

Mortise Exit Device

Series 2300 | FL2300

Installation Instructions

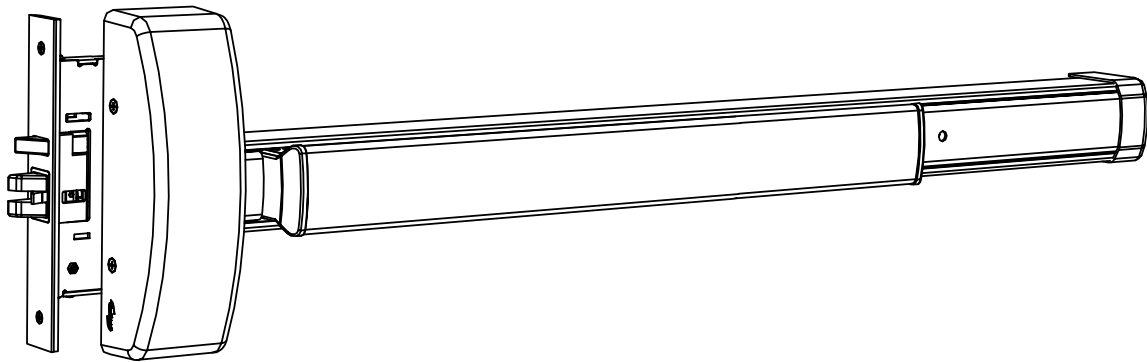


Table of contents

1	Important safety information	3
1.1	Safety warnings	3
2	Technical specifications	3
2.1	Tools needed	3
2.2	Measurements	3
2.3	Overview and parts list	4
2.4	Changing mortise handing	4
3	Device preparation	5
3.1	Changing handing	5
3.2	Cutting device (if necessary)	6
4	Installation instructions	7
4.1	Prepping door	7
4.2	Installing device	8

1 Important safety information

1.1 Safety warnings

1.1.1 Safety instructions: To reduce risk of injury or damage, carefully read and follow safety warnings, cautions and notices provided.

1.1.2 Safety warnings: Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

 **WARNING**

1.1.3 Safety cautions: Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

 **CAUTION**

1.1.4 Notice: Indicates information considered important but not directly hazard-related.

NOTICE

- Protect inside of device from metal shavings.

