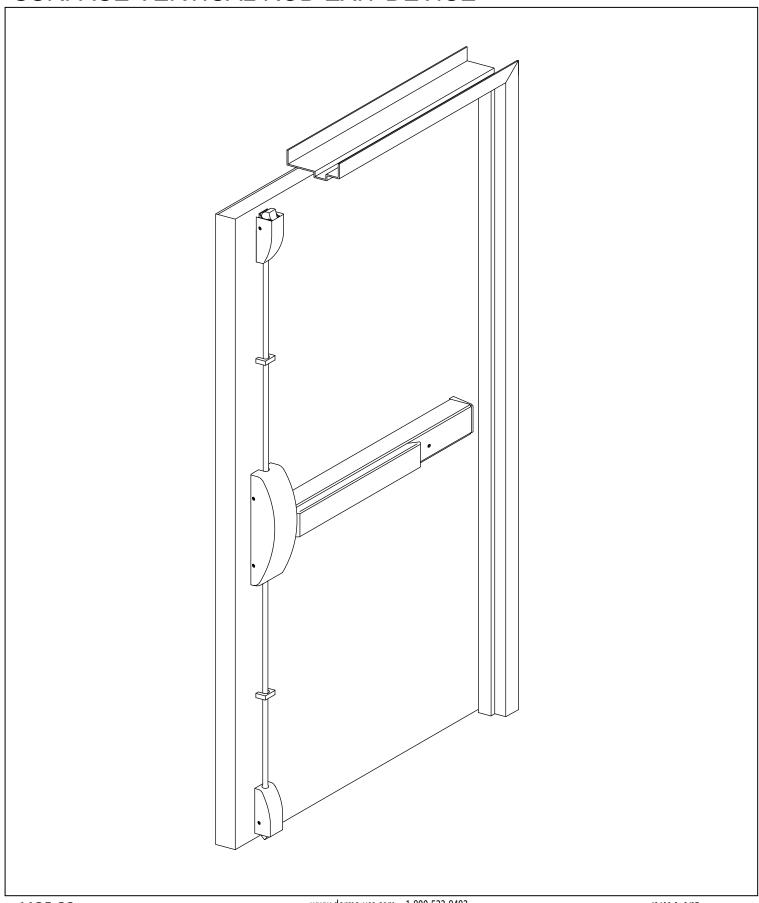
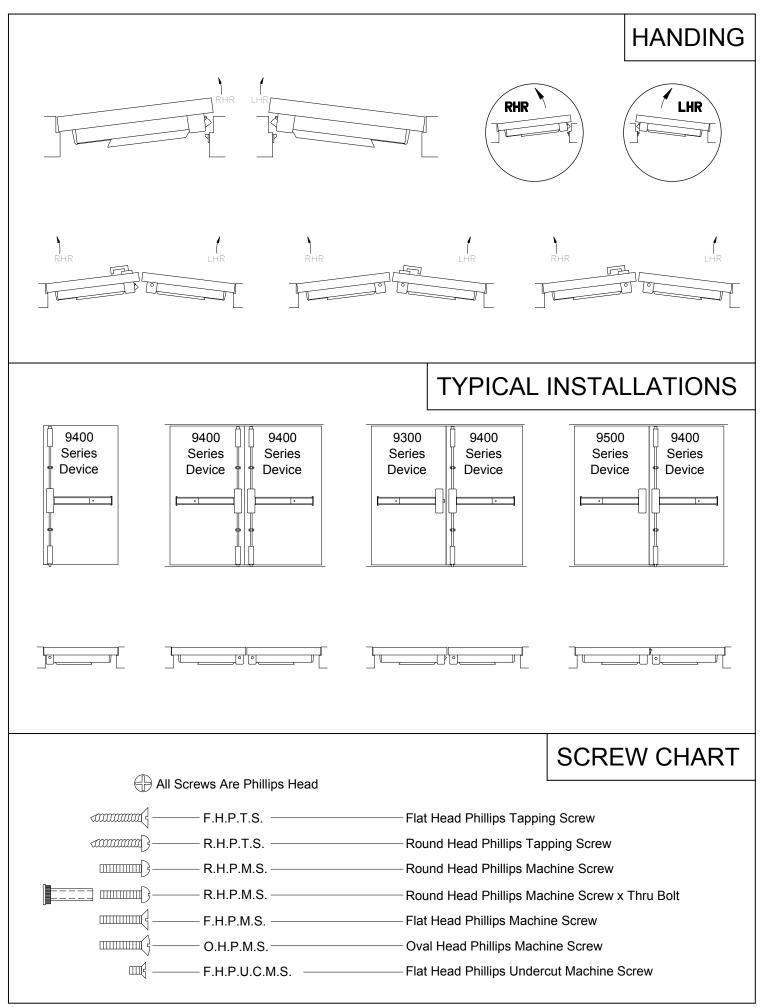
9400/F9400 SERIES SURFACE VERTICAL ROD EXIT DEVICE







1 Installation

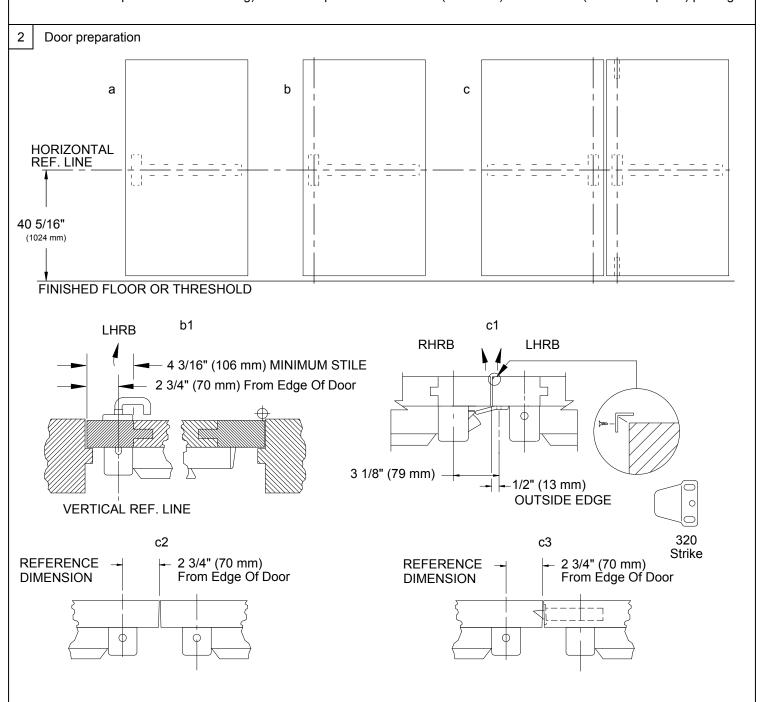
Read the entire instruction sheet prior to installation.

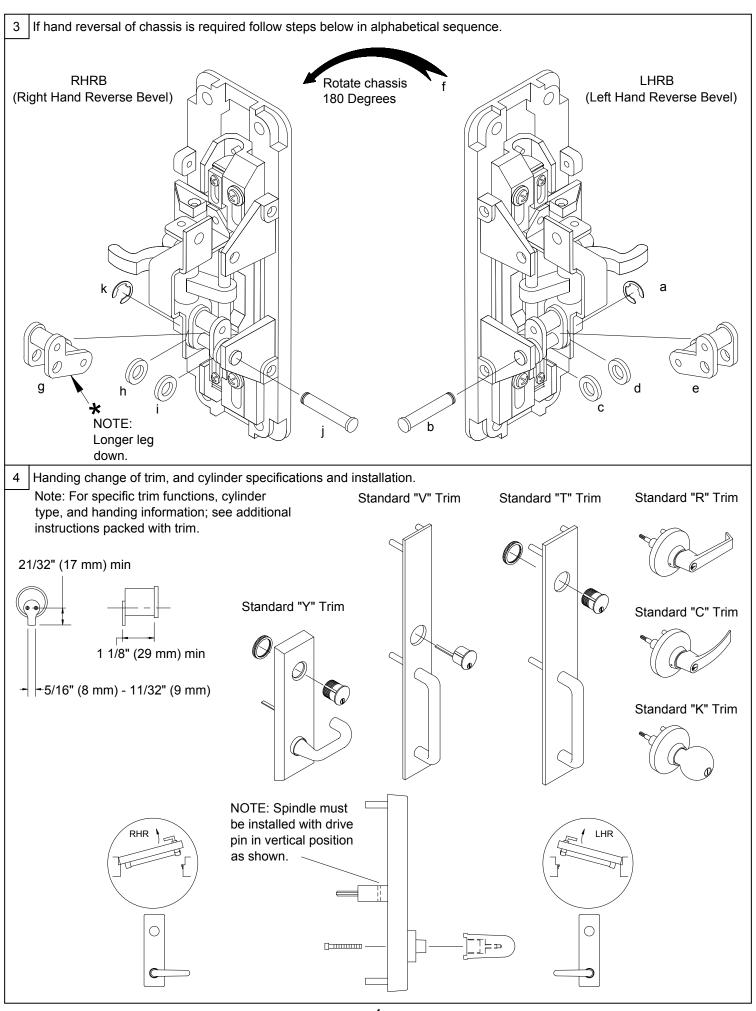
Before Installing Hardware:

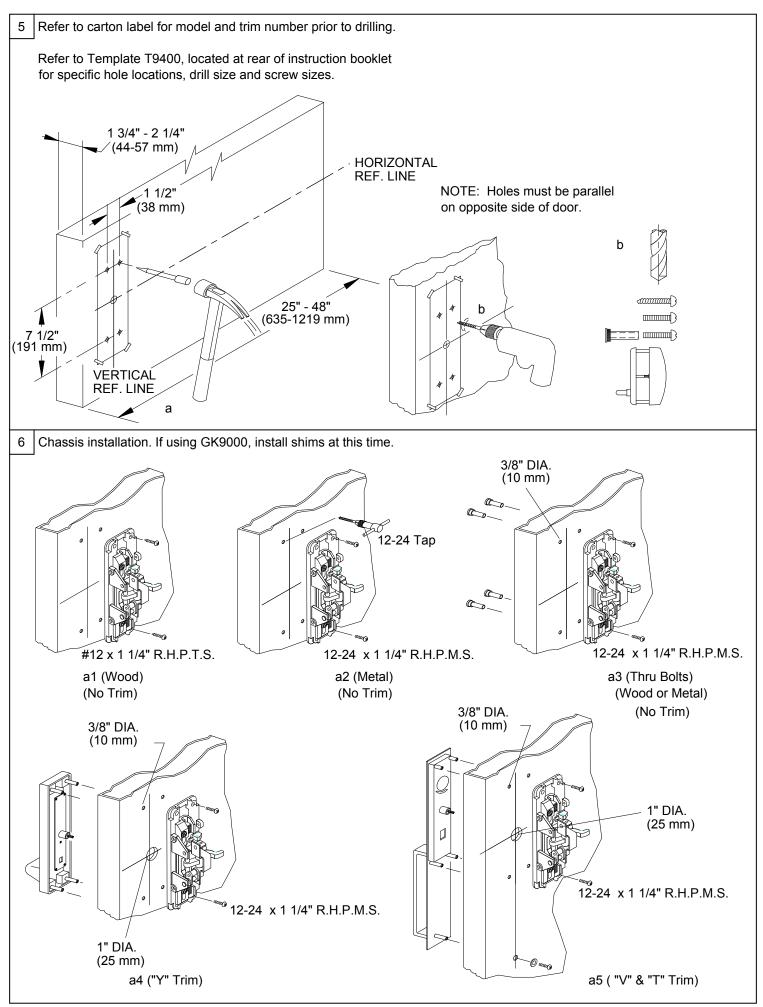
- 1. Door should be fitted and hung.
- 2. Verify door width, with carton label for correct exit device length. (See Step 7)
- 3. For hand reversal of chassis assembly see Step 3.
- 4. For hand reversal of trim assembly see Step 4.

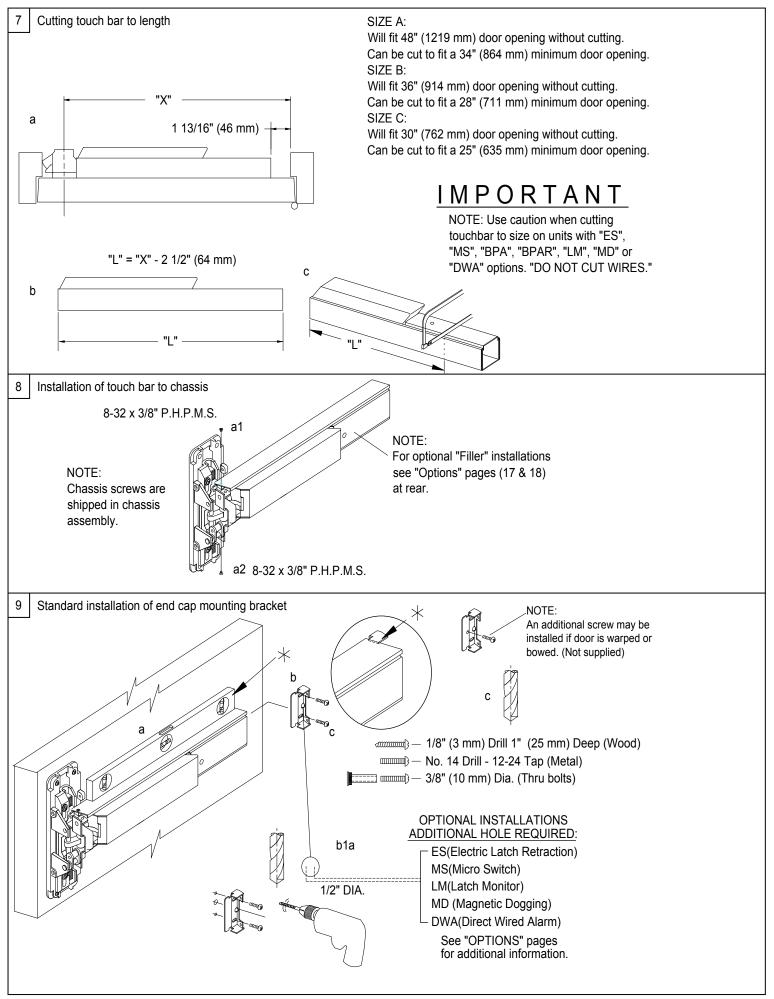
Note: If device is to be installed over glass lite panels, shim kit may be required. Order GK9000.

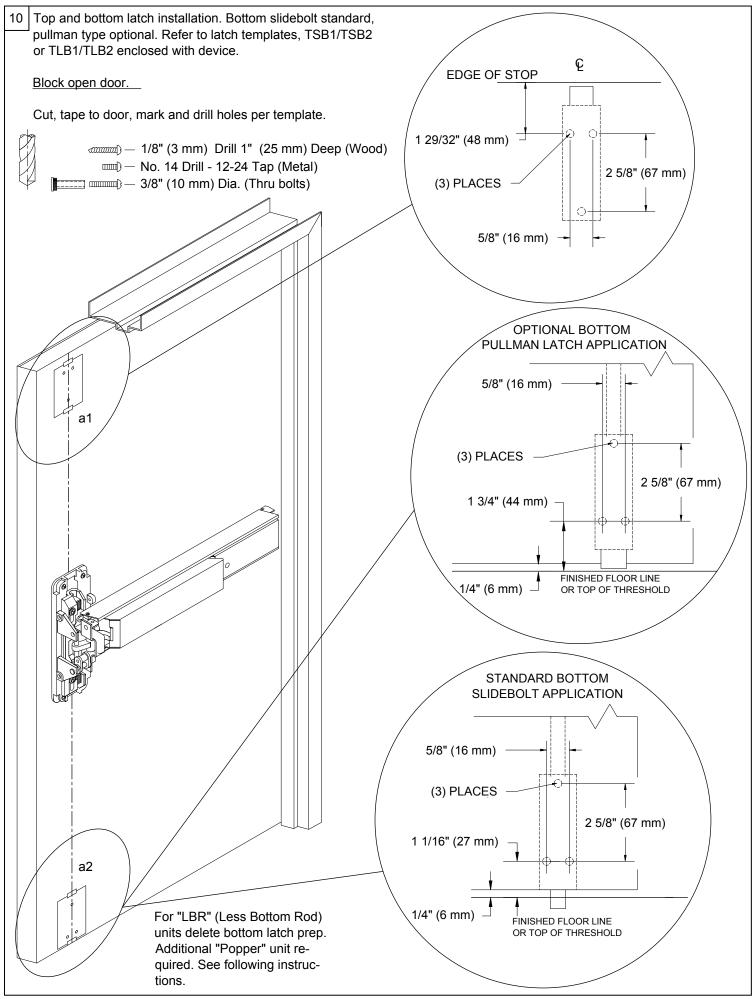
Note: Device shipped standard for 7' (2133 mm) high door opening. Optional 8' (2438 mm) available. (must be specified when ordering) For doors up to but not over 10' (3048 mm) order "ETR" (Extended top rod) package.

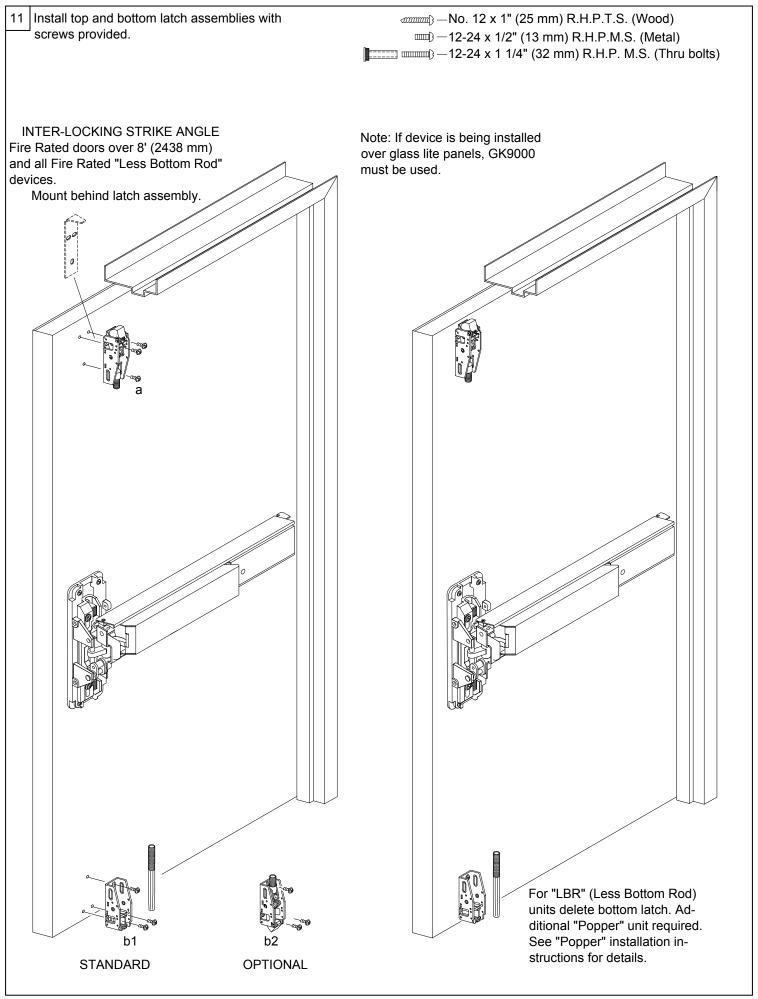


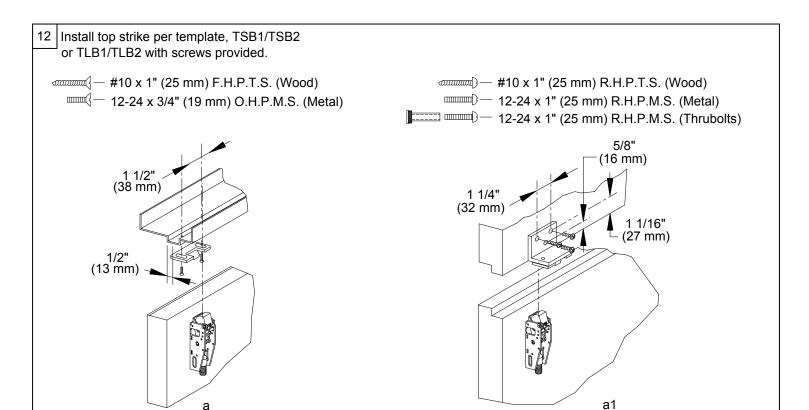




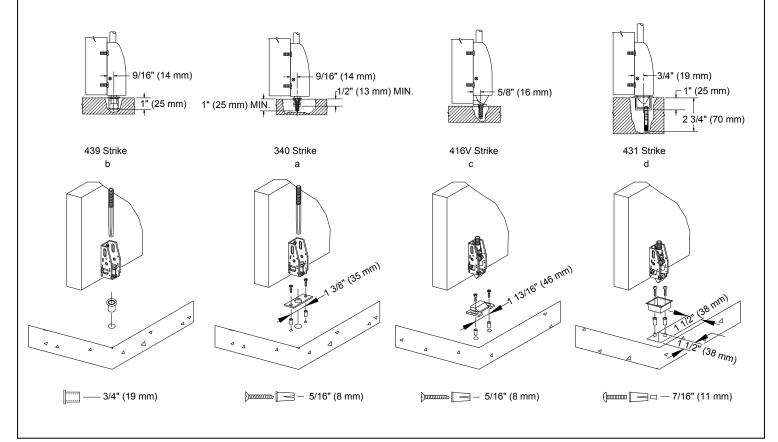


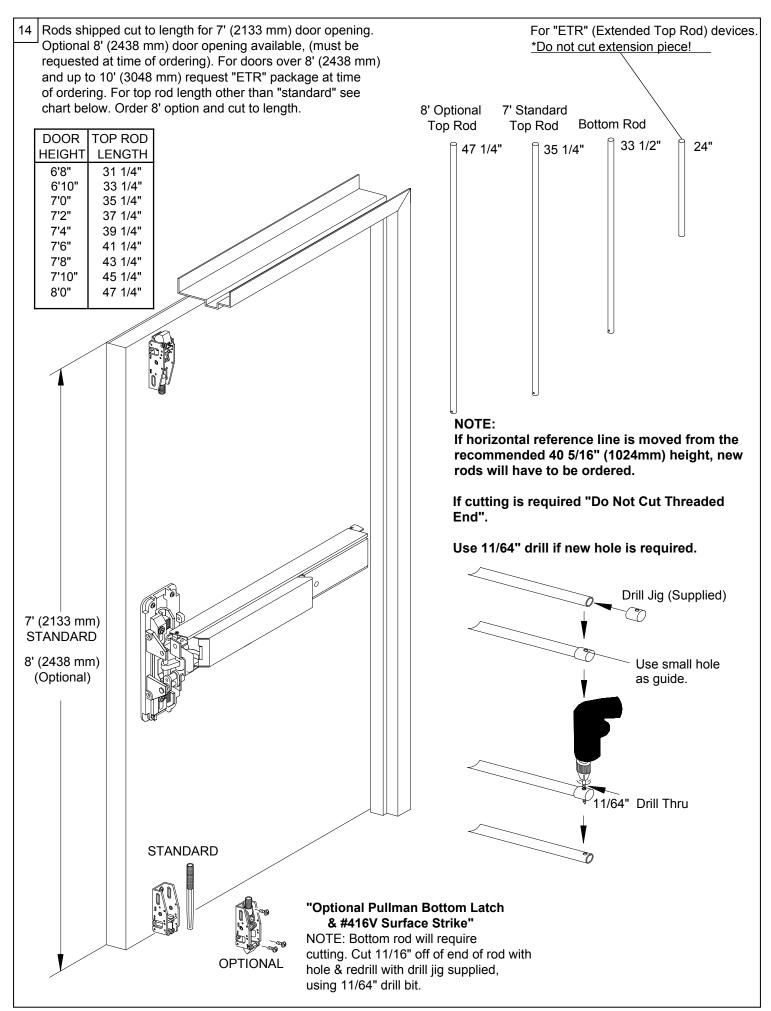


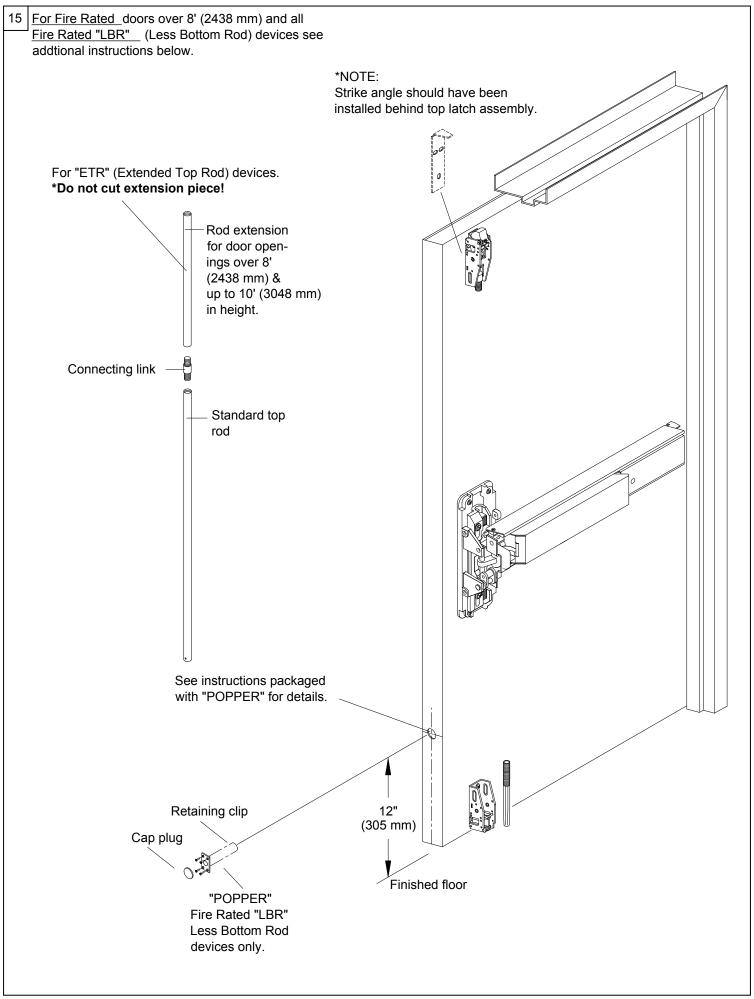


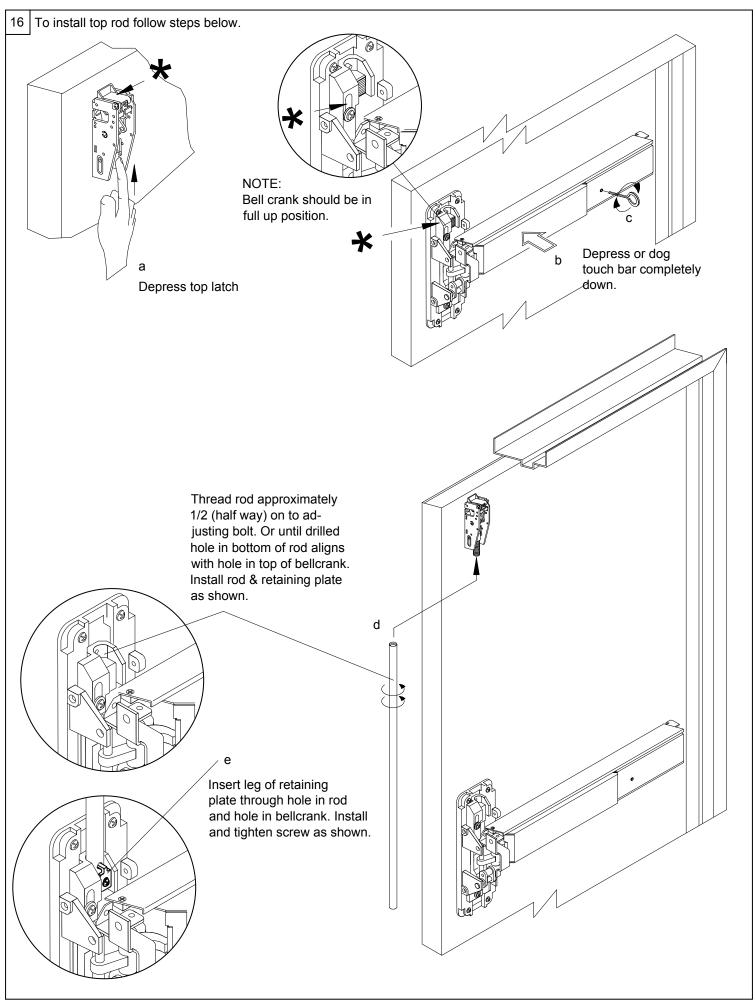


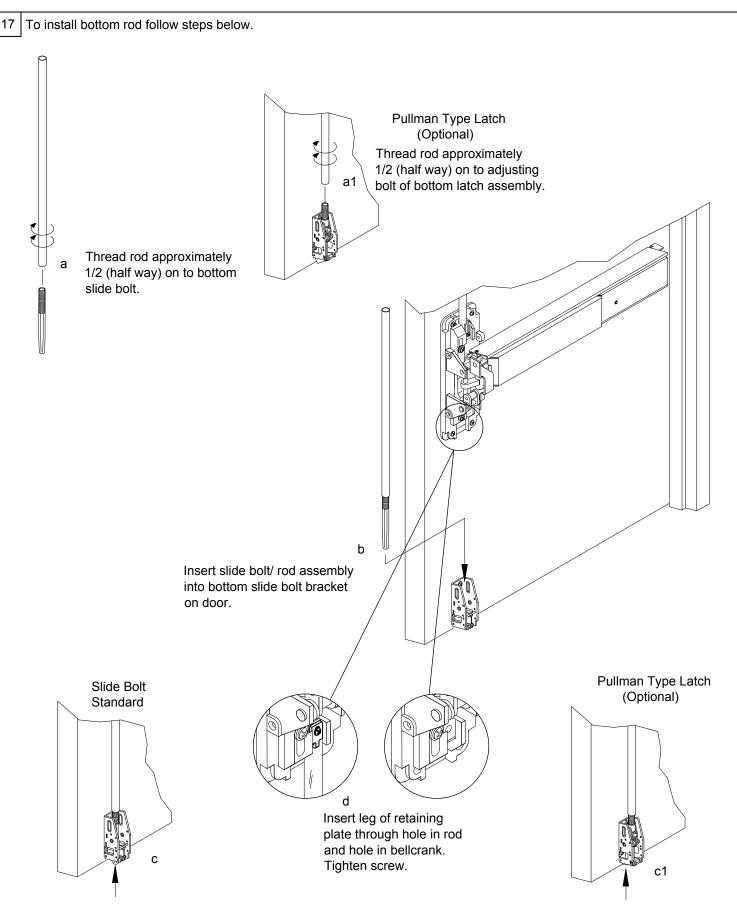
