

RENOVATIONOUTLET

door hardware at unbeatable price

Mortise Lock Installation Instructions

TOOLS REQUIRED

- | | | | |
|---|--|----|--|
| 1 | Pencil | 9 | Combination Square |
| 2 | No. 2 and No. 3 Phillips Head Screwdrivers | 10 | Awl |
| 3 | No. 1 and No. 2 Slotted Screwdrivers | 11 | Hacksaw |
| 4 | 1/8" Allen Head Wrench | 12 | File (Wood Rasp and Metal) |
| 5 | 3/4" Wood Chisel or Corner Chisel | 13 | Drill and assorted Drill Bits (1/16", 1/8", 5/16", 3/8", 3/4", 1", 1-1/4") |
| 6 | Measuring Device | 14 | Screw Wax or Soap |
| 7 | Lock Mortising Tool (Recommended) | 15 | Powder Chalk, Graphite or Lipstick |
| 8 | Router and Lock Face Template | | |

Note: In order to successfully install a mortise lock and trim, a minimum of average skill level is required with use of the above listed tools.

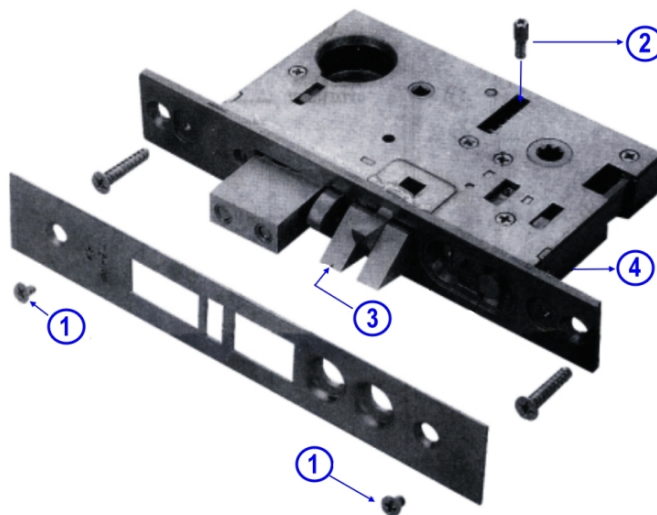
Read and understand the provided instructions BEFORE attempting to mark or cut the door and/or frame.

Instructions for door handing

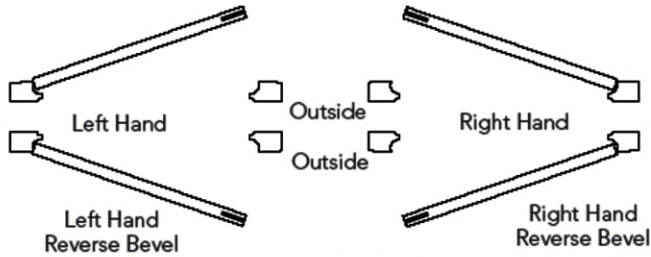
HOW TO REVERSE HANDING

Following these steps:

1. Remove Part No. ① Screw from armored front of the lock.
2. Remove Part No. ② Dowel screw of latch bolt, pull out Part No. ③ Latch bolt and reverse its direction (if reversing of the latch bolt presents tightness. Loosen Part No. ④ Adjusting screw of the front bevel)
3. Re-fasten Part No. ② and ① tightly.
4. Test lock function before CLOSING DOOR.



DOOR CONDITIONS



HAND OF DOOR IS ALWAYS DETERMINED FROM THE OUTSIDE

Here are some rules to follow:

- The outside of an exterior door is the street or entrance side.
- The outside of a room is the hall side.
- The outside of a single communicating door is the side from which the hinges are not visible when the door is closed.
- The outside of a closet door is the room or hall side.

GENERAL NOTES

Paper template is designed for 1-3/4" thick doors. For extra thick doors, measure backset from center of door edge. Tape supplied template to the door to locate fastener pattern for lock and trim.

When installing hardware on metal or fiberglass doors, ensure the door was designed to accommodate mortise locks. If in doubt, check with your local door distributor or door manufacturer.

Removal of hardware from doors is recommended before painting and finishing of the door. Allow paint/stain to fully cure before reinstalling hardware, usually ten days to two weeks. Check paint manufacturer instructions.

Retain these instructions in a safe place should you need to disassemble the lock trim

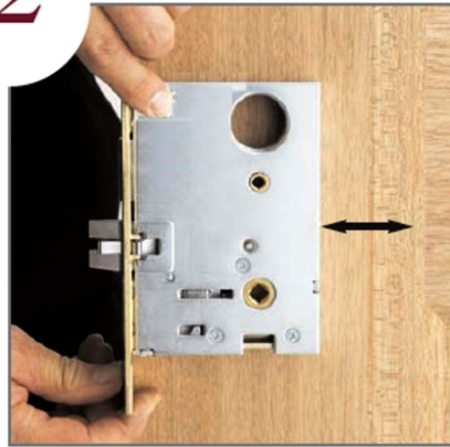
Mortise Lock Handleset Installation Instructions

1 Mark the Door



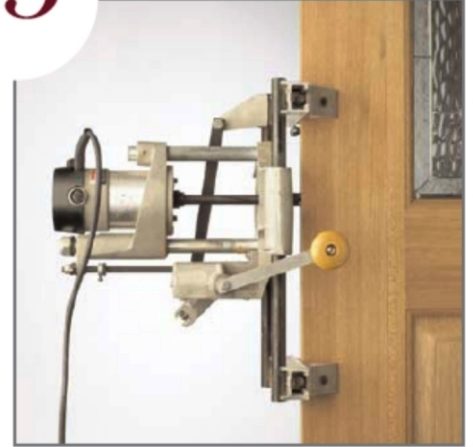
Mark the door at 37-1/2" - 40" above finished floor, or if retrofit, at appropriate location to coordinate with existing strike preparