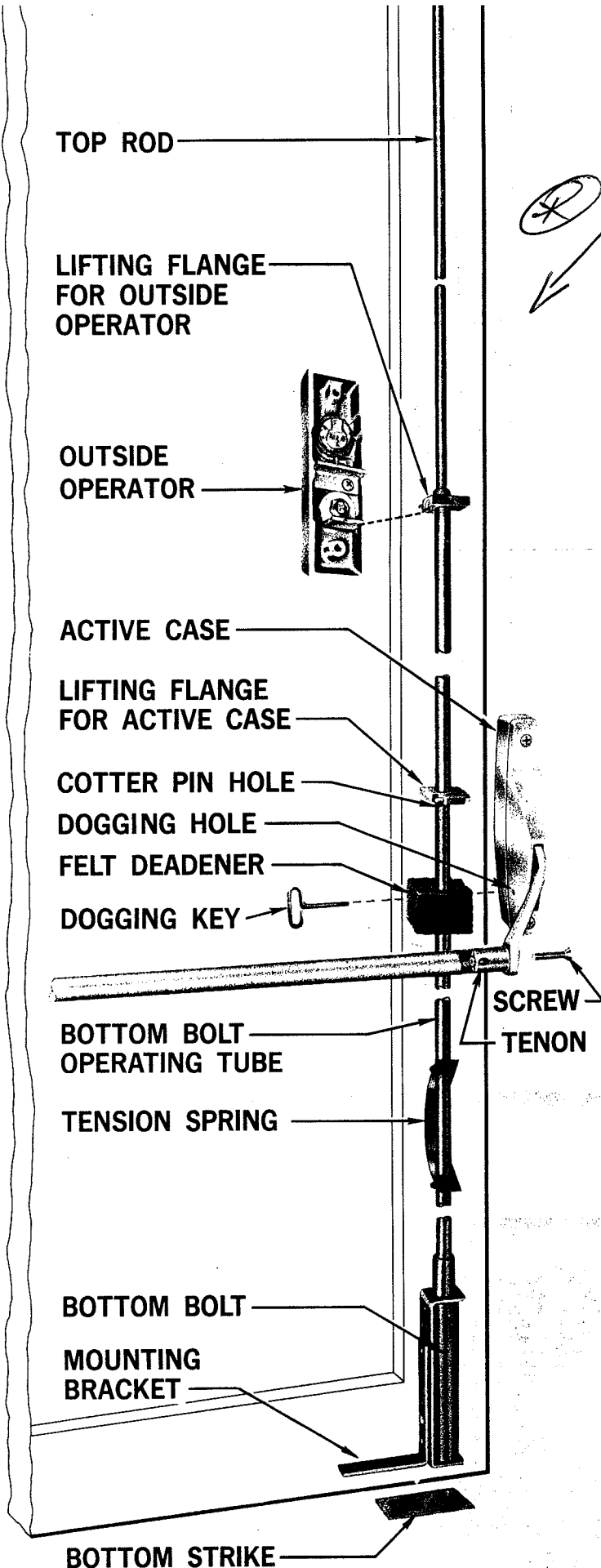
4 INSTALL ACTIVE CASE

Undog cases. Using Key furnished, back tenon from Active Case Lever. (See illustration) Mount Active Case, engaging hook under Lifting screws furnished.



5 TEST OPERATION

Push down on Active Case Lever to be sure Bolt retract completely and remain retracted. If Bottom Bolt does not retract flush with Third Step procedure.



INSTALLATION INSTRUCTIONS

CONCEALED ROD FIRE EXIT DEVICES METAL AND NARROW LINE ALUMINUM DOORS

BOLT NOS.
4061, 4062, 4063, 4064
CH641, CH642, CH643,
U indicates U.L. Listed
MR indicates Master Ring (

BEFORE PROCEEDING

**CHECK HAND OF FIXTURE. IF HAND NEEDS REVERSING
SEE REVERSE SIDE OF SHEET:**

1 PREPARE DOOR AND FRAME IF NOT ALREADY FULLY PREPARED

Follow template furnished and drawings on reverse side of sheet.

2 INSERT RODS AND SECURE TOP LATCHES AND BOTTOM BOLT

BEFORE INSERTING — See drawings on reverse side of sheet for proper positioning of all parts.

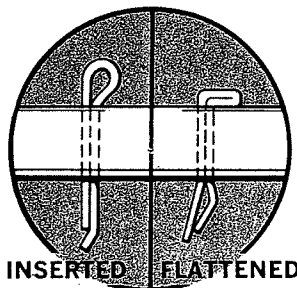
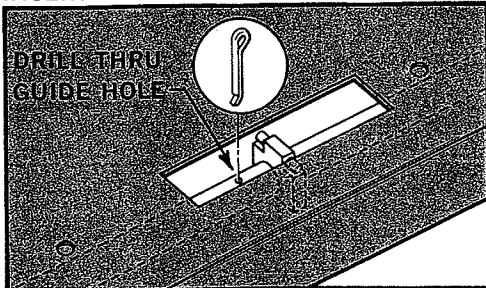
- A. If using CONCEALED (bracket) MOUNTING, attach mounting brackets to cases of Top Latch and Bottom Bolt **NOW**.
- B. SLIDE BOTTOM TUBE into bottom of stile. Secure with screws as shown on back of this sheet.
- C. RETRACT TOP LATCH by holding Case and pushing up on Rod. INSERT TOP LATCH ROD into top of stile and into Bottom Tube. Secure with screws as shown on back of this sheet.

3 PIN TOP ROD AND BOTTOM TUBE

Using access hole, raise Lifting Flange for Active Case so that Bottom Bolt is fully retracted. DO NOT PRESS BOTTOM BOLT FROM BOTTOM OF DOOR. Be sure that Top Latch is retracted. Drill 1/8" diameter hole through Rod and Tube using pre-drilled hole in Bottom Tube as guide. Insert Hammer-Lock Cotter Pin through hole and secure with punch and hammer. FLATTEN PIN HEAD COMPLETELY. HANG DOOR.

CRITICAL

INSERT COTTER PIN AND FLATTEN HEAD COMPLETELY

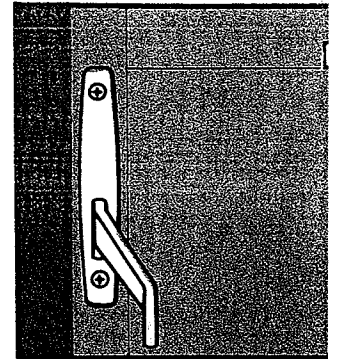


4 INSTALL ACTIVE CASE

Undog cases. Using Key furnished, back out screw and remove tenon from Active Case Lever. (See illustration at left) Mount Active Case, engaging hook under Lifting Flange. Secure with screws furnished.

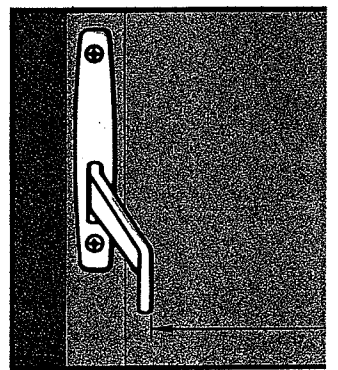
6 INSTALL INAC

Place Case in position. Lev 1/4-20 Screws and mount.



7 INSTALL CROSS

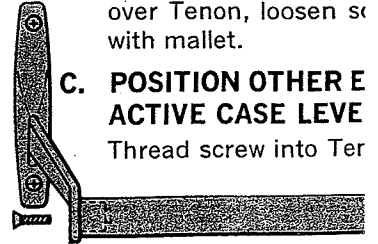
Measure distance between this dimension and cut C burrs on inside and outside



A. PLACE TENON IN
Place Tenon removed it is just flush with en



B. PLACE OPEN END SECURED TO INAC
Set bar into recess in over Tenon, loosen s with mallet.



C. POSITION OTHER E ACTIVE CASE LEVE
Thread screw into Ter



(INSTRUCTIONS ON REVERSE SIDE)

CHECK POSITION OF PARTS FOR HAND OF YOUR DOOR

SCREWS FURNISHED			
SCREW THREAD	TAP DRILL	WHERE USED	
10-32	No. 21	Bottom and Top Mounting Brackets CONCEALED BRACKET MOUNTING TOP LATCH & BOTTOM BOLT CASES (Exposed Screw Mounting)	
10-32			
8-32	No. 29 No. 7	Top Strike Active and Inactive Cases Bottom Strike	
1/4-20			
1/4-20 & Anchor			
10-24 SELF-TAPPING	TAP DRILL	% THREAD	OUTSIDE OPERATOR
	18	75%	
	1 1/64	70%	
	17	65%	
	16	55%	

TO REVERSE HAND OF FIXTURE

IF HAND DOES NOT NEED REVERSING, PROCEED WITH

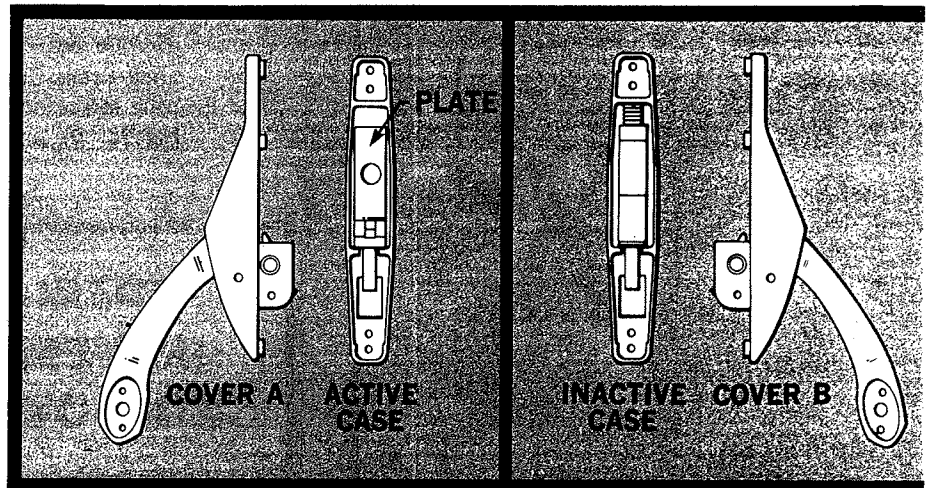
A. REMOVE CASE COVERS

Remove the top and bottom screw at the back of each case.

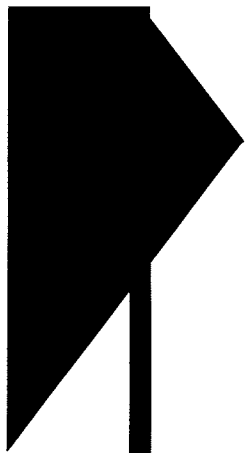
**Corbin
Russwin**

In U.S.:
Corbin Russwin, Inc.
225 Episcopal Road
Berlin, CT 06037 USA
Phone: 860-225-7411 Fax: 860-828-7266

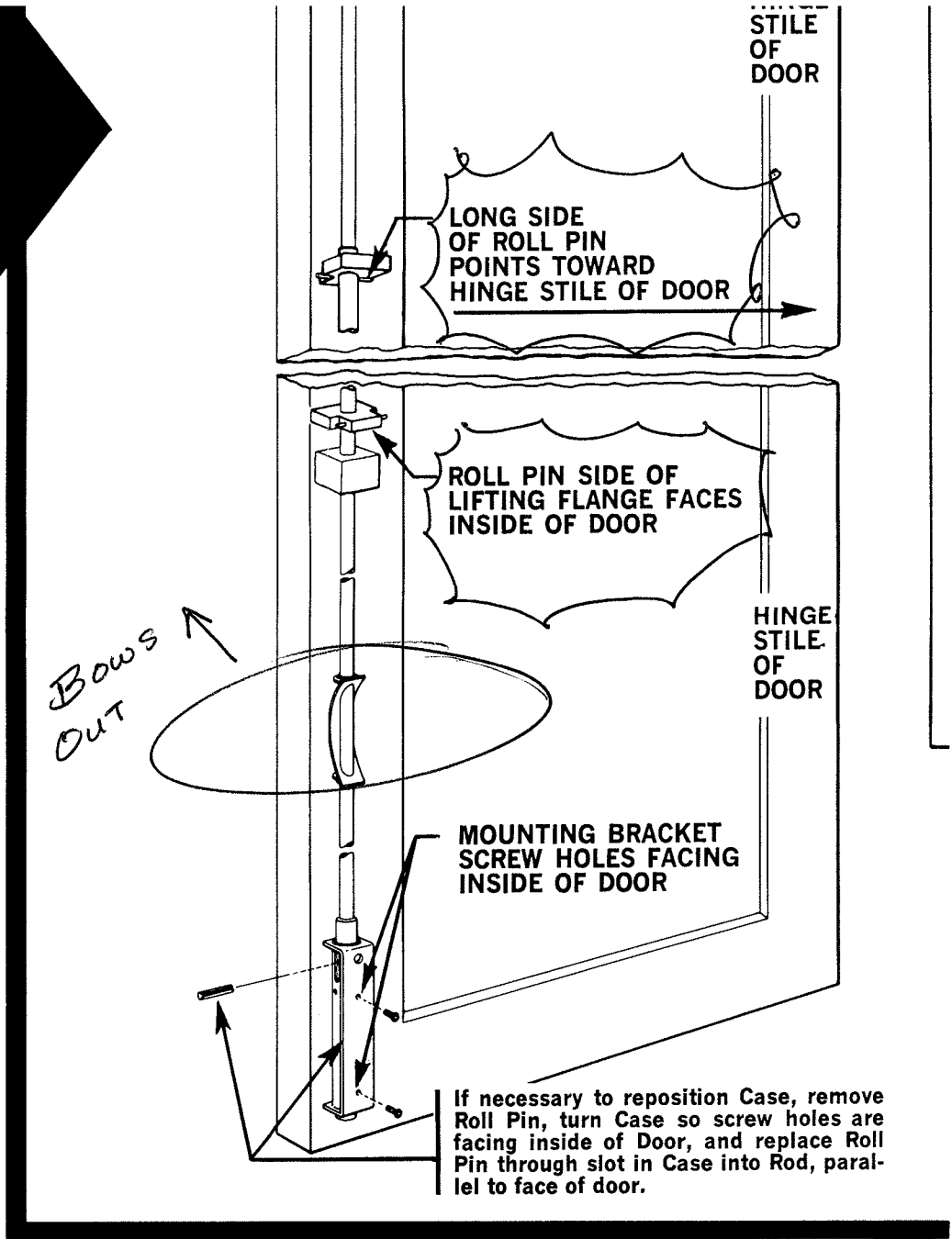
In Canada:
Yale-Corbin Canada LTD.
3160 Orlando Drive
Mississauga, Ontario, Canada L4V1R5
Phone: 905-672-6220 Fax: 905-672-9022



EVERSE SIDE)
TION OF
IAND OF
DOOR

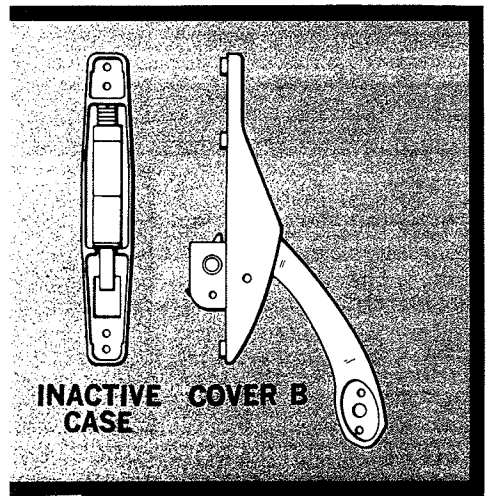


USED
Mounting Brackets SOCKET MOUNTING BOTTOM BOLT CASES (Mounting)
Cases
OPERATOR



E

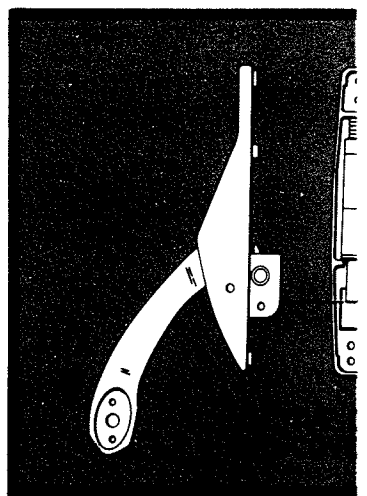
, PROCEED WITH FIRST STEP ON FRONT OF SHEET



B. SWITCH CASE COVERS AND REASSEMBLE

1. Place Cover from present Active Case (A) on Inactive Case, engaging Lifting Finger with bottom of Slide.
2. Place Cover from Inactive Case (B) on Active Case, engaging Lifting Finger with bottom of Slide. Be sure that nylon button on back of cover fits into hole in plate.

Be sure that Plate with Hole in it is Positioned in Active Case, as shown, with Rounded End Down.