13 Install bottom strike per template, TSB1/TSB2 or TLB1/TLB2 with screws provided.





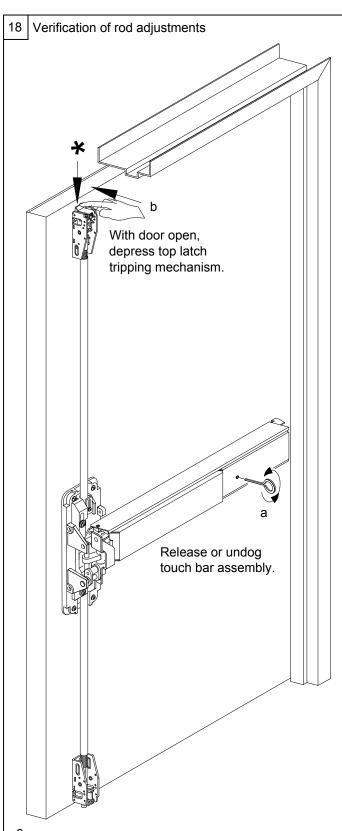






Pull upward on rod until slide bolt is flush across bottom of bracket. Thread rod up or down as required until hole in rod aligns with hole in bottom of bellcrank. Install retaining plate as shown in step "d". Install screw in retaining plate as shown.

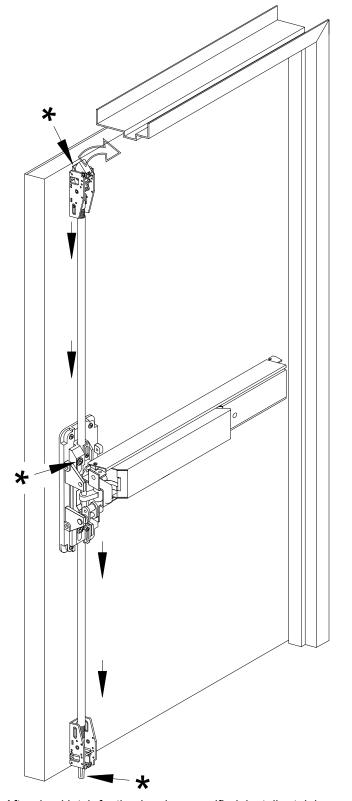
Pull up on rod until latchbolt is flush across bottom of bracket. Thread rod up or down as required until hole in rod aligns with hole in bottom of bellcrank. Install retaining plate as shown in step "d". Install screw as shown.



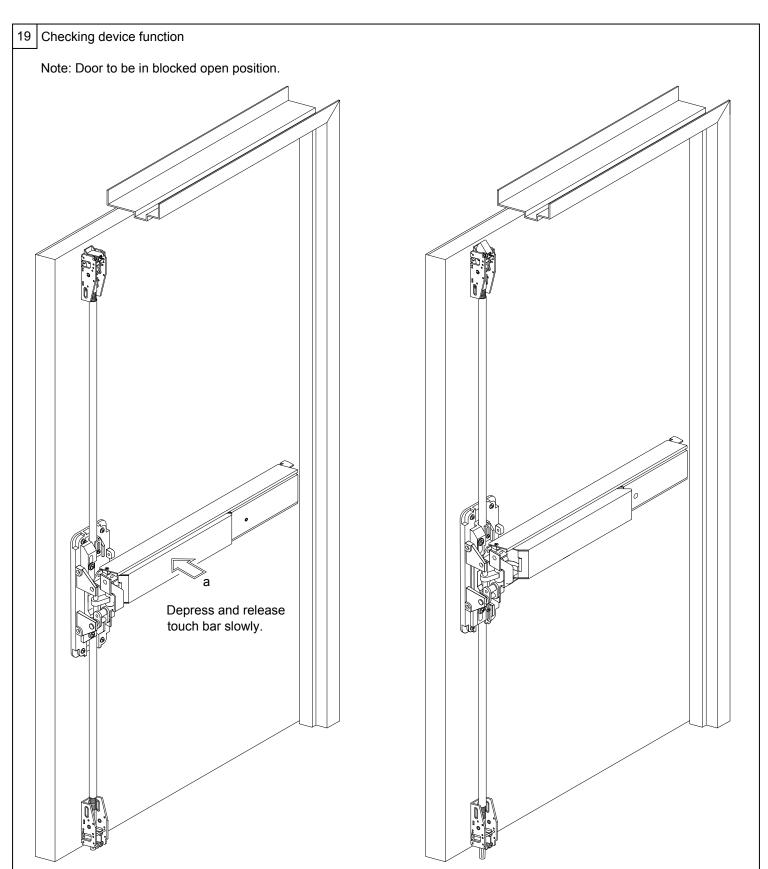
Verify that top latch is extended fully, bellcrank is completely down and bottom slide bolt or latch has extended fully.

Verify deadlatching of top latch by attempting to push in on top latch bolt. Bolt should not move. If latch bolt moves inward, top rod is to long you must re-adjust its length.

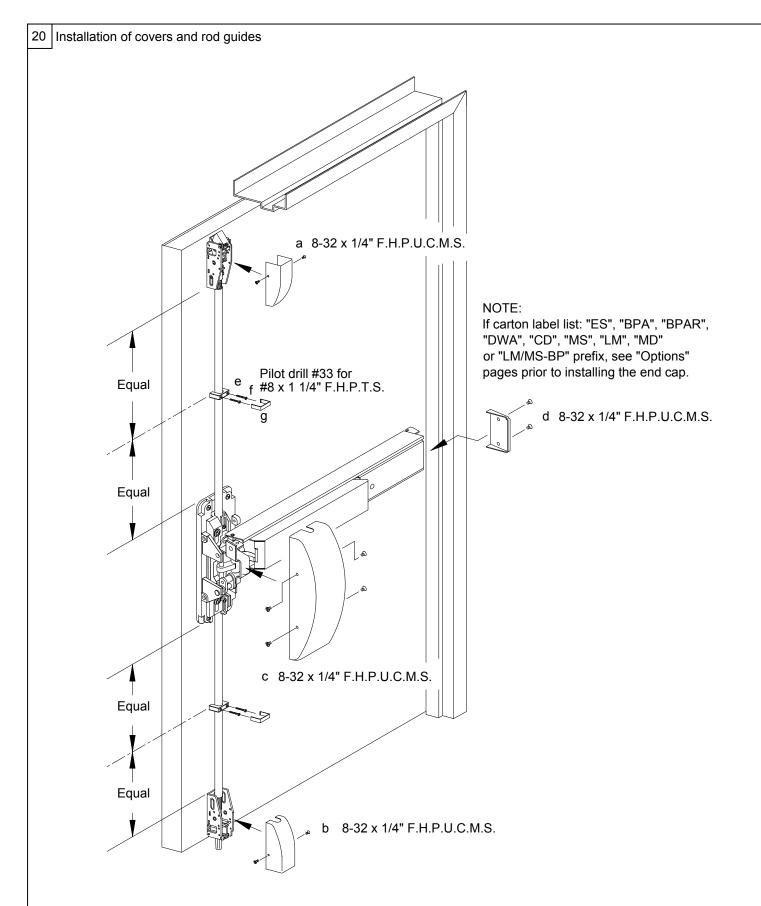
Adjust top rod by removing the retaining plate. Rotate rod clockwise (right) to shorten and counter clockwise (left) to lengthen. Adjust half turn at a time.



After dead latch funtion has been verified, install retaining plate & screw. Re-check bottom slide bolt or latch for proper adjustment. Bottom slide bolt or latch should be flush across bottom of latch bracket when latches are held retracted by tripping mechanism in top latch. Re-adjust bottom rod if neccessary.



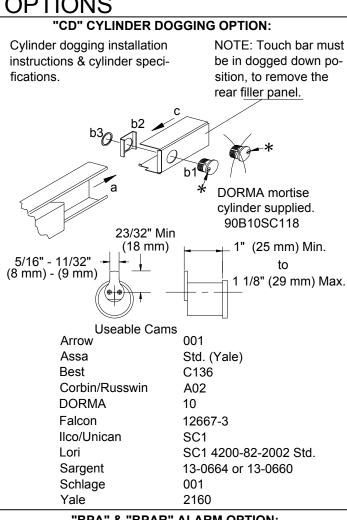
With rods properly adjusted, remove block and allow door to close. Check for proper engagement of latch bolts in strikes. Open and close door several times to insure proper alignment and function of device. If additional adjustments are made, be certain to tighten all screws when completed. Latch bolts should remain retracted (captured by tripping lever) when touch bar is released and door is in open position and should extend fully into strikes as door closes and tripping lever is activated. Check outside trim operation as well for proper function.



General Maintenance Notes:

The DORMA 9000 Series Exit Devices are designed to give years of trouble free service, however depending on installation, location, climate conditions etc. routine manintenance is recommended in all latch bolt locations. The device should be periodically cleaned and re-lubricated to ensure proper function and operation of all moving parts. (ie; Dura-Lube, etc.)

OPTIONS



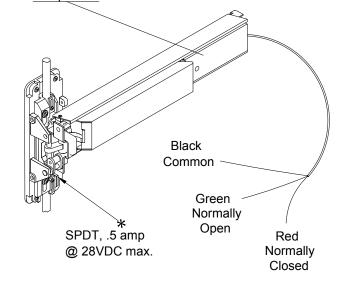
"LM" LATCH MONITOR OPTION:

Latch monitor: Monitors movement of latch bolt, with or without depressing of touch bar.

Can be wired normally open or normally closed.

NOTE: Touch bar must be in dogged down position, to remove the rear filler panel.

*NOTE: Use caution when cutting touch bar and rail to length.



"BPA" & "BPAR" ALARM OPTION: (STANDARD INSTALLATION)

BPA: Battery powered alarm, sounds continuous or until disarmed.

BPAR: Battery powered alarm, sounds for 4 minutes, automatically resets.

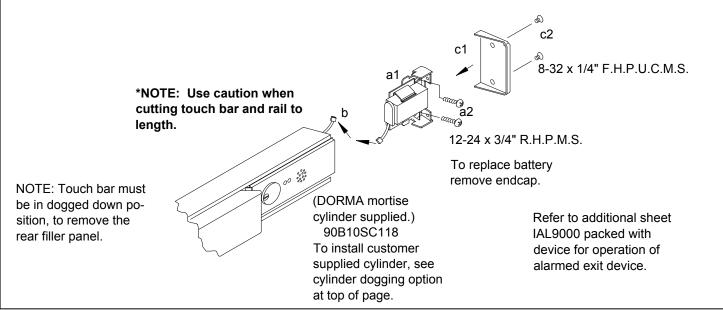
"Alarm mode set at factory."

SIZE A:

Will fit 48" (1219 mm) door opening without cutting. Can be cut to fit a 39" (991 mm) minimum door opening.

Will fit 36" (914 mm) door opening without cutting. Can be cut to fit a 33" (838 mm) minimum door opening. SIZE C:

Will fit 36" (914 mm) door opening without cutting. Can be cut to fit a 30" (762 mm) minimum door opening.

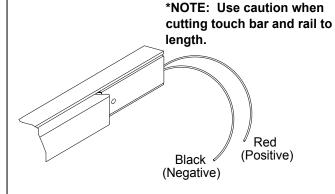


"ES" ELECTRIC LATCH RETRACTION OPTION:

Electrically retracts latchbolt(s) when energized by power supply.

REQUIRES DORMA PS-501 POWER SUPPLY, WILL NOT OPERATE FROM OTHER MANUFACTURES POWER SUPPLIES.

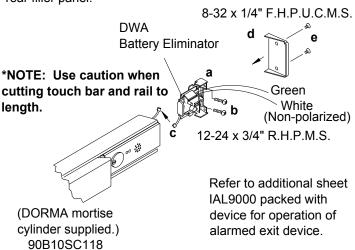
PS-501 Will operate (2) "ES" 9400 exit devices. By adding a second "ES2" logic card, (2) additional "ES" 9400 exit devices may be used.



"DWA" DIRECT WIRED ALARM OPTION:

Connected to outside power source. 12-24 Volt AC/DC Power Supply. i.e. DORMA ES-100. Contact DORMA for other power supplies available.

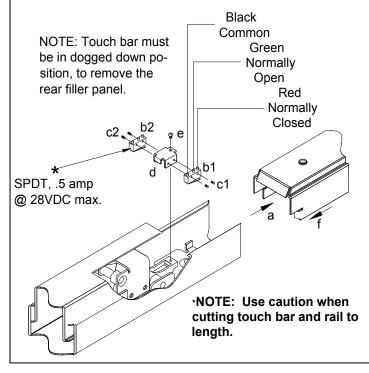
NOTE: Touch bar must be in dogged down position, to remove the rear filler panel.



"MS" MICRO SWITCH OPTION:

"MS" option allows monitoring of touch bar during normal operation, or can be used as a signal switch for horn, light etc. Come standard with (2) two micro switches. Both can be

(2) two micro switches. Both can be wired either Normally Open or Normally Closed. Can be added to device after installation.



"MD" MAGNETIC DOGGING OPTION:

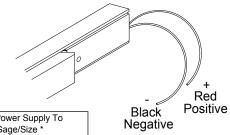
Electrically dogs touch bar when energized by power supply, then depressed. Releases upon interruption of power.

.25 AMP CURRENT DRAW @ 24VDC

REQUIRES DORMA PS-545 POWER SUPPLY CAPABLE OF POWERING 1 - 4 "MD" DEVICES.THE USE OF A POWER TRANSFER, ES105 OR AN ELECTRIC HINGE PTH-2 IS RECOMMENDED.

FITS "STANDARD" TOUCH BAR AND RAIL ASSEMBLIES ON BOTH THE 5000 AND 9000 SERIES EXIT DEVICES. NOT AVAILABLE ON DEVICES SUCH AS "ES", "DE", "AL", BPA. BPAR, DWA, DWRA ETC.

MAXIMUM HOLDING FORCE 40# - 60#.
IMMEDIATE RELEASE UPON REMOVAL OF POWER



Maximum Wire Length From Power Supply To
Device In Feet x Wire Gage/Size *

WIRE | 18AWG | 16AWG | 14AWG | 12AWG

FEET 25 50 75 100

* For wiring to electric hinge or power transfer.

75 100 *NOTE: Use caution when cutting touch bar and rail to length.

