

INSTALLATION INSTRUCTIONS

REVERSIBLE-CONCEALED VERTICAL ROD DEVICES

SERIES 1600, 1600-LBR, FL-1600, FL-1600-LBR

- STRIKE SHIM SM1112
- TOP STRIKE KIT S519 (INCLUDES SM1112 STRIKE SHIM)

- TOP LATCH
- ADJUSTMENT TUBE
- TOP ROD

FIRE EXIT DEVICE INSTALLATION SERIES FL-1600

The use of sex bolts or through bolts to mount the devices to the door is required for composite (wood or plastic covered) and wood core type fire doors unless an alternate mounting method is identified in the individual door manufacturer's listings (and installation instructions).
The use of sex bolts to mount the devices to the door is required for steel covered composite type sheet-metal type or hollow-metal type fire doors provided without reinforcements. The use of steel machine screws to mount the devices to the door is required for steel covered composite type, sheet-metal type or hollow-metal type fire doors incorporating steel reinforcements.

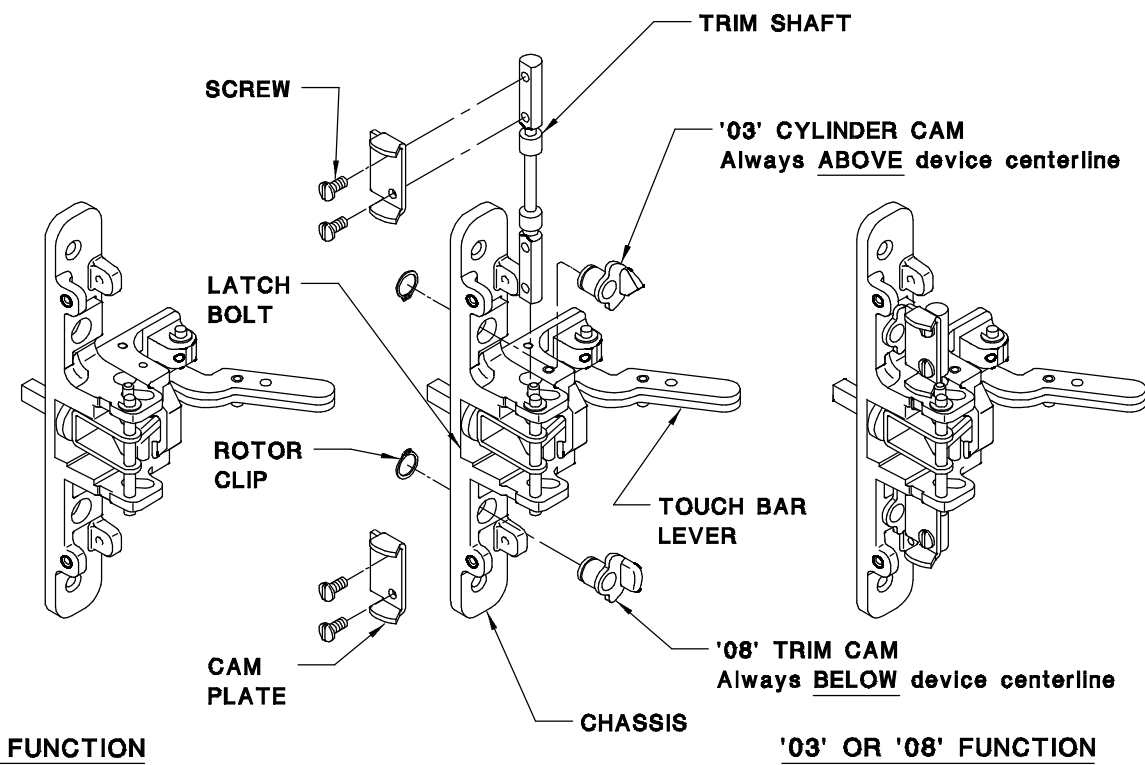
- CENTER CHASSIS
- TOP ROD ADJUSTING SCREW
- LOCATOR
- LOCK SIDE FILLER
- TOUCH BAR LEVER
- LOCK STILE CHASSIS
- BOTTOM ROD ADJUSTING SCREW
- BOTTOM ROD
- COVER
- BOTTOM LATCH
- BOTTOM STRIKE 020-97

- TOUCH BAR ASSEMBLY
- END CAP
- MOUNTING BRACKET
- HEX DOGGING KEY DOGGING NOT PERMITTED ON FIRE EXIT HARDWARE

CHANGING DEVICE HAND OR FUNCTION

CHANGING HAND FOR EXIT ONLY DEVICES
No changing of parts necessary. Simply apply per door handing requirement.

