Attention Installer

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Yale Locks & Hardware makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

⚠ **WARNING**
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

08/2018

Rim Cylinder*
Standard. 1109 6-Pin, with 2 keys.
(May be supplied by others.)

Escutcheon Assembly

Cylinder Housing*

Yale Cylinder Collar*
599.419 Standard
Others: as ordered
(must use Yale Cylinder Collar)

(2) Cylinder Mounting Screws*
Standard:12-24 thread
Others: Supplied with cylinder

(2) Lockwashers**

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

Offset Pull **

#14 Finishing Washer
(512 only)

1/4-20 Oval Head Machine Screw
(512 only)

Pull Base Assembly **

(2) Posts**

599.419 CYLINDER COLLAR APPLICATIONS

Rim Cylinder

A

Cylinder Collar (Must be Yale's)

5/32 (4)

1-1/2 (38)

H

Collar Number	Collar Dim. "H"
599.419	19/32 (15)

Cylinder Length (Dim "A")	Cylinder Collar	Yale Cylinder	Cylinder Mounting Screws
Up to 1-9/16 (39)	599.419 (Std.)	6-Pin, Fixed Core	60-7000-1235-048 (Std.)
		7-Pin, Fixed Core	

For other cylinder types, refer to 7000 Series Exit Device catalog for collar information.

501F & 512F Trim

Assembly Instructions

1. Check cylinder components. See Chart. Non-standard cylinder collars should be identified on product order. Non-standard cylinder mounting screws are supplied with cylinders.

2. Assemble cylinder, use components marked (*). Insert Cylinder Housing prongs into Escutcheon matching notches. Pass Cylinder tailpiece thru Yale Cylinder Collar and Cylinder Housing. Bolt Cylinder seated in Cylinder Collar recess (DO NOT OVERTIGHTEN SCREWS). Cylinder must now work freely.

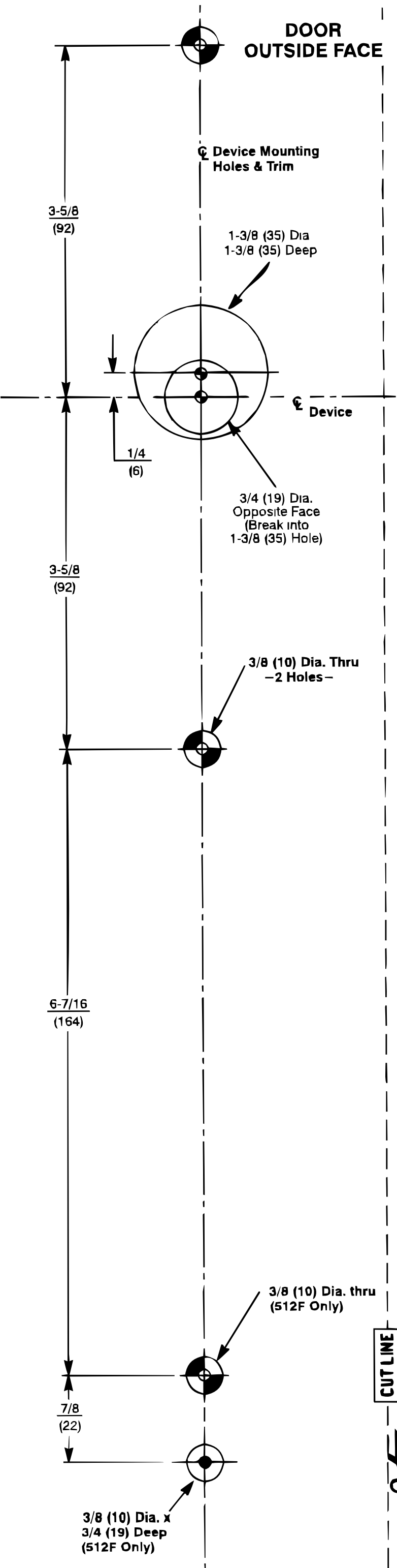3. **512F Trim Only:** Assemble pull, offset away from lockedge of door. Use components marked (**).

All dimensions are in inches (mm).

