DOOR OUTSIDE FACE
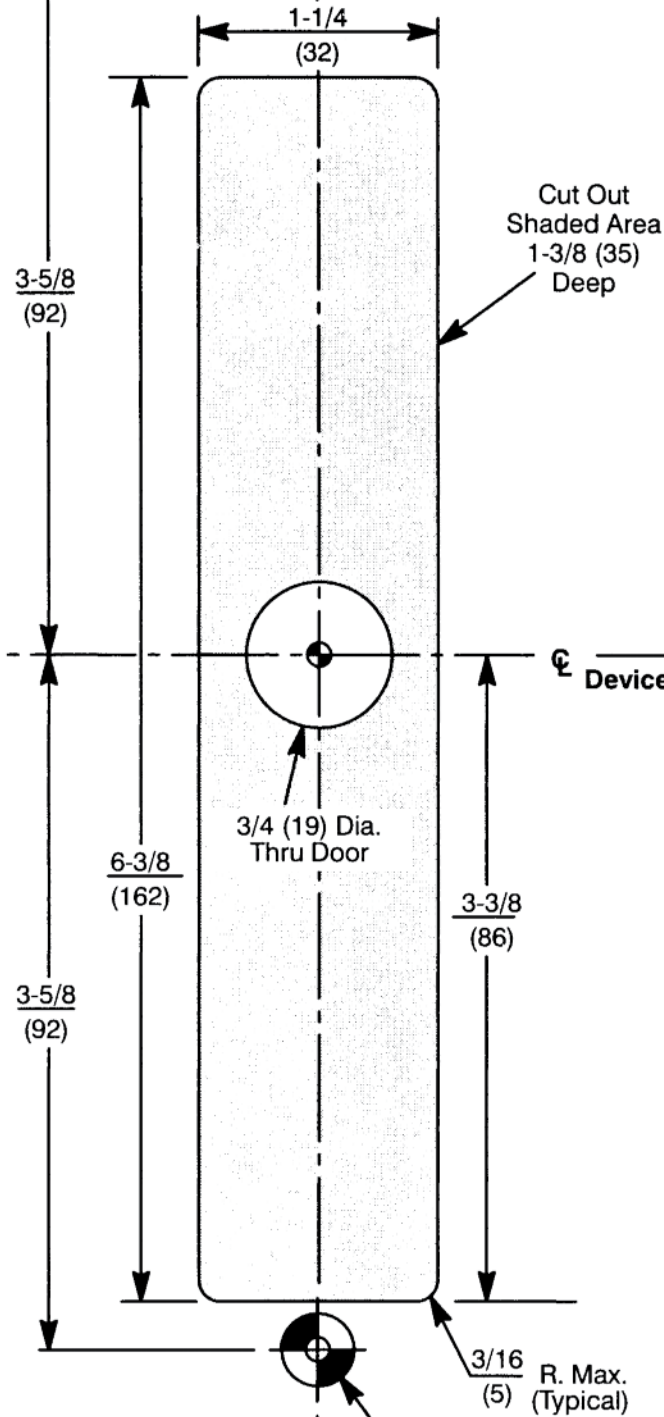
Centerline Device Mounting Holes & Trim

Note: Dimensions not to scale. Do not print and use template as a Door Marker.

1-1/4 (32)

3-5/8 (92)

Cut Out Shaded Area 1-3/8 (35) Deep

Centerline Device

3/4 (19) Dia. Thru Door

6-3/8 (162)

3-3/8 (86)

3-5/8 (92)

3/16 (5) R. Max. (Typical)

CUT LINE

3/8 (10) Dia. Thru —2 Holes—

Note: Dimensions not to scale. Do not print and use template as a Door Marker.

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Installation Instructions

1. Check box contents. (See other side for box components and assembly instructions.)

2. Carry "Centerline of Device Mounting Holes" to outside door face. Follow steps A and B below.

   A. MEASURE INSIDE LINE LOCATION.

   B. CARRY DIMENSION OVER TO OUTSIDE FACE.
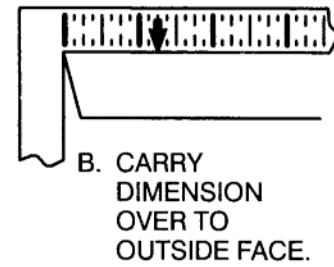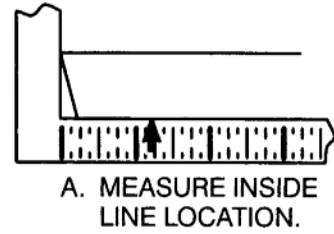
3. Carry horizontal "Centerline of Device" from inside to outside door face.

4. Align trim template and tape to door outside face.

   CAUTION: Office copiers and facsimile machines may change the size of a drawing and make the template inaccurate to use as a door marker. If this is not the original template packed with the trim, use only the dimensions written on the template to locate the holes and cutout on the door (do not use the template as a door marker).

5. Spot holes and prepare door for trim.

6. Mount trim to door. Fasten finger tight with 2 screws packed with device (See Figure 2).

7. With trim unlocked (tailpiece turning when lever is depressed or knob thumbturn is rotated), cut trim tailpiece as shown in Figure 1.

8. Seat device so that trim tailpiece penetrates cam slot, as shown in Figure 2. Continue as shown in device instructions.

Note:
Knob and thumbturn trim are not handed. Lever trim hand is field reversible. In door pairs, knobs must be no less than 3-3/4 (95) on centers.

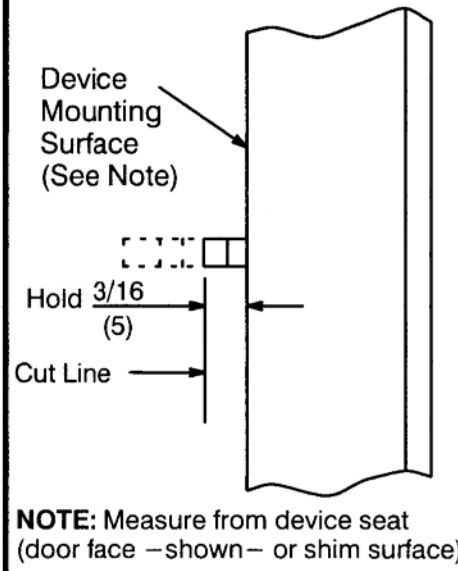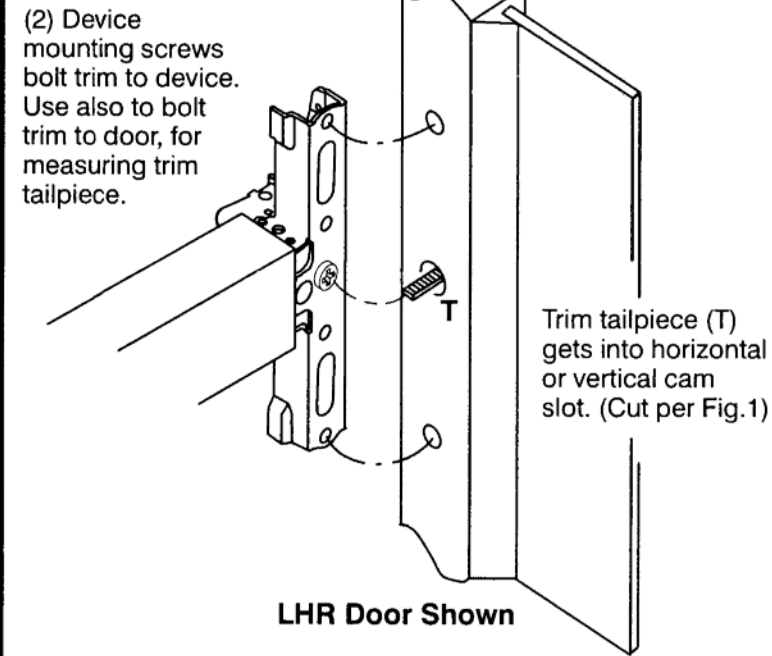### Figure 1.

Trim must be unlocked (tailpiece fully extended)

Device Mounting Surface (See Note)

Hold 3/16 (5)

Cut Line

NOTE: Measure from device seat (door face –shown– or shim surface)

Figure 2.

(2) Device mounting screws bolt trim to device. Use also to bolt trim to door, for measuring trim tailpiece.

T

Trim tailpiece (T) gets into horizontal or vertical cam slot. (Cut per Fig.1)

LHR Door Shown

Dimensions given in $\frac{inches}{(mm)}$

Cylinder Locks/Unlocks Knob, Lever or Thumbturn.

*855 key removable locked or unlocked

*859 key removable when trim is locked

*designates letter of grip design.

Passage: Knob/Lever/Thumbturn always active.

*810 and *850

1-5/8 (41)

9-1/2 (241)

*designates letter of grip design.

Dummy Trim (Knob/Lever rotates without engaging devices). **F02**, push-pull door while device is dogged (not for fire devices).

*810, *850, *855, *859 Trim Installation Template

* designates letter(s) of grip design

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ASSEMBLY INSTRUCTIONS

Trim	Requirement
G850, G810, O810	None
*810, *850	Check Hand (See illustration below.) To REVERSE HAND, remove and reassemble components marked (**), as shown.
*855, *859	
G855, G859, O855	Assemble Cylinder (see instructions at right).

*designates letter of grip design.

Rim Cylinder*
(May be supplied by others.)

Cylinder Collar *

Actuator**
Knob or thumbturn: Non-Handed. Lever: Hand as shown

LHR

RHR

(2) 1/4-20 Round Head Machine Screws
● 1-3/4 (44) door: Packed with device.
● Others: As orderd.