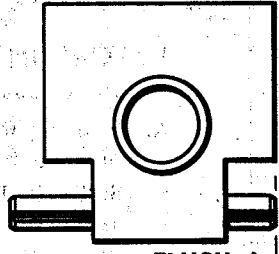
TING

2 FOR CONCEALED SCREW (BRACKET) MOUNTING

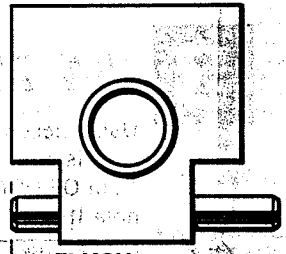
CRITICAL

LHRB SHOWN RHRB OPPOSITE

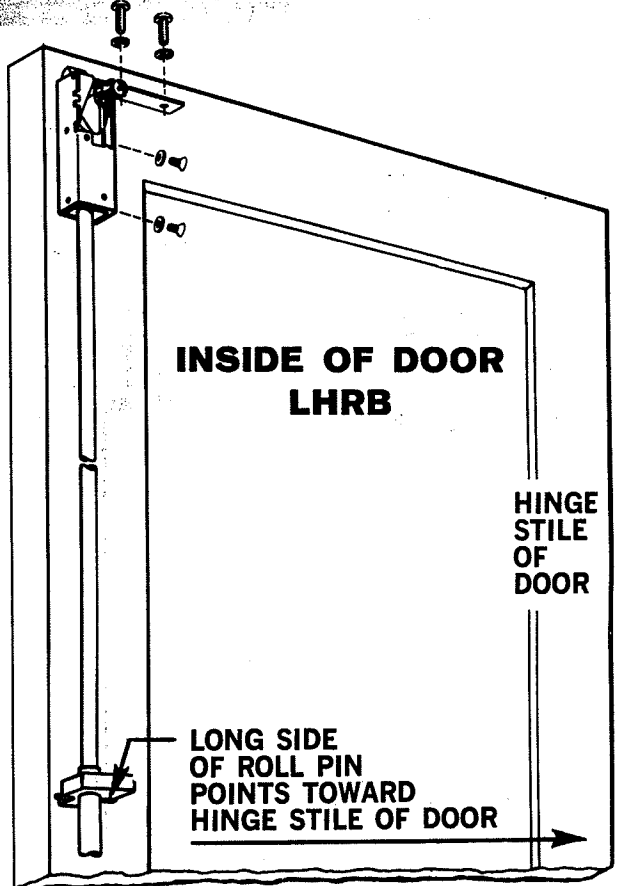
TO CHANGE TO OPPOSITE HAND HAMMER PIN TO OPPOSITE SIDE OF FLANGE



LHRB



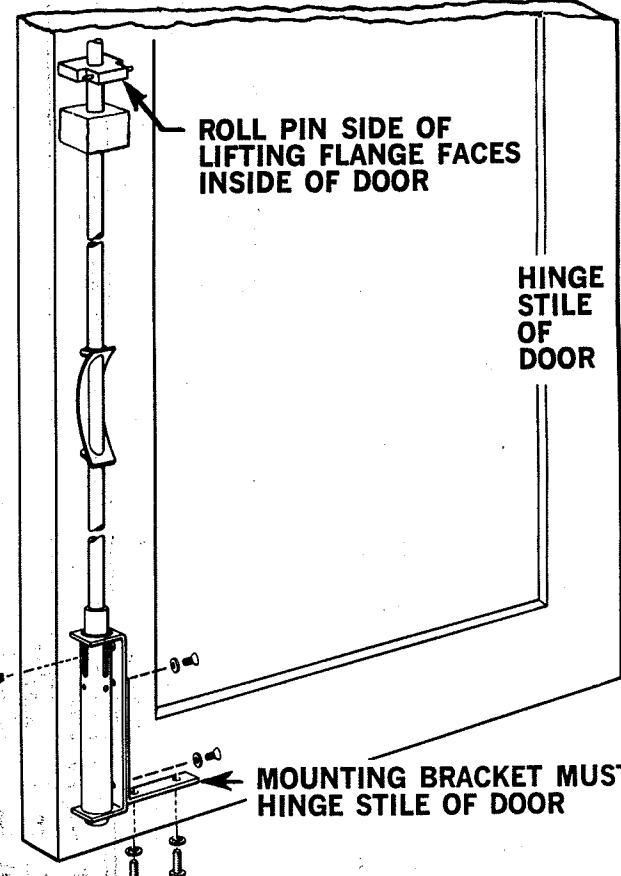
RHRB



INSIDE OF DOOR LHRB

HINGE STILE OF DOOR

LONG SIDE OF ROLL PIN POINTS TOWARD HINGE STILE OF DOOR

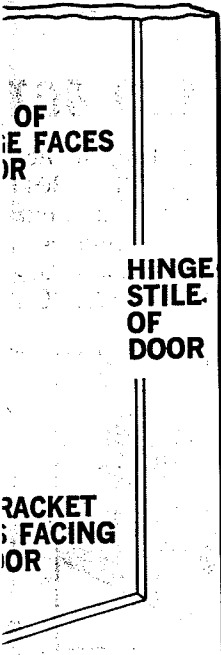
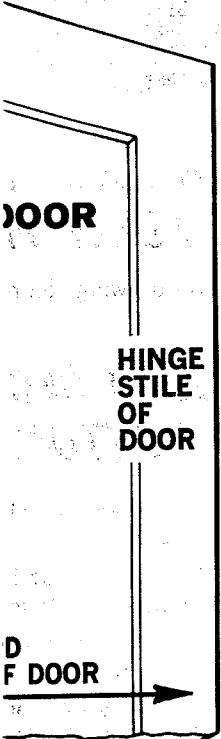


ROLL PIN SIDE OF LIFTING FLANGE FACES INSIDE OF DOOR

HINGE STILE OF DOOR

MOUNTING BRACKET MUST FACE HINGE STILE OF DOOR

ROLL PIN MUST BE PARALLEL TO FACE OF DOOR



reposition Case, remove case so screw holes are in Door, and replace Roll in Case into Rod, paral-

1 FOR EXPOSED SCREW MOUNTING

2

LHRB
SHOWN
RHRB
OPPOSITE

INSIDE OF DOOR
LHRB

HINGE
STILE
OF
DOOR

LONG SIDE
OF ROLL PIN
POINTS TOWARD
HINGE STILE OF DOOR

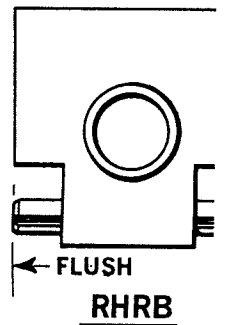
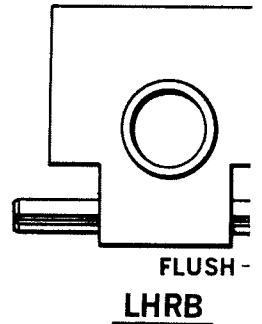
ROLL PIN SIDE OF
LIFTING FLANGE
FACES
INSIDE OF DOOR

HINGE
STILE
OF
DOOR

MOUNTING BRACKET
SCREW HOLES
FACING
INSIDE OF DOOR

If necessary to reposition Case, remove Roll Pin, turn Case so screw holes are facing inside of Door, and replace Roll Pin through slot in Case into Rod, parallel to face of door.

TO CHANGE
OPPOSITE HA
HAMMER PIN
OPPOSITE SID
OF FLANGE



INSTRUCTIONS FOR INSTALLING
**REVERSIBLE CONCEALED ROD
 FIRE EXIT DEVICES***
 FOR HOLLOW METAL AND NARROW LINE ALUMINUM DOORS

NOS. 4061, 4062, 4063, 4068, CH641, CH642, CH643, CH648

U indicates U.L. Listed; MR indicates Master Ring Cylinder.

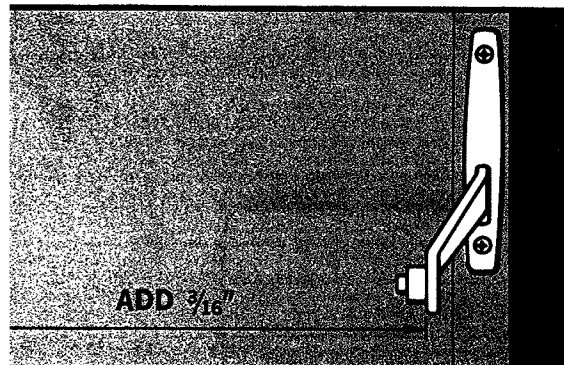
BEFORE INSTALLING
 (INSTRUCTIONS ON REVERSE SIDE)
**CHECK POSITION OF
 PARTS FOR HAND OF
 YOUR DOOR**

SCREWS FURNISHED		
SCREW THREAD	TAP DRILL	WHERE USED
10-32	No. 21	Bottom and Top Mounting Brackets CONCEALED BRACKET MOUNTING
10-32		TOP LATCH & BOTTOM BOLT CASES (Exposed Screw Mounting)
8-32	No. 29	Top Strike
1/4-20	No. 7	Active and Inactive Cases
1/4-20 & Anchor		Bottom Strike
	TAP DRILL	% THREAD
10-24	18	75%
SELF-TAPPING	1 1/64	70%
	17	65%
	16	55%
		OUTSIDE OPERATOR

TO REVERSE HAND OF FIXTURE

CROSS-BAR

between bottom of levers as shown. Add $\frac{3}{16}$ " to
cut Cross-Bar to this measurement. Remove
outside of bar.



IN CROSS-BAR

moved from Active Case into end of Cross-Bar so
with end of bar.

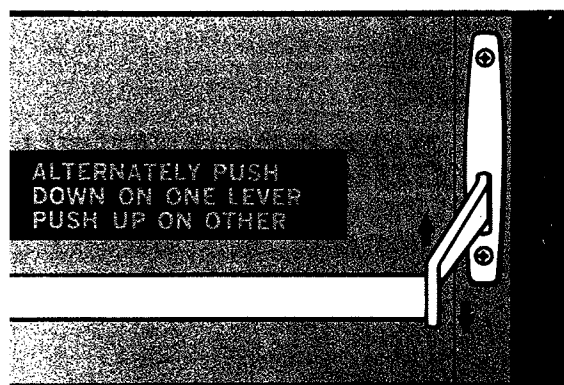


END OF BAR OVER TENON INACTIVE CASE LEVER

press in Lever. If bar won't fit easily
loosen screw and tap head of screw

OTHER END OF BAR IN RECESS IN LEVER. (See drawings above)

into Tenon and finger-tighten.

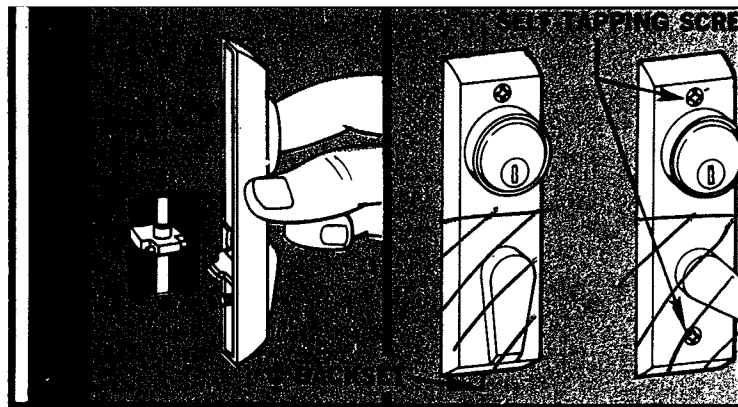


LEVER

by alternately pushing
lever while lifting on other.
Assure line-up of 2 Tenon
on lever. TIGHTLY SECURE
SCREWDRIVER THROUGH
ING KEY FURNISHED.

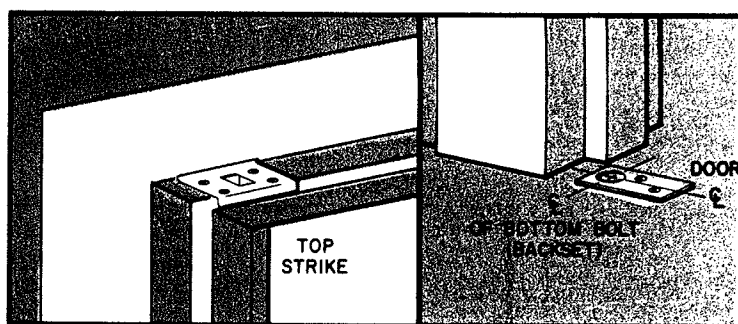


PLETION OF INSTALLATION, CROSS-BAR DOES
EELY, CHECK INSTALLATION FOR BINDING OF
O IMPROPER BAR LENGTH OR CASE MISALIGN-



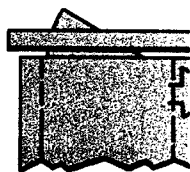
9 INSTALL STRIKES

Apply Top Strike on header with screws furnished. If not using the
old, mortise Bottom Strike into floor, lining up with Bolt Center
With metal threshold, drill $\frac{7}{8}$ " hole in threshold in line with Center
Line of Bottom Bolt.



10 ADJUST PLUNGER SCREW

When door is closed against Top Strike, Plunger
Screw releases Top Latch and Bottom Bolt.
Adjust so that when door is shut tight, screw
head just touches Strike.



JUST TO

11 TEST OPERATION

From Outside — When door is opened by turning Operator Lever
Top Latch and Bottom Bolt should retract and stay retracted
Plunger Screw is pushed in.

From Inside — When door is opened by depressing Cross-Bar,
Latch and Bottom Bolts should retract, and stay retracted
Plunger Screw is pushed in.

Lock Cross-Bar in dogged down position. Latch and Bolt should
fully retracted.

(NOTE: No dogging feature on "U" Series.)

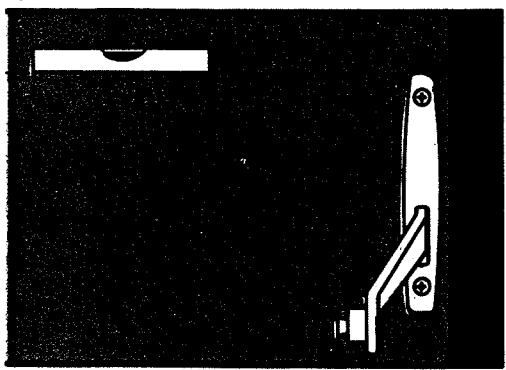
NOTE:
REVERSING INSTRUCTIONS
ON OTHER SIDE OF SHEET.

068
13, CH648

ing Cylinder.

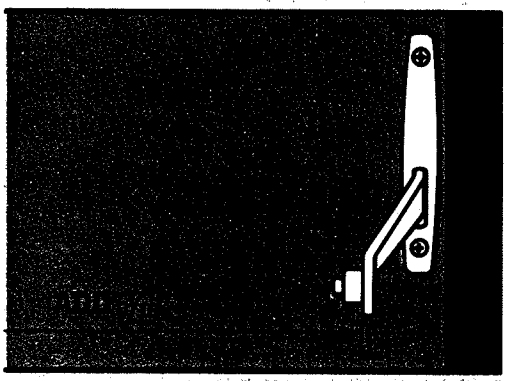
ACTIVE CASE

Level with Active Case. Drill and tap for No.



CROSS-BAR

Open bottom of levers as shown. Add 3/16" to Cross-Bar to this measurement. Remove side of bar.



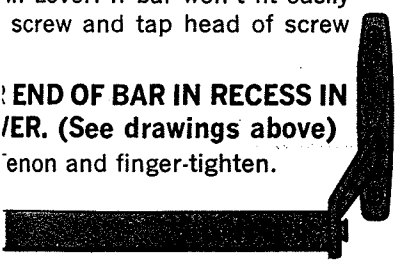
CROSS-BAR

Slide from Active Case into end of Cross-Bar so end of bar.



END OF BAR OVER TENON ACTIVE CASE LEVER

Insert in Lever. If bar won't fit easily, use screw and tap head of screw.



END OF BAR IN RECESS IN LEVER. (See drawings above)

Insert tenon and finger-tighten.

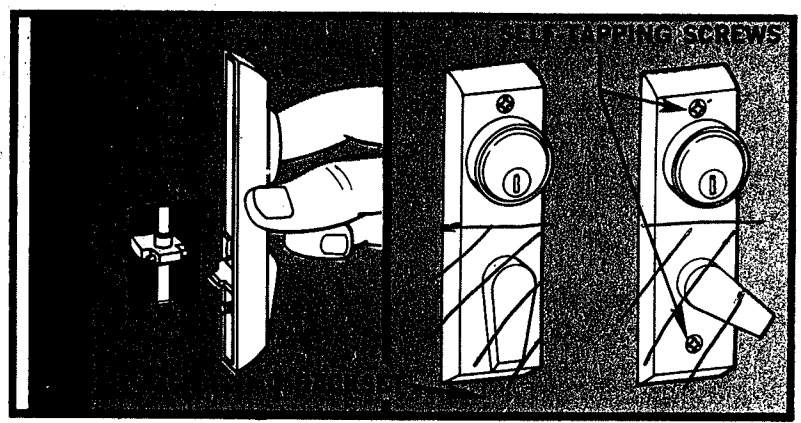


8 INSTALL OUTSIDE OPERATOR

Following template furnished, mark bolt backset on OUTSIDE OF door. Press in Top Latch Plunger Screw to project Top Latch and Bottom Bolt. Put Operator in locked position. Center Operator on backset line so TOP SIDE OF LIFTING LEVER contacts UNDERSIDE OF Auxiliary Lifting Flange. Spot door through hole at top of Operator and drill starting hole with No. 18 drill for self-tapping screw. Mount operator with screws furnished. Unlock operator and swing operator lever to the side retracting latch and bolt. Spot and drill hole with No. 18 drill for self-tapping screw. Secure.

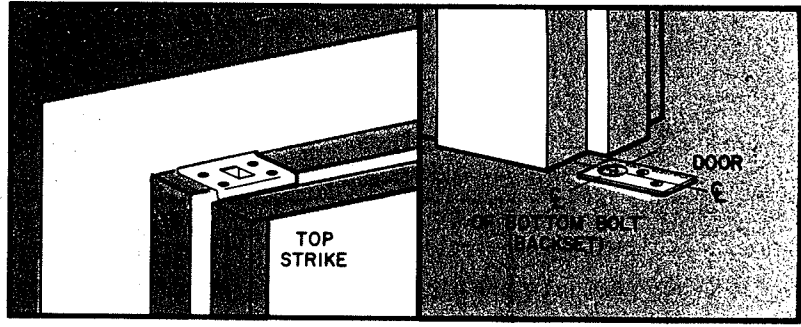
NOTE: If door offers too much resistance to self-tapping screw, use next larger drill (See chart).