2 Technical specifications

2.1 Tools needed

Table 1

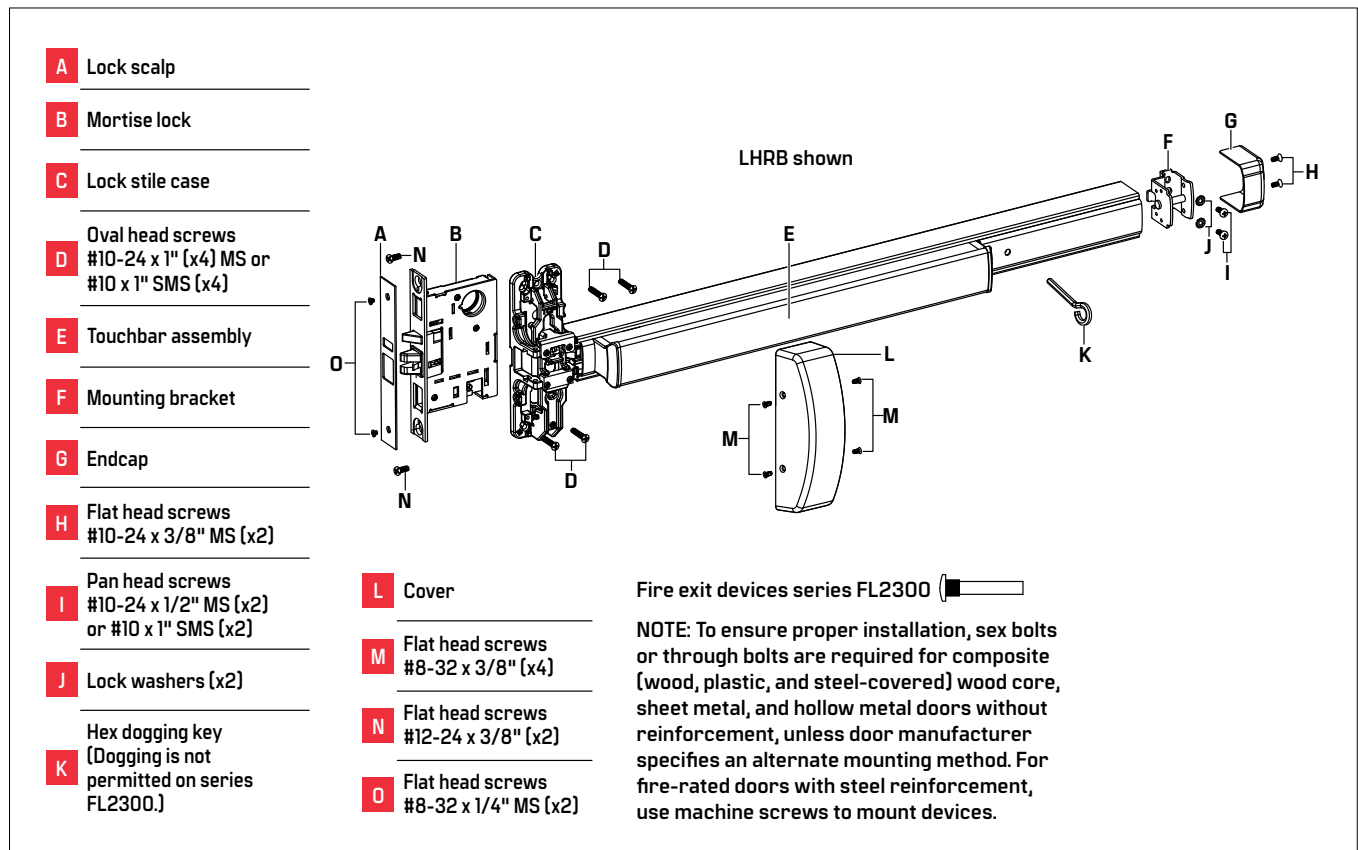
Phillips head screwdriver	Level	Drill bits: 3/32", #16, 1/4", 5/16", 3/8", 9/16", 5/8", 1"	Hacksaw
Flat head screwdriver	Drill	Hole saw: 1-1/8", 1-3/16", 1-3/8", 1-3/4"	Tap: #10-24, #12-24

