Overview

Parts Included in Template System:
- Full Scope (FS) Template Rails, with ø 2-1/8” Crossbore Guides.
- FS Router Carrier (for 1- 3/4”, 2” & 2-1/4” Doors)
- FS Bridges, Stops and Twist Bolts
- 13/16” x 5” Router Bit
- 9” Magnum Bolt
- Deadbolt Actuator Wrench
- Lock Actuator Wrench
- Instructional DVD

All parts above available in Endura Item #: TC-TEMP-Complete.

Additional Parts Required:
- Porter Cable Router #7538 or #7539
- 1”x 2-1/2” Router Bit for 3000 Series Installation
- 57/64” x 2-1/2” Router Bit for 3070 Series Installation. (Endura Item# TC-TEMP-RTBIT-088)
- 1/2” Drill Bit
- VIX- Drill Bit
- Optional- ø 1-11/16” Cross-bore guides (Endura Item# TC-TEMP-BUSHING168)
Overview: Full Scope (FS) Template Rails

FS Template Rails

Top

8/0 Top Stop Location

6/8 Top Stop Location

6/8 Top Auxiliary Lock Location

Main Lock Cartridge Location

8/0 Top Auxiliary Lock Location

Lever Cross-Bore Centerline Mark

Cross-bore location

(Note- Template can only accommodate a 2-3/8” backset lock)

Bottom Auxiliary Location

Bottom Stop Location (All Door Heights)

Bottom
WARNING

1. Using power tools can be dangerous. Only trained personnel should operate power tools.
2. Follow all instructions provided by the equipment manufacturer.
3. Do not change or adjust router or drill bits while equipment is plugged in.
4. Proper personal protection devices, including but not limited to safety glasses and ear plugs, should be worn at all times while operating power tools.
Router Stop Set-Up

1. Router Turret Set up (for use with the 13/16” router bit.)

Setting Red Position and Yellow Position

A. Set router turret to lowest stop and mark stop head in red.
B. Rotate router turret to the adjustable stop position and mark stop head in yellow.
C. Adjust yellow router stop turret height to 1-1/4” above the red position, then lock in place.

2. Vertical Height Set Up

- Move and lock stop nuts at maximum height.
1. Position Template on Door Panel

A. Mount/and or stabilize the door with hinge edge facing downward.

B. Mark lever cross-bore centerline position.

C. Install stops in position according to door size. Do not fully tighten.

D. Install template on stile edge.

Orientation of stops

For 3000 Locks (1” locks)

- Top stop
  - 7/8” LOCKS
  - 1” LOCKS

- Bottom Stop
  - 1” LOCKS
  - 7/8” LOCKS

For 3070 Locks (7/8” Locks)

- Top stop
  - 1” LOCKS
  - 7/8” LOCKS

- Bottom Stop
  - 7/8” LOCKS
  - 1” LOCKS

See Diagram to the right.
1. Position Template on Door Panel (cont.)

E. Align template lever cross-bore mark with panel cross-bore center. Squeeze rails tightly against panel. Tighten rails against door by securing twist bolts.

F. Secure template rails with clamps at each end to ensure that the template does not move during fabrication.
2. Drilling the Crossbore and Mounting Screw Holes

A. Determine Crossbore size according to handle set style.

- Use ø 2-1/8 cross-bore for Eclipse, Pinnacle, Eclipse Grip, and Rocky Mountain Hardware.
- Use ø 1-1/16 cross-bore for Horizon and Emtek.

B. Drill (2) Crossbores.

   ![Drilling Crossbore](image1)

   **Note:**
   Be sure to ONLY drill half way through panel then drill the remaining half from opposite side. This will ensure a smooth cut out without splinters.

C. Drill ½ “ mounting screw hole

   ![Drilling Screw Hole](image2)

   **Note:**
   Be sure to ONLY drill half way through panel then drill the remaining half from opposite side. This will ensure a smooth cut out without splinters.
3. Routing for Lock Channel

- 3000 Series Lock use ø 1” router bit.
- 3070 Series Lock use ø 57/64” router bit.

A. Install router bit.

- Insert bit into collar.
- Tighten bit securely.

B. Center Router Carrier on door stile

- Place router on template rails.
- Adjusting the turn knobs on the side of the router carrier will center the router carrier on the door panel. There are two notches on the edge of the carrier to use as centering guides.
3. Routing for Lock Channel (Cont.)

C. Set plunge depth stop to ½ “.

- Move router downward until bit touches door stile edge, and lock router in place.
- Place Magnum Bolt on top of target stop then mover plunge stroke rod to the top of maximum bolt.
- Lock rod in place, setting 1/2” plunge stroke.

D. Route faceplate slot by traveling the entire distance between stops.

⚠ Note
Route several passes of increasing depth to obtain a smoother cut.

⚠ Caution: Remove sawdust near the end stops to ensure the router travels the full distance.
3. Routing for Lock Channel (Cont.)

E. Check slot fabrication with lock.

Place lock face down in routed channel.

⚠️ Note:

The lock I-beam should sit flush with the face of the stile.

Detailed cut away
4. Routing for Main and Auxillary Locks - 2” Deep Cut

A. Install 13/16” ø router bit approx. 3/8” deep.

- Place router in full up position.
- Place ø 13/16” bit in collet, do not tighten.
- Set bit to project 3/8- 7/16” above bottom of router carrier, then tighten collet.
- A magnum bolt can be used as an easy guide.

B. With the router stop turret in the yellow position, plunge router to 2” depth.

- Use the width of the bridge as a guide.
- These are clearance pockets, so a slightly deeper cut will help ensure appropriate clearance.
4. Routing for Main and Auxiliary Locks.

C. Install (6) bridges in the appropriate yellow positions on Router Template Rails.

Yellow Mark Position
4. Routing for Main and Auxiliary Locks.

D. Route sections between each bridge

- **Note**
  - Route several passes of increasing depth to obtain a smoother cut.

- **Caution:**
  - Remove sawdust near the end stops to ensure the router travels the full distance.

**Yellow Position Routing locations**

*6/8 configuration shown.*

*8/0 configuration shown.*
5. Routing for Main and Auxillary Locks- 3-1/4” Deep Cut

Cut 13/16” wide X 3-1/4” Deep (Red Areas)

A. Rotate the router stop turret to the red position.

B. Relocate all (6) bridges to red positions.

*6/8 configuration shown.
5. Routing for Main and Auxiliary Locks - 3-1/4” Deep Cut

C. Mount router & route three pockets to 3 ¼” depth.

**Note**
Route several passes of increasing depth to obtain a smoother cut.

**Caution:**
Remove sawdust near the end stops to ensure the router travels the full distance.

Red Position Routing locations

*6/8 configuration shown.

*8/0 configuration shown.
6. Install Lock

A. Check completed fabrication with lock

- Clean out all debris from routed channels and pockets.
- Place lock face up into routed channel.
- Ensure lock faceplate is flush with the panel stile.

B. Drive screws into lock Faceplate.

1. Pilot drill mounting screw holes with #9 Vix-Bit
2. Install #10x1-1/2” mounting screws
   - (6) for 6/8 lock
   - (7) for 8/8 lock
3. Ensure screw heads are flush with the lock faceplate.

Caution
Do not over tighten screws.
## 7. Final Check

### Check Deadbolt and Latch Functions.

Using the Deadbolt Actuator Lever and Lock Actuator Wrench, verify Lock and Handle Operation

1. Insert Lock Actuator Wrench into interior actuator hub and rotate it 90° to withdraw the latches. All three latches should withdraw into the edge of the door completely. Release Lock Actuator Wrench, and ensure the latches return to their original position (approximately ½” projection).

2. Insert Lock Actuator Wrench into exterior actuator hub and rotate it 90° to withdraw the latches. All three latches should withdraw into the edge of the door completely. Release Lock Actuator Wrench, and ensure the latches return to their original position (approximately ½” projection).

3. Insert Deadbolt Actuator wrench into deadbolt thumb-turn slot and operate 90°. Latch bolts should extend into dead-bolted position and be about 1” long. Push on the end of the three bolts to ensure that they remain extended.

4. Insert Lock Actuator Wrench into exterior actuator hub and Operate door. The exterior actuator hub should not turn, and latch bolts should remain in dead-bolted position.

5. Insert Lock Actuator Wrench into interior actuator hub and rotate 90°, the Lever actuator hub downward should turn and the latch bolts should fully retract.

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**Note**

If you push on the end of the activated deadbolts and they can be depressed, or the exterior lever will open the door, the system is not locked. If either of these occur, remove the lock from the edge of the door and repeat steps #1, #2 and #3 with the lock out of the door. If it still does not lock and any of the deadbolt can be depressed, the lock will need to be replaced. If it locks properly outside the door, but not when installed, the cause is typically a fabrication issue from:

- i. not enough clearance allowed for the drive bars to move 1" vertically,
- ii. sawdust left in the fabrication,
- iii. pockets off-center twisting the lock mechanism to the side.

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