SIZE	% THREAD
No. 18	75%
1 1/64"	70%
No. 17	65%
No. 16	55%



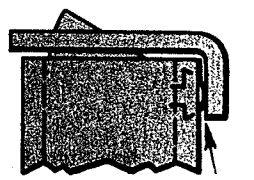
9 INSTALL STRIKES

Apply Top Strike on header with screws furnished. If not using threshold, mortise Bottom Strike into floor, lining up with Bolt Center Line. With metal threshold, drill 7/8" hole in threshold in line with Center Line of Bottom Bolt.



10 ADJUST PLUNGER SCREW

When door is closed against Top Strike, Plunger Screw releases Top Latch and Bottom Bolt. Adjust so that when door is shut tight, screw head just touches Strike.



JUST TOUCH

11 TEST OPERATION

INSTALLATION INSTRUCTIONS

CONCEALED ROD FIRE EXIT DEVICES* AND NARROW LINE ALUMINUM DOORS

BOLT NOS.

4061, 4062, 4063, 4068

CH641, CH642, CH643, CH648

U indicates U.L. Listed

MR indicates Master Ring Cylinder.

BEFORE PROCEEDING

REVERSE SIDE OF SHEET.

PREPARE DOOR AND FRAME IF NOT ALREADY FULLY PREPARED

Follow template furnished and drawings on reverse side of sheet.

INSERT RODS AND SECURE TOP LATCHES AND BOTTOM BOLT

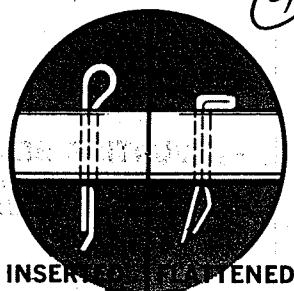
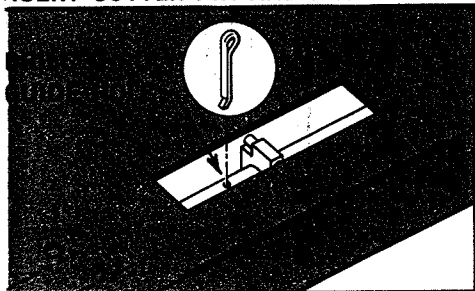
BEFORE INSERTING — See drawings on reverse side of sheet for proper positioning of all parts.

1. If using CONCEALED (bracket) MOUNTING, attach mounting brackets to cases of Top Latch and Bottom Bolt **NOW**.
2. RETRACT TOP LATCH by holding Case and pushing up on Rod. INSERT TOP LATCH ROD into top of stile and into Bottom Tube. Secure with screws as shown on back of this sheet.
3. SLIDE BOTTOM TUBE into bottom of stile. Secure with screws as shown on back of this sheet.

PIN TOP ROD AND BOTTOM TUBE

Using access hole, raise Lifting Flange for Active Case so that Bottom Bolt is fully retracted. DO NOT PRESS BOTTOM BOLT FROM BOTTOM OF DOOR. Be sure that Top Latch is retracted. Drill 1/8" diameter hole through Rod and Tube using pre-drilled hole in Bottom Tube as guide. Insert Hammer-Lock Cotter Pin through hole and secure with punch and hammer. FLATTEN PIN HEAD COMPLETELY. HANG DOOR.

INSERT COTTER PIN AND FLATTEN HEAD COMPLETELY



INSTALL ACTIVE CASE

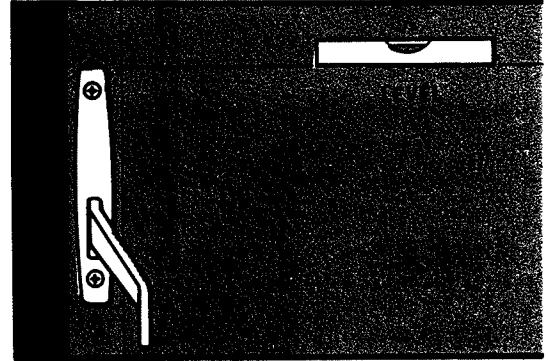
Indog cases. Using Key furnished, back out screw and remove Tenon from Active Case Lever. (See illustration at left)

Mount Active Case, engaging hook under Lifting Flange. Secure with screws furnished.

6

INSTALL INACTIVE CASE

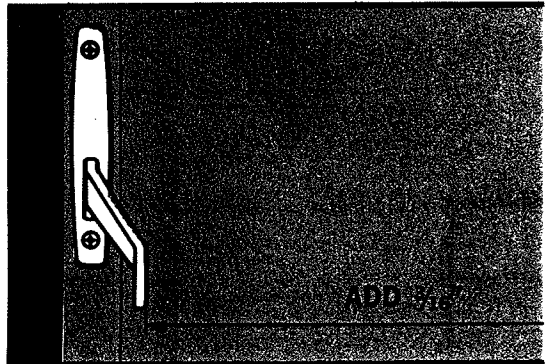
Place Case in position. Level with Active Case. 1/4-20 Screws and mount.



7

INSTALL CROSS-BAR

Measure distance between bottom of levers at this dimension and cut Cross-Bar to this measurement. Add burrs on inside and outside of bar.



A. PLACE TENON IN CROSS-BAR

Place Tenon removed from Active Case into Cross-Bar. It is just flush with end of bar.

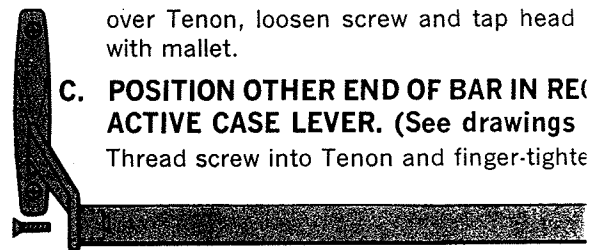


B. PLACE OPEN END OF BAR OVER TENON AND SECURE TO INACTIVE CASE LEVER

Set bar into recess in Lever. If bar won't slide over Tenon, loosen screw and tap head with mallet.

C. POSITION OTHER END OF BAR IN RECESS OF ACTIVE CASE LEVER. (See drawings)

Thread screw into Tenon and finger-tighten.



INSTALLATION INSTRUCTIONS

REVERSIBLE CONCEALED ROD FIRE EX

FOR HOLLOW METAL AND NARROW LINE ALUMINUM

BEFORE PROCEEDING

CHECK HAND OF FIXTURE. IF HAND NEEDS R
SEE REVERSE SIDE OF SHEET:

1 PREPARE DOOR AND FRAME NOT ALREADY FULLY PREP

Follow template furnished and drawings on reverse

2 INSERT RODS AND SECUR LATCHES AND BOTTOM B

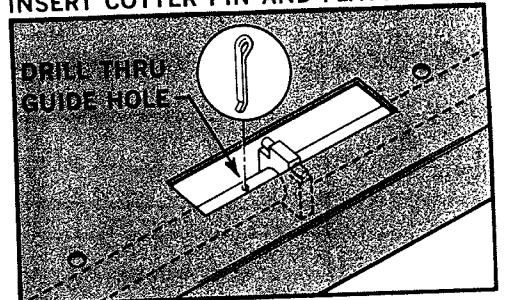
BEFORE INSERTING — See drawings on reve
for proper positioning of all parts.

- A. If using CONCEALED (bracket) MOUNTING, brackets to cases of Top Latch and Bottom B
- B. SLIDE BOTTOM TUBE into bottom of stile. Se as shown on back of this sheet.
- C. RETRACT TOP LATCH by holding Case and pu INSERT TOP LATCH ROD into top of stile and i Secure with screws as shown on back of this s

3 PIN TOP ROD AND BOTTO

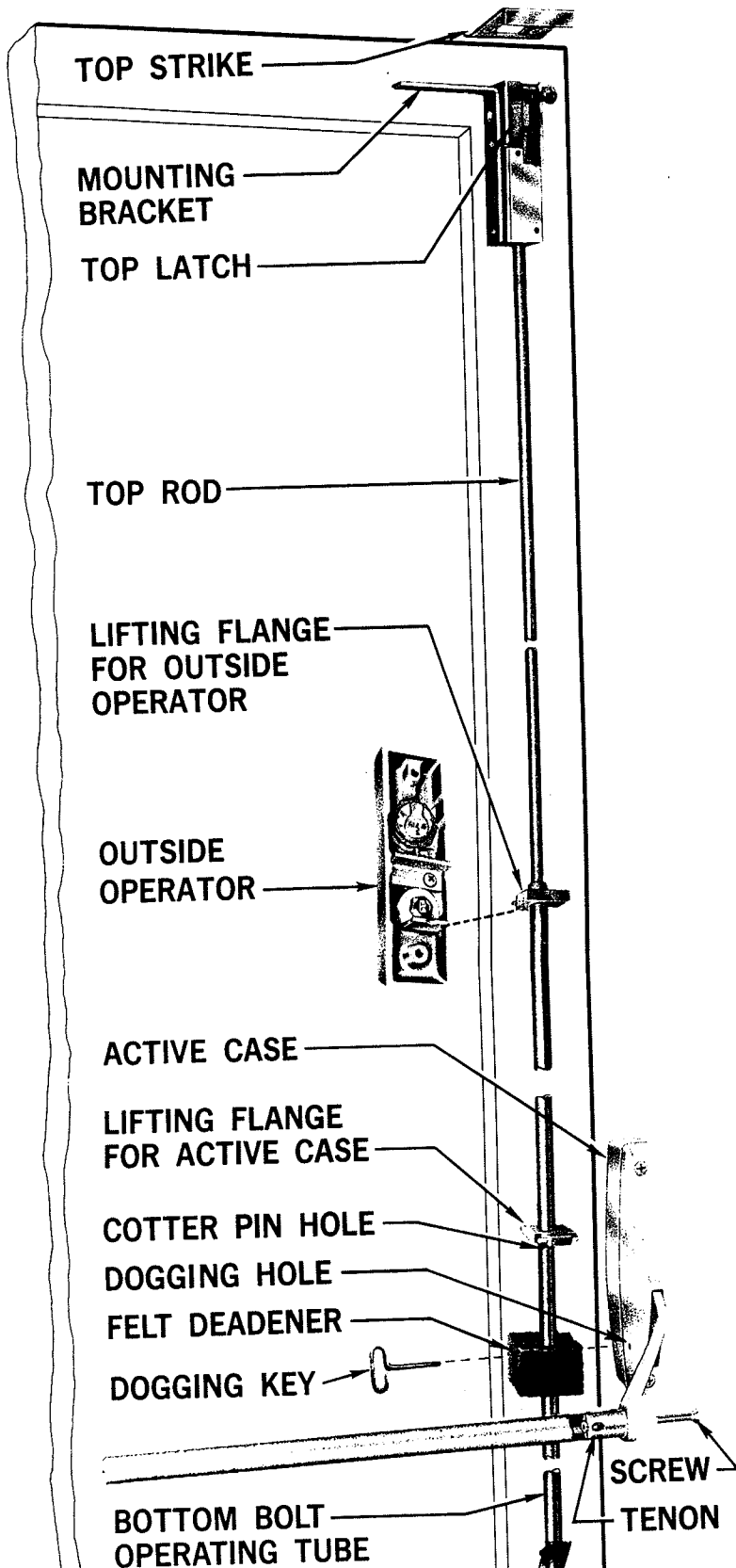
Using access hole, raise Lifting Flange for Active Ca Bolt is fully retracted. DO NOT PRESS BOTTOM TOM OF DOOR. Be sure that Top Latch is retracted hole through Rod and Tube using pre-drilled hole guide. Insert Hammer-Lock Cotter Pin through ho punch and hammer. FLATTEN PIN HEAD COMPLET

INSERT COTTER PIN AND FLATTEN HEAD COMF

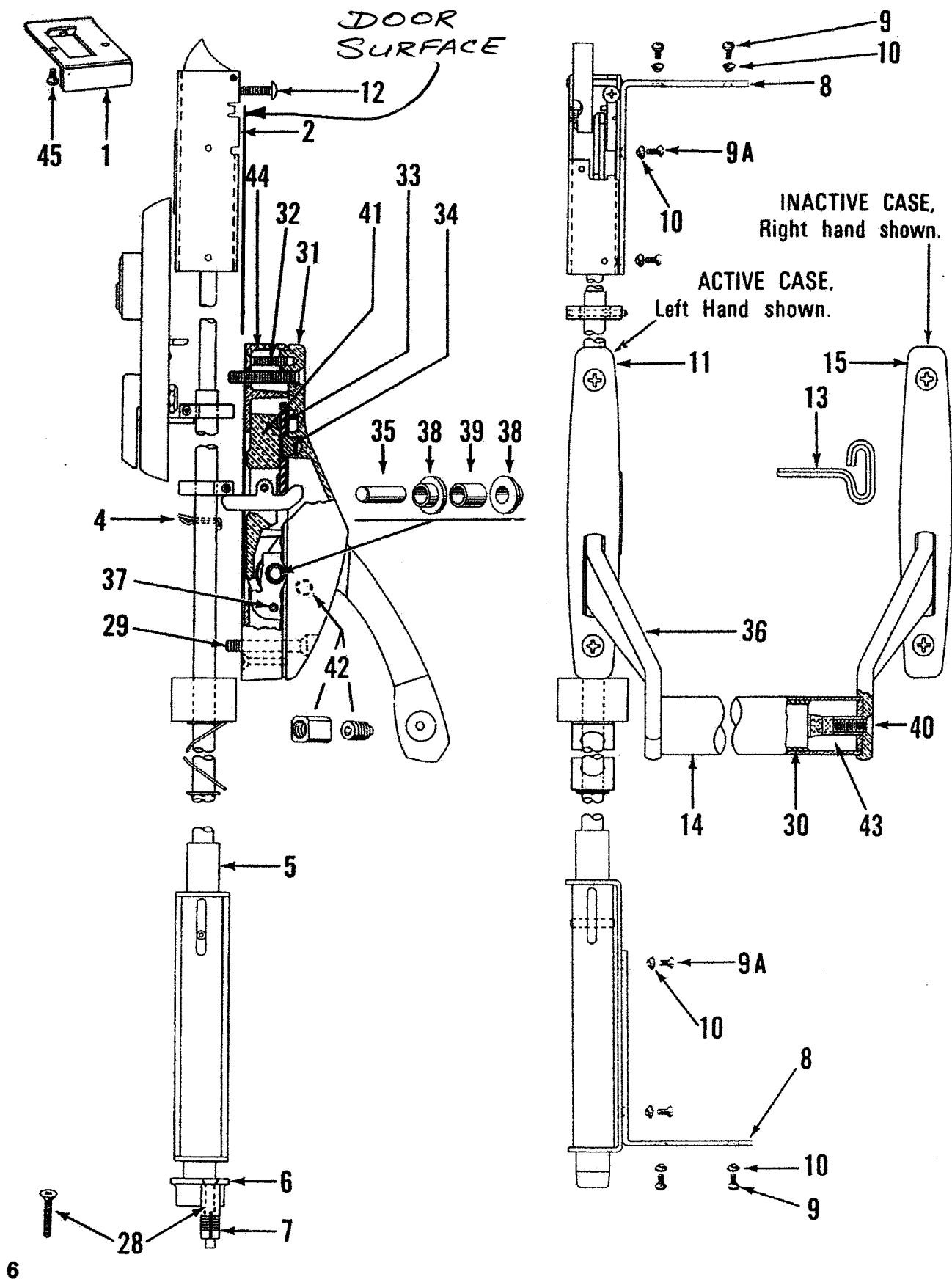


4 INSTALL ACTIVE CASE

Undog cases. Using Key furnished, back out tenon from Active Case Lever. (See illustration Mount Active Case, engaging hook under Lifting screws furnished.