2.2 Measurements

2.2.1 All dimensions are given in inches [millimeters].

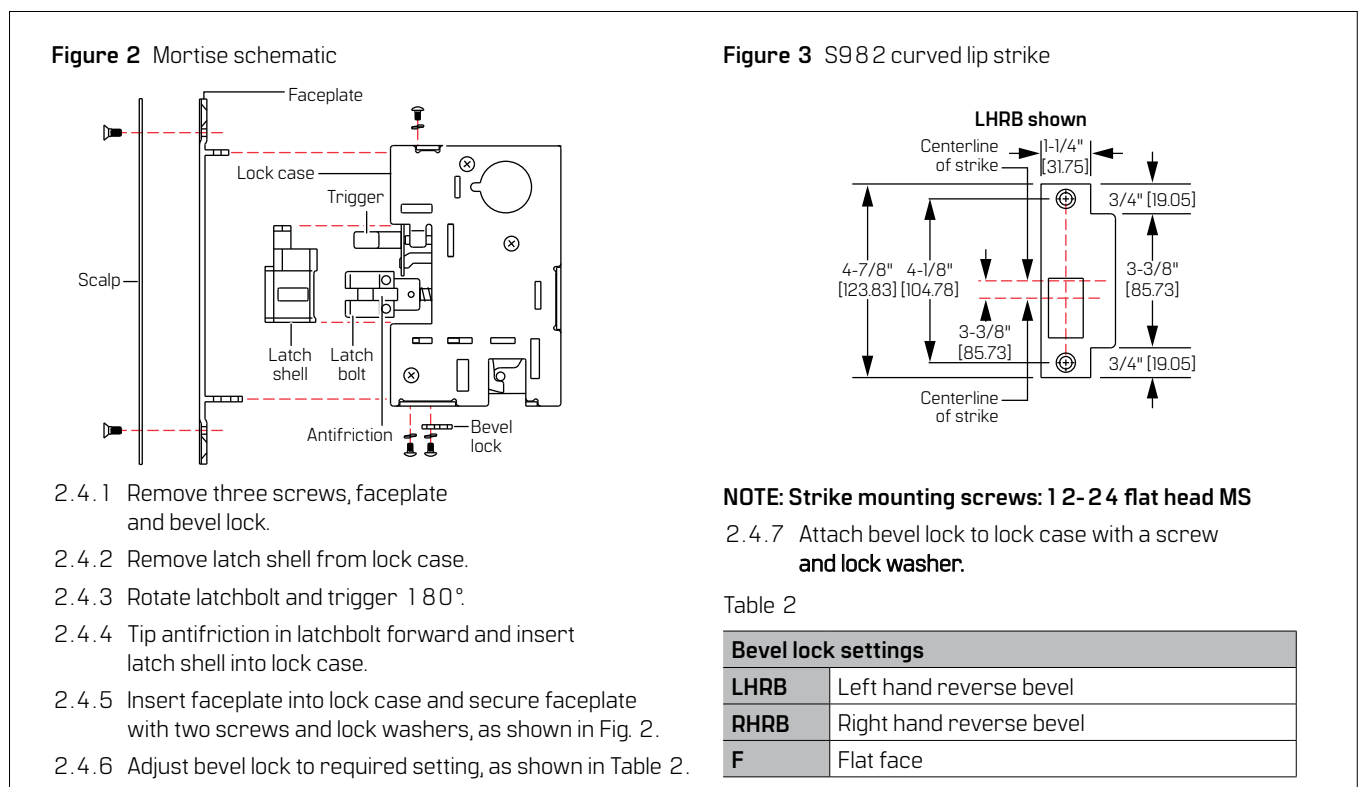
2.3 Overview and parts list

Fig. 1



2.4 Changing mortise handing

Fig. 2, Fig 3, Table 2

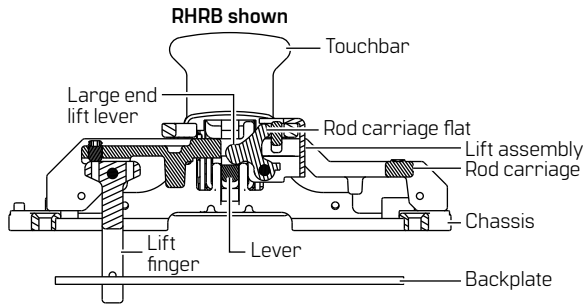


3 Device preparation

3.1 Changing handing

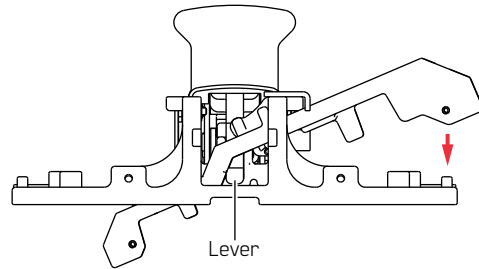
Fig. 4, Fig 5, Fig 6, Fig 7

Figure 4 RHRB shown



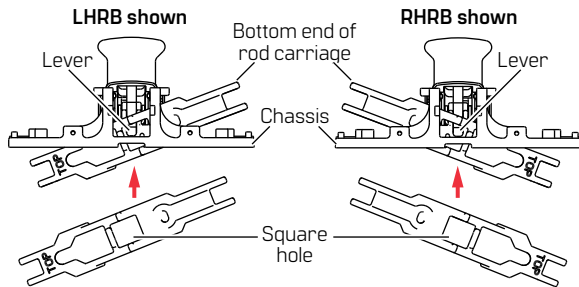
- 3.1.1 Remove four screws and backplate.
- 3.1.2 Place device on bench so chassis extends beyond edge of bench.
- 3.1.3 Remove lift finger, pin and retaining ring.
- 3.1.4 Remove two screws and lift assembly.