An ASSA ABLOY Group brand

80-8470-0501-000 (11-18)

ASSA ABLOY

DOOR OUTSIDE FACE

3-5/8
(92)

℄ Device Mounting
Holes & Trim

1-3/8 (35) Dia
1-3/8 (35) Deep

1/4
(6)

℄ Device

3/4 (19) Dia.
Opposite Face
(Break into
1-3/8 (35) Hole)

3-5/8
(92)

3/8 (10) Dia. Thru
—2 Holes—

6-7/16
(164)

3/8 (10) Dia. thru
(512F Only)

7/8
(22)

3/8 (10) Dia. x
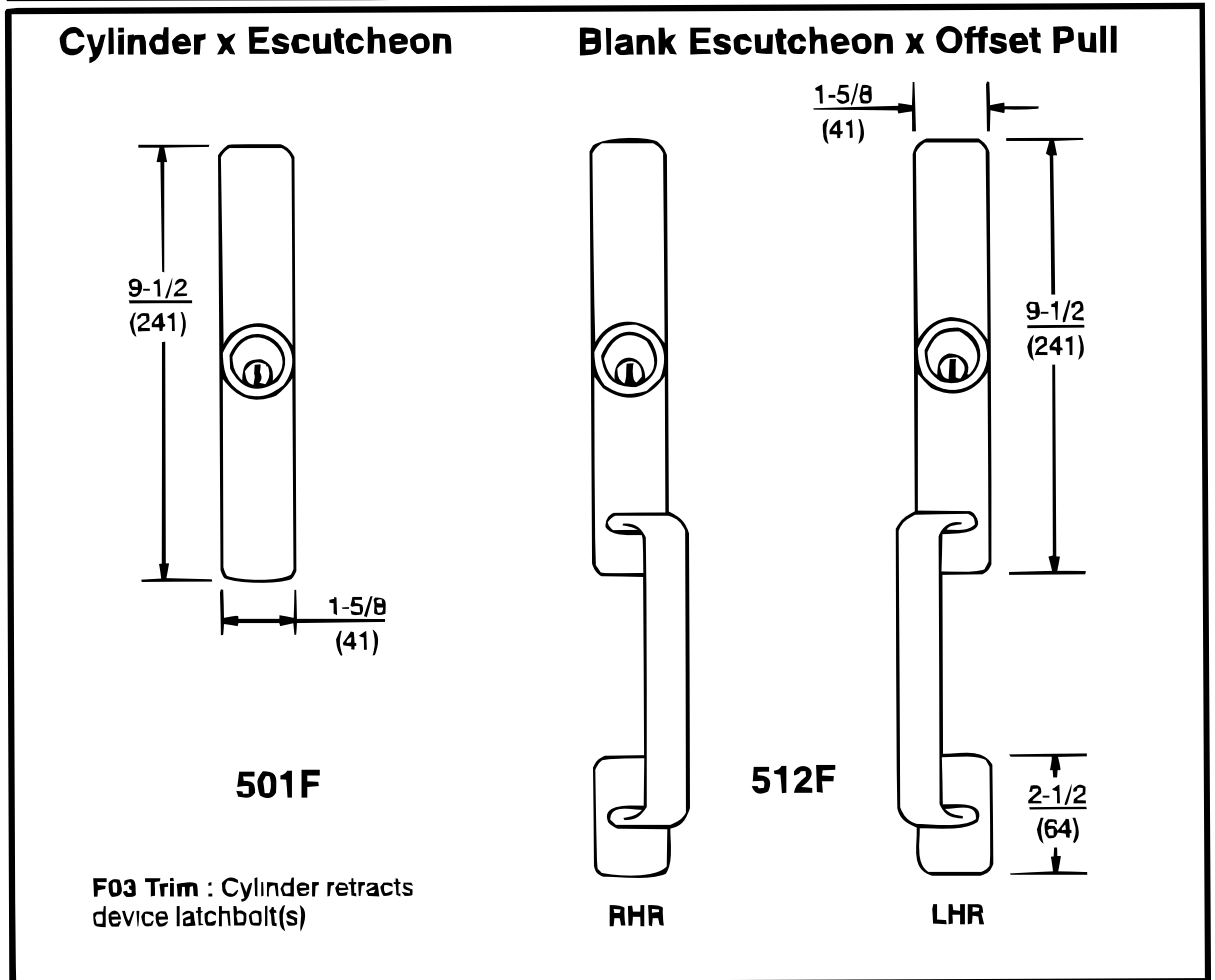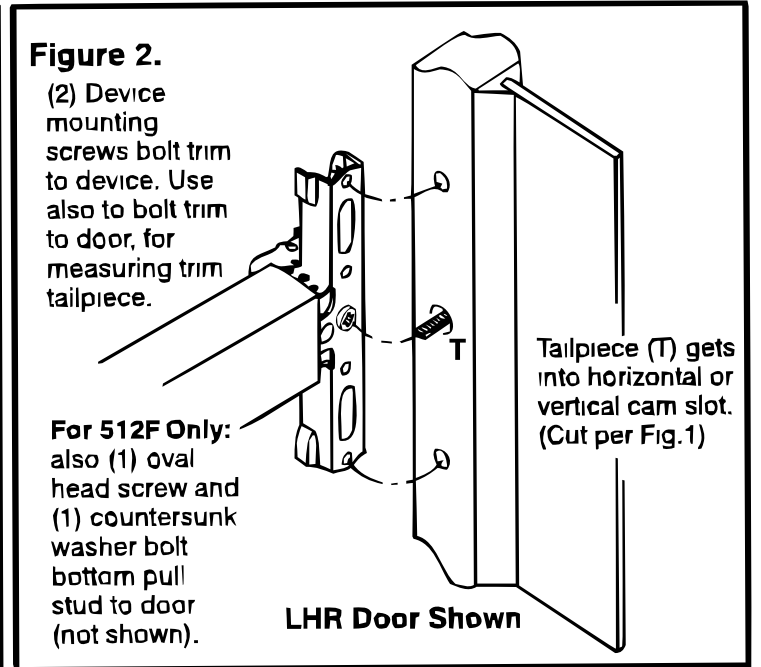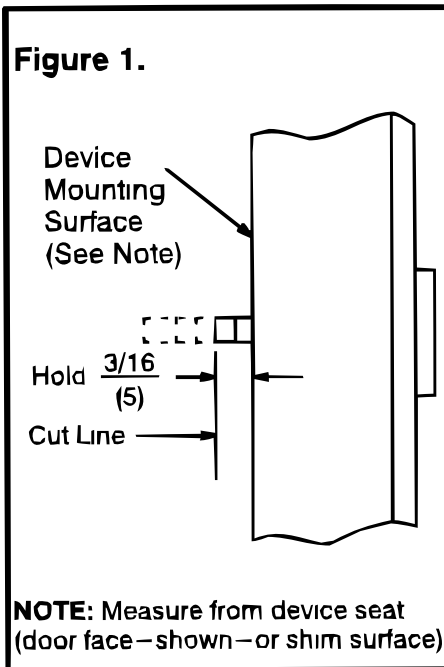3/4 (19) Deep
(512F Only)

CUT LINE

Installation Instructions

1. Pull trim becomes handed after assembly (parts are universal). See other side for components and instructions.

2. After marking door inside face for device location (Device Instructions), carry "Centerline of Device Mounting Holes" from outside door face. Follow steps 2a and 2b, below.

2a. MEASURE INSIDE LINE LOCATION.

2b. 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 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. 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. Bottom pull post of 512F trim fastens to door, with oval head screw seated on countersunk washer (packed with trim).

Figure 1.

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.

For 512F Only: also (1) oval head screw and (1) countersunk washer bolt bottom pull stud to door (not shown).

T

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

LHR Door Shown

Cylinder x Escutcheon

9-1/2
(241)

1-5/8
(41)

501F

F03 Trim : Cylinder retracts device latchbolt(s)

Blank Escutcheon x Offset Pull

1-5/8
(41)

9-1/2
(241)

512F

RHR

2-1/2
(64)

LHR

Dimensions given in inches/(mm).

ASSA ABLOY