ED7800 CONCEALED VERTICAL ROD



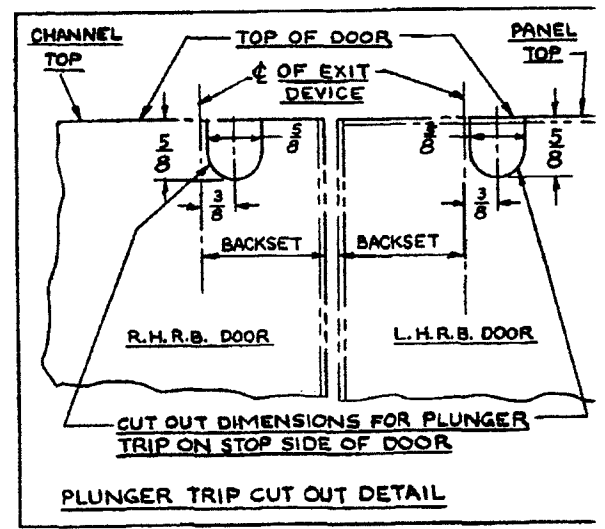
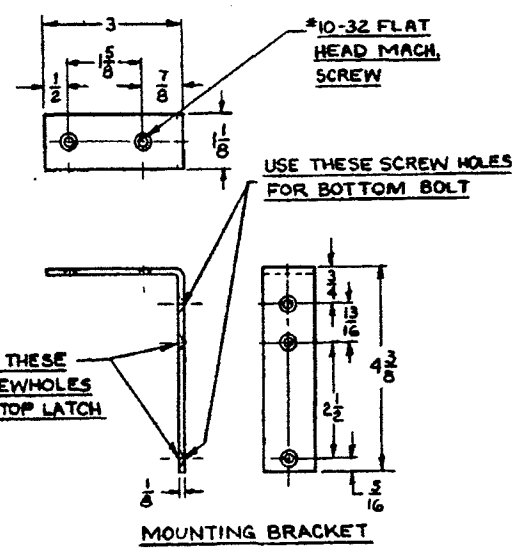
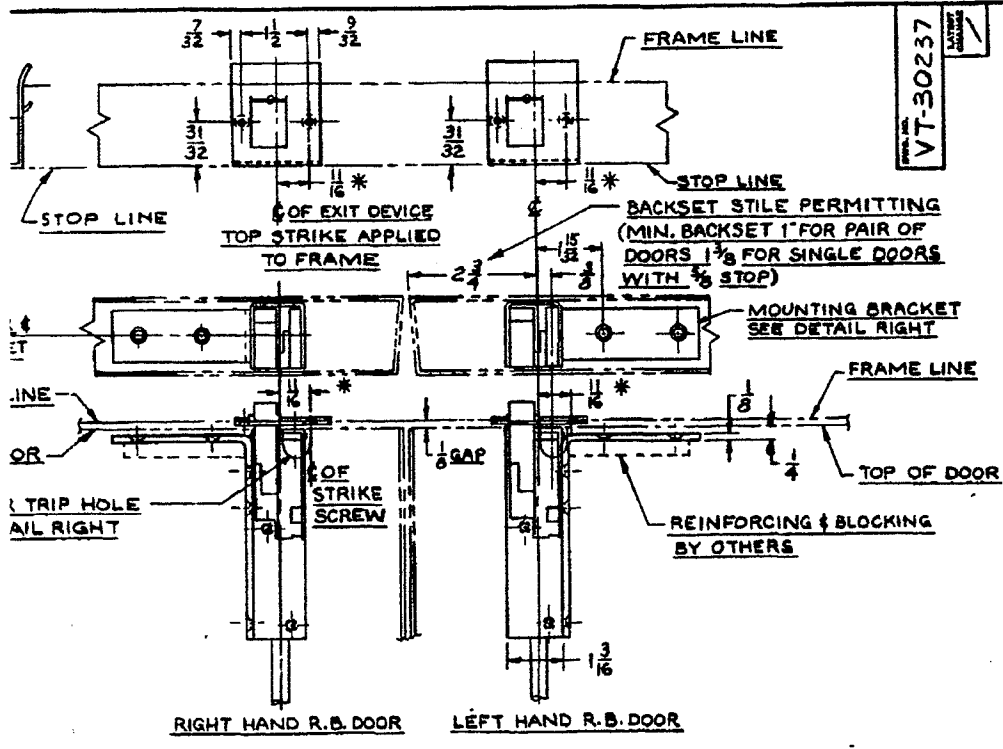
ED7800

ITEM	PART NAME and DESCRIPTION	PART NO.	
1	TOP STRIKE Regular	183F85	
	SUB ASS'Y includes screws Reveal Depth 5 1/2" To 8"	213F10	
	Under 5 1/2"	213F11	
2	TOP LATCH for door heights 6'4" to 6'6"	183F74	
	SUB ASS'Y (includes top rod) for door heights 6'6" to 10'8"	183F75	
4	COTTER PIN	269F04	
5	LOWER BOLT SUB ASS'Y (includes bottom rod)	305F72	
6	BOTTOM STRIKE (includes screws and anchors)	123F22	
7	ANCHOR	361F30	
8	MOUNTING BRACKET	122F18	
9	#10-32 NF-2A X 7/16" PHILLIPS FLAT HEAD UNDERCUT MACHINE SCREW specify finish	351F52	
9A	#10-32 NF-2A X 1/4" PHILLIPS OVAL HEAD UNDERCUT MACHINE SCREW	269F09	
10	LOCK WASHER 82° external c'sink type	269F05	
11	ACTIVE CASE SUB ASS'Y	With dogging R. H.	291F52
		L. H.	291F53
		Less dogging R. H.	291F54
		L. H.	291F55
12	#10-32 X 1 1/4" PHIL. TORX HEAD MACH. SCREW	282F35	

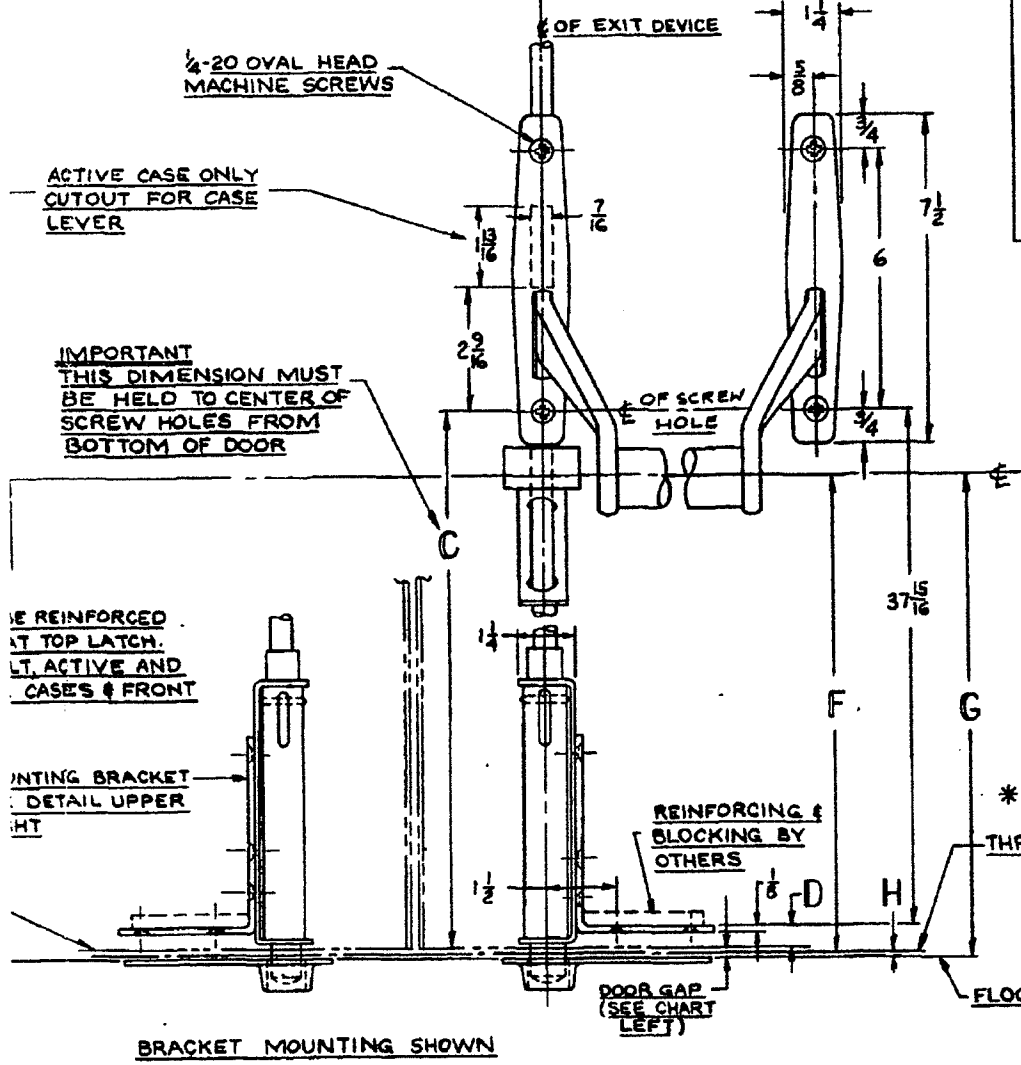
ITEM	PART NAME and DESCRIPTION	PART NO.	
13	WRENCH	123F53	
14	CROSSBAR Regularly 31 11/16" long, unless otherwise specified	141L59	
15	*INACTIVE CASE SUB ASS'Y	With dogging R. H.	269F73
		L. H.	269F74
		Less dogging R. H.	269F75
		L. H.	269F76
28	1/4-20NC-2A X 5/8" PHIL. FLAT HEAD MACH. SCREW	220F75	
29	1/4-20NC-2A X 1 3/4" PHIL. OVAL HEAD MACH. SCREW	249F33	
30	REINFORCING TUBE Specify length	141L54	
31	COVER only	With dogging R. H.	269F33
		L. H.	269F34
		Less dogging	269F35
32	#10-32 X 1" PHILLIPS FLAT HEAD MACHINE SCREW	291F57	
33	STOP PLATE	291F49	
34	BUTTON	291F54	
35	LEVER PIVOT	269F48	
36	LEVER	R. H.	269F32
		L. H.	269F31
37	#59-040-187-0750	228F80	
38	BUSHING	269F49	
39	NYLINER	269F47	
40	5/16-24 UNF-2A X 1 1/2" FH SOCKET MACH. SCREW	261F31	
41	SLIDE SUB ASS'Y	293F18	
42	DOGGING DEVICE SUB ASS'Y	321F90	
43	TENON SUB ASS'Y	378F74	
44	CASE only. For active and inactive sub-assemblies	269F42	
45	#8-32NC-2A X 3/8" PHILLIPS FLAT HEAD UNDERCUT MACHINE SCREW	269F08	

*See page 8 for Inactive Case component parts list.

VT-30237
LATEST CHANGE



VAL HEAD THRU AND WASHERS



RESPONSIBILITY
 Door and Frame Manufacturers are responsible for providing adequate construction or reinforcements for proper installation of hardware shown.