Figure 5 Rod carriage



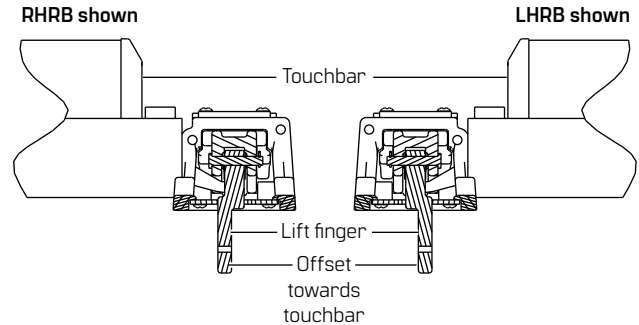
- 3.1.5 Slide rod carriage end marked TOP toward lever.
- 3.1.6 Rod carriage will begin to fall, as shown in Fig. 5.

Figure 6 Lift lever



- 3.1.7 Rotate rod carriage until it falls out.
- 3.1.8 Insert bottom end of rod carriage into opposite side of chassis, as shown in Fig. 6.
- 3.1.9 With lever in square hole, rotate rod carriage 90° so it is in same position as shown in Fig. 5.
- 3.1.10 Push up and slide rod carriage onto chassis.

Figure 7 Lift finger



- 3.1.1.1 Insert lift assembly into rod carriage, making sure large end of lift lever is on top of lever, while other end is against rod carriage flat.
- 3.1.1.2 Secure lift finger with pin and retaining ring making sure offset is towards touchbar, as shown in Fig. 7.
- 3.1.1.3 Attach lift assembly with two screws.
- 3.1.1.4 Secure backplate assembly with four screws.

3.2 Cutting device (if necessary)

Fig. 8, Fig. 9, Table 3

Figure 8 Device schematic

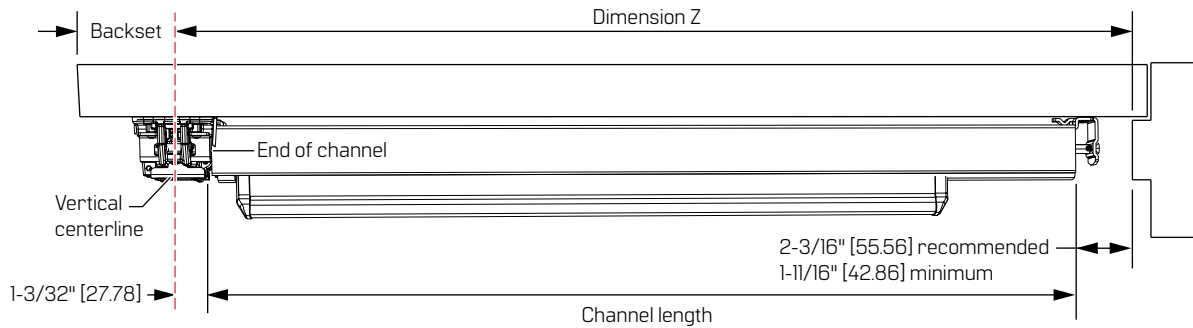
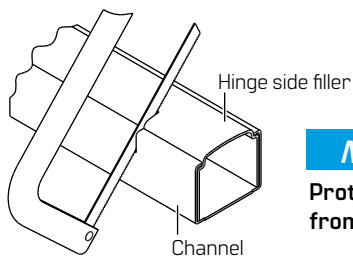


Figure 9 Cutting device



NOTICE

Protect inside of device from metal shavings.

NOTE: If necessary, cut device.

- 3.2.1 Determine proper channel length by subtracting 3-1/4" [82.55] from dimension Z.

NOTICE

If your device is equipped with ALK, CD, DE or DS then please refer to appropriate instruction sheet listed below prior to cutting device.

Table 3

ALK	Alarm kit	T93642
CD	Cylinder dogging	T93616
DE	Delayed egress	T93654
DS	Door position	T93668

- 3.2.2 Mark cut-off point.

NOTE: Ensure hinge side filler is fully inside channel.

- 3.2.3 Cut off channel and hinge side filler and deburr.