(2) Cylinder Mounting Screws*

Function Screw
(*855 shown)

Locking Screw**
(See Note below)

Spring**

Escutcheon Assembly
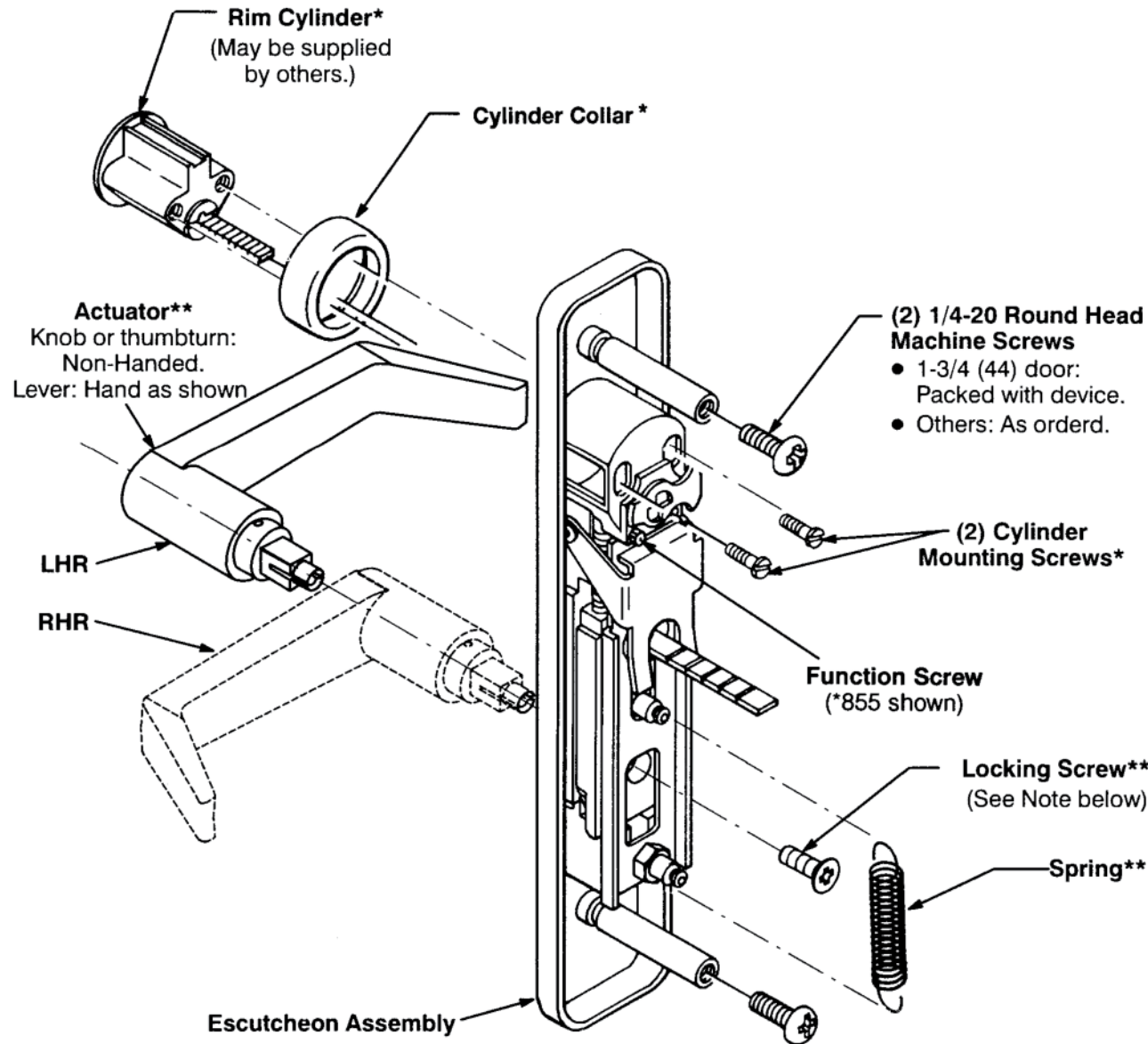
Note: When Locking Screw patch becomes worn or damaged, replace screw or use thread locking compound (available at auto parts stores).

Cylinder Assembly

1. Check cylinder components. Non-standard cylinders may require special collars.

2. Install cylinder using components marked (*). Insert cylinder into collar so that cylinder head is recessed. Slide cylinder into housing, passing tailpiece through slot in housing cam. Cut cylinder mounting screws to length, if required, and fasten cylinder securely. **(DO NOT OVERTIGHTEN SCREWS.)**

3. Check cylinder action. Cylinder must freely rotate tailpiece into lock (cam pushing locking lever down) and unlock (shown) positions. When locking lever is engaged, it depresses the trim spindle. The lever/knob/thumbturn is thus disengaged from the spindle.

4. Cut cylinder tailpiece **(Not trim tailpiece)**. Correct length is 1/16" to 3/16" (2 to 5mm) beyond Cylinder Housing cam.

5. Determine trim function.
*855: As shipped. Key locks/unlocks knob/lever/thumbturn/.
*859: Field move Function Screw to Cylinder Housing hole under cam tip. Key locks/unlocks knob/lever/thumbturn/. Key removable ONLY in locked position.

* designates letter(s) of grip design.

Corbin
Russwin
ASSA ABLOY

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