LET.	CHANGES	BY	DATE
TEMPLATE DRAWING OF RUSSWIN:- CH645 & UCH645 CORBIN:- 4065 & 4065U CONCEALED EXIT DEVICES FOR 1 3/4" HOLLOW METAL DOORS (NARROW LINE)			
HARDWARE DIV. OF EMHART CORP. BERLIN, CONN.		DO NOT SCALE DRAWING	
DR. B.D.	CK. B.D.	ENGR. APP. HT	LATEST CHANGE
DATE 12-17-82	12-17-82	9-23-83	
VT 30117		DWB. NO. VT-30237	

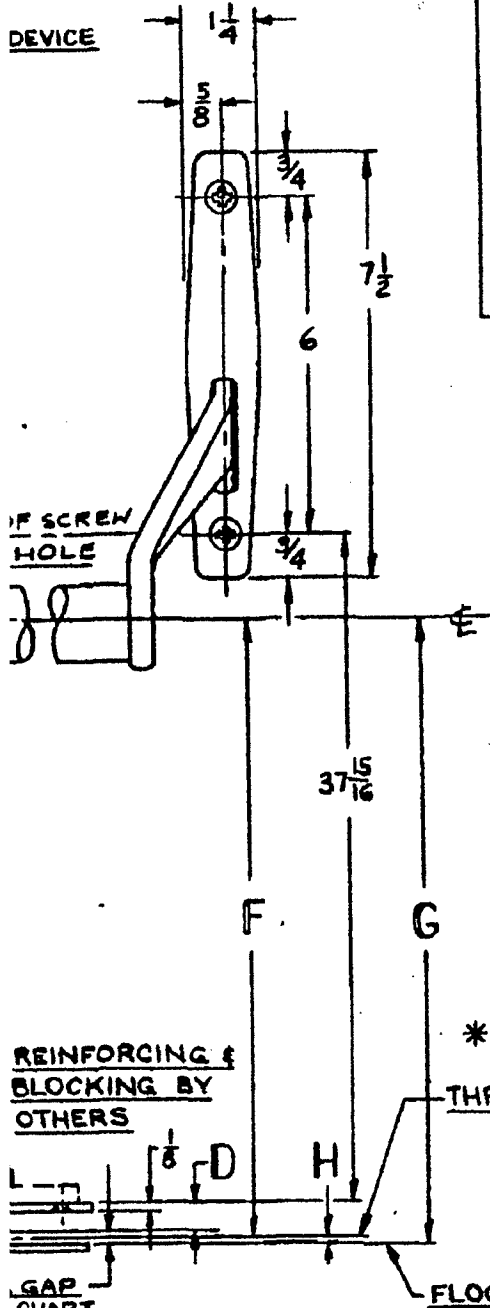
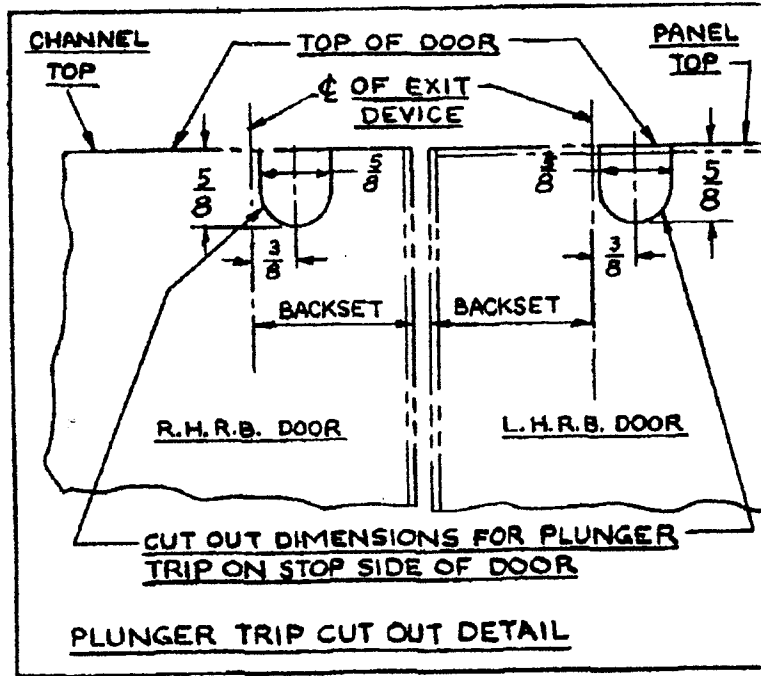
b

a

REINFORCING & BLOCKING BY OTHERS



OR

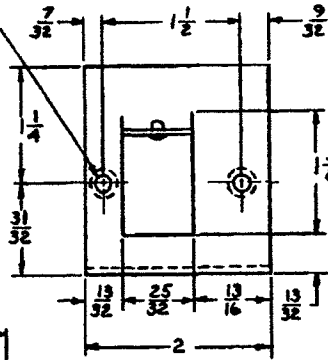


RESPONSIBILITY
 Door and Frame Manufacturers are responsible for providing adequate construction or reinforcements for proper installation of hardware shown.

LET.	CHANGES	BY	DATE	APP'D	DATE
TEMPLATE DRAWING OF <u>RUSSWIN: CH645 & UCH645</u> <u>CORBIN: 4065 & 4065U CONCEALED</u> <u>EXIT DEVICES FOR 1 3/4 HOLLOW</u> <u>METAL DOORS</u> <u>(NARROW LINE)</u>					
HARDWARE DIV. OF EMHART CORP. BERLIN, CONN.			DO NOT SCALE DRAWING		
DR.	CK.	CH. DR.	ENG. APP.	LATEST CHANGE	
B.D.	B.D.		HT	/	
DATE	DATE		9-23-83		
12-17-82	12-17-82				
SUPERSEDES			DWB. NO.		
VT 30117			VT-30237		

* 1/16 RECOMMENDED STRIKE LOCATION
 THIS DIM. CAN VARY FROM 3/16 TO 3/4
 TO SUIT DOOR & FRAME CONDITIONS

* 8-32 x 3/8 LG. UNDERCUT
 FLAT HEAD MACH.
 SCREWS



SURFACE APPLICATION
 OF TOP STRIKE - SEE
 DETAIL LEFT

OPENING IN
 FRAME

TOP STRIKE

STRIKE REINFORCEMENT

OF DOOR &
 EXIT DEVICE

OF DOOR &
 BRACKET

FRAME LINE

TOP OF DOOR

PLUNGER TRIP HOLE -
 SEE DETAIL RIGHT

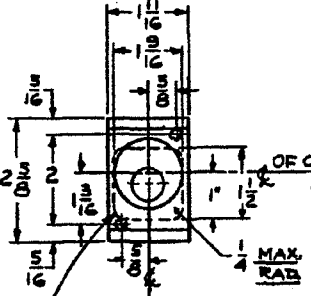
REINFORCING

* 10-24 OVAL HEAD TH
 BOLTS AND WASHER

NOTE
 POSITION OF
 LIFTING
 FINGER

ACTIVE CA
 CUTOUT LEVER

IMPORTA
 THIS DIM
 BE HELD
 SCREW I
 BOTTOM



CUT RECTANGULAR HOLE
 FOR CYLINDER ON HINGE
 SIDE OF DOOR

DRILL HOLE THRU THE
 ROD AND TUBE FOR
 COTTER PIN. USE 1/8
 DRILL HOLE IN TUBE
 ACTS AS DRILL GUIDE

NOTES:

FOR DOORS OVER 5'6" DOOR MANUFACTURER
 MUST PROVIDE SUITABLE ROD GUIDES.

FOR UNDERWRITERS EXIT DEVICE
 MAX. HEIGHT 7'2"

FOR CONCEALED EXIT DEVICE WITH REINFORCED
 CROSSBAR "E" PREFIX "RC" TO CATALOG NO.
 "C" SUFFIX "RC" TO CATALOG NO.

NOTE: FOAM SPACER BLOCK

THRESHOLD	DOOR GAP	B	C	D	E	F	G	H
	1/4 RECOMM	49 7/16	38 3/8	7/8				
	3/16	49 3/8	38 5/8	3/8	49 1/4		37"	
	5/8	49 5/8	38 1/4	3/4				
	3/4 MAX.	49 1/4	38 7/16	1/2				
* 'E'-B497	THRESHOLD							
* 'C'-2583	GAP	49 1/2	38 7/16	1/2	50 1/16	37"	37 7/8	3/8
	3/16 MAX.							

WHEN USING THIS EXIT DEVICE IN CONJUNCTION
 WITH A MORTISE TYPE, CROSSBAR HEIGHTS
 ARE GOVERNED BY THE DIMENSION FROM
 BOTTOM OF DOOR TO FINISHED FLOOR

NOTE: POSITION OF
 TENSION CLIP!
 FACING OUT.

* 3415 STAR ANCHOR
 OR EQUIVALENT

1/2 FLAT HEAD MACH.
 SCREWS