4 Installation instructions

4.1 Prepping door

Fig.10, Fig.11

Figure 10 Mortise lock machining detail

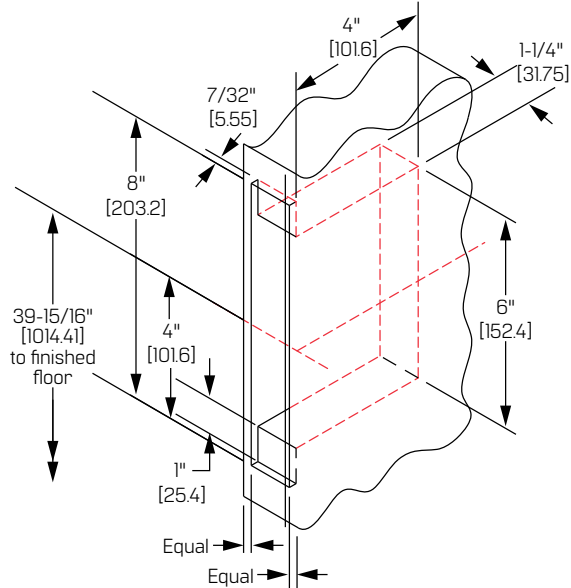
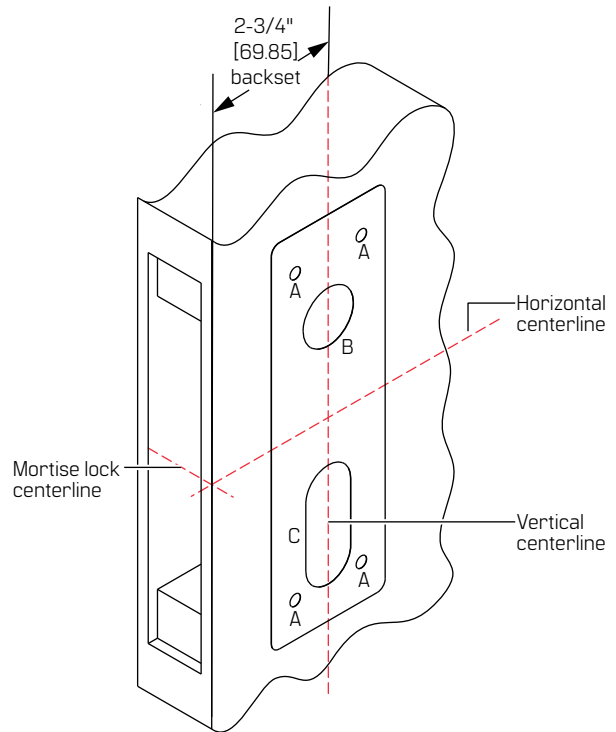


Figure 11 Door prep



NOTE: For doors with bevel edge, 2-3/4" [69.85] backset must be from center of door edge.

- 4.1.1 If specified, circle trim number for various locations on trim template.
- 4.1.2 If door is not pre-machined for mortise lock, see "Mortise lock machining detail", as shown in Fig. 10 to mortise door.

NOTE: If trim is specified, continue horizontal centerline on inside face of door and to outside face of door.

- 4.1.3 Mark vertical centerline on lock side using 2-3/4" [69.85] backset dimension.

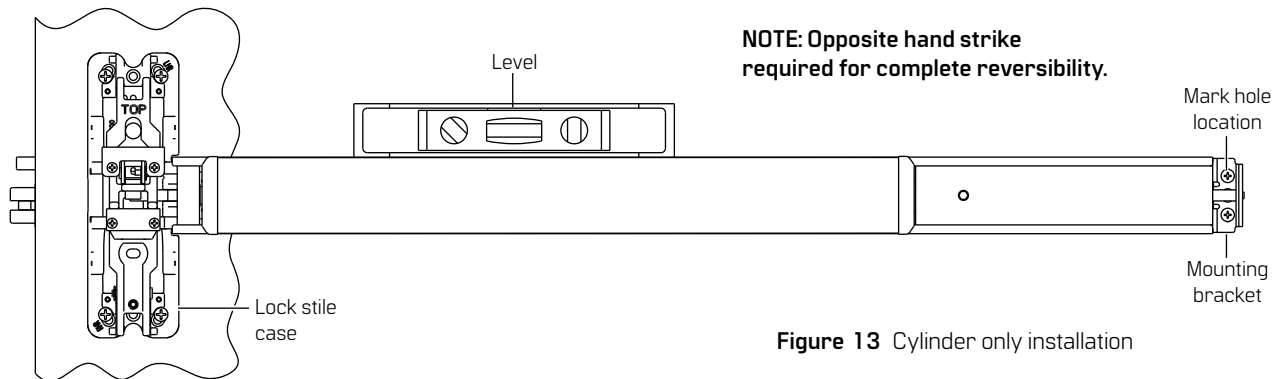
NOTE: If trim is specified, mark vertical centerline on outside face of door using 2-3/4" [69.85] dimension.