- CHANGING HAND FOR DEVICES WITH OUTSIDE FUNCTIONS**
1. Remove screws and Cam Plates from Trim Shaft.
 2. Slide Trim Shaft out of Chassis.
 3. Remove Rotor Clip and Cam from Chassis.
 4. Insert "03" or "08" Cam into Chassis with raised edge towards the Touch Bar side of the device as shown and fasten with Rotor Clip.
 5. Insert Trim Shaft into side of Chassis with flat as shown.
 6. Attach both Cam Plates to Trim Shaft with screws and secure.



LHRB SHOWN - RHRB SYMMETRICAL OPPOSITE

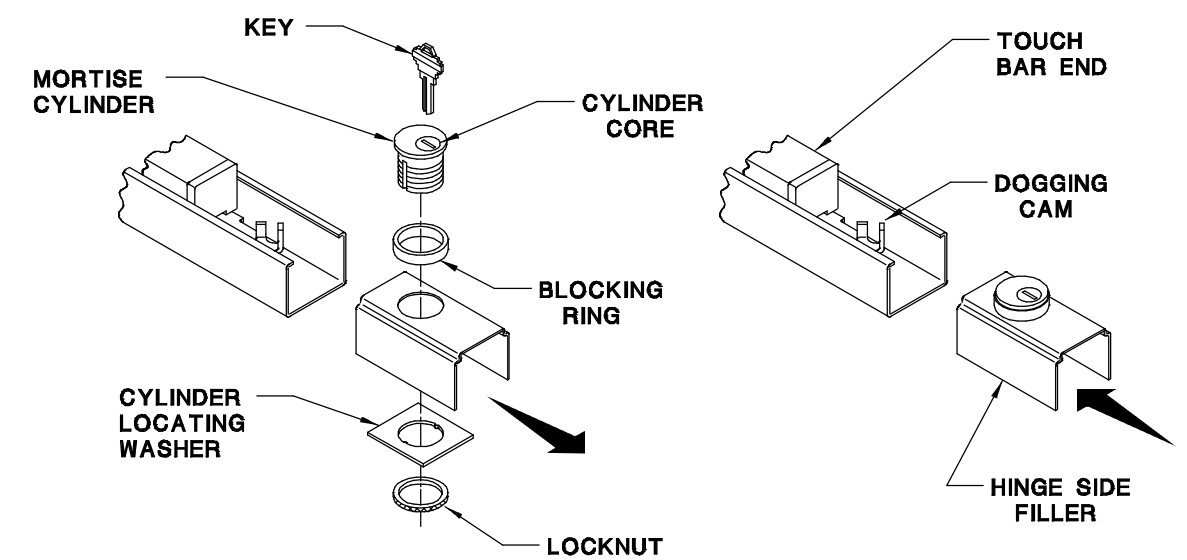
CHANGING FROM '01' TO '03' OR '08' FUNCTION
"03" REQUIRES N-03 CONVERSION KIT
"08" REQUIRES N-08 CONVERSION KIT

1. Insert "03" or "08" Cam into Chassis with raised edge towards the Touch Bar side of the device as shown and fasten with Rotor Clip.
2. Insert Trim Shaft into side of Chassis with flat as shown.
3. Attach both Cam Plates to Trim Shaft with screws and secure.

- CHANGING FROM '03' OR '08' TO '01' FUNCTION**
1. Remove screws and Cam Plates from Trim Shaft.
 2. Slide Trim Shaft out of Chassis.
 3. Remove Rotor Clip and Cam from Chassis.