- 4.1.4 Tape lock stile case template and (trim template, if specified) to door, aligning centerlines on template with centerlines on door.
- 4.1.5 Mark centerpoints and drill required holes, as indicated on templates.
- 4.1.6 Install mortise lock into door and strike to frame with provided screws.

4.2 Installing device

Fig. 12, Fig. 13, Fig. 14, Fig. 15

Figure 12 Mortise exit device series 2300|FL2300



NOTE: If trim is specified, see trim installation instructions packaged with trim.

NOTE: If exit device has electrical or other options, see specific option instructions packaged in exit device carton.

4.2.1 Lock stile case mounting:

- **Device with trim:** See trim instructions.
- **Cylinder only:** Install mortise cylinder into mortise lock, as shown in Fig. 13. Check key operation and secure cylinder in place by tightening cylinder set screw in lock case. With device finger below lifting bars, mount lock stile case with four screws.
- **Exit only:** With device finger below lifting bars, mount lock stile case to door with four screws.

4.2.2 Check operation

- Latchbolt should be fully extended when touchbar is in extended position.
- Latchbolt should be fully retracted when touchbar is depressed or device is dogged down.
- If above condition does not exist, adjust lift finger with adjusting screw.

4.2.3 Insert mounting bracket into touchbar assembly tight against channel.

4.2.4 Level device.

4.2.5 Mark and drill two holes for #10 sheet metal screws or #10-24 machine screws.

4.2.6 Fasten mounting bracket to door and attach endcap with two flat head screws.

4.2.7 Attach cover to lock stile case and attach lock scalp to lock faceplate.

Figure 13 Cylinder only installation

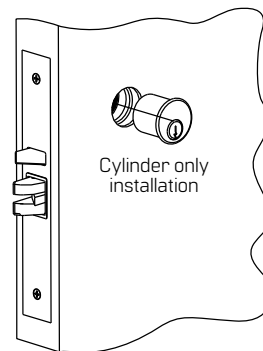


Figure 14 Cylinder only installation

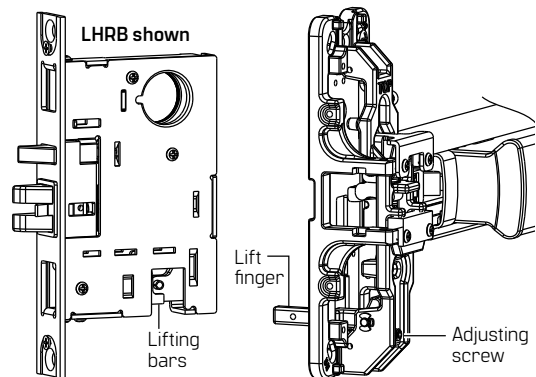
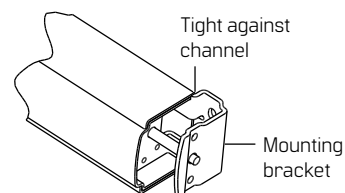


Figure 15 Mounting bracket



Document translations available.

Scan for product details and downloads.

Call 1-800-392-5209 or visit

<https://dhwsupport.dormakaba.com/hc/en-us>
for assistance and warranty information.

⚠ WARNING! This Manufacturer advises that no lock can provide complete security by itself. This lock may be defeated by forcible or technical means, or evaded by entry elsewhere on the property. No lock can substitute for caution, awareness of your environment, and common sense. Builder's hardware is available in multiple performance grades to suit the application. In order to enhance security and reduce risk, you should consult a qualified locksmith or other security professional.