OPTIONAL CYLINDER DOGGING

CYLINDER INSTALLATION INSTRUCTIONS
1-1/4" LONG STANDARD MORTISE CYLINDER REQUIRED

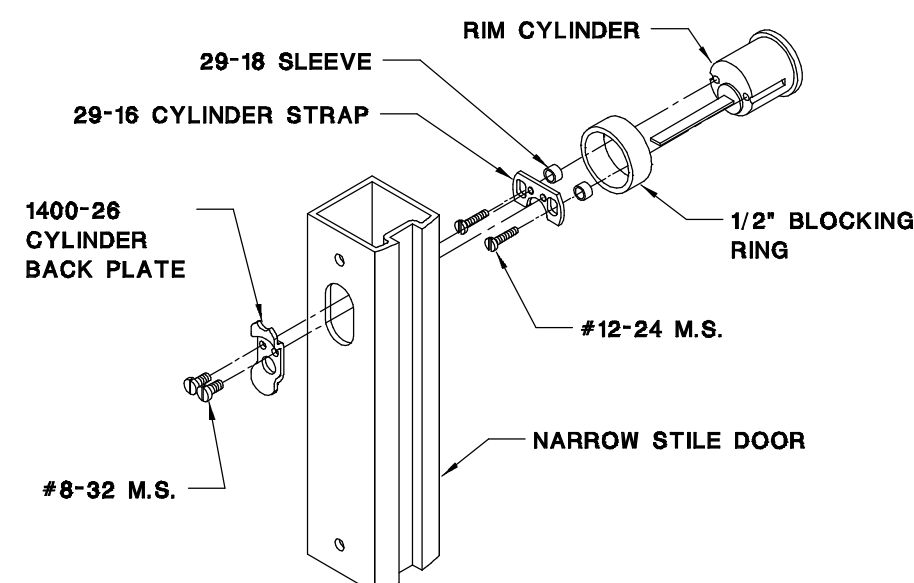


1. Slide hinge side filler out of channel.
2. Install cylinder.
 - a. Insert cylinder locating washer inside the hinge side filler.
 - b. Place blocking ring on outside of hinge side filler.
 - c. Position cylinder in hinge side filler with cylinder core away from touch bar end.
 - d. Fasten cylinder with locknut.
3. Slide hinge side filler into the channel. (Dogging cam must be in dogged down position)

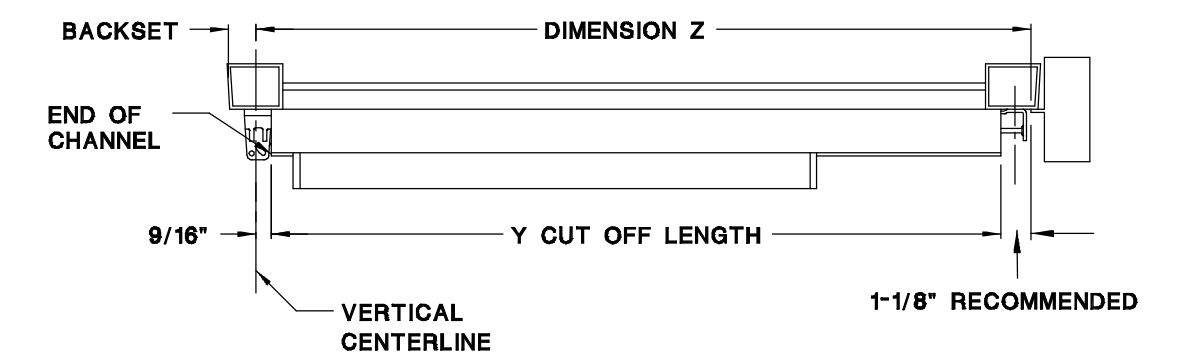
CYLINDER ONLY INSTALLATION

REQUIRES NCA-03 CYLINDER KIT

1. Attach Cylinder Strap and Sleeves to the Rim Cylinder with (2)#12-24 machine screws.
2. Insert Rim Cylinder thru Blocking Ring and outside hole as shown.
3. Position Cylinder Back Plate on inside of door as shown centered in the hole in the door and with the cylinder tailpiece thru the hole in the backplate. Secure with (2) #8-32 machine screws provided.
4. For cylinder tailpiece length see **STEP ③, ITEM 1.**



CUT DEVICE - IF REQUIRED



1. Determine cut off length "Y" by subtracting 1 1/16" from dimension "Z".
2. Mark cut off point (hinge side filler must be all the way inside of channel).
3. Cut off channel and hinge side filler and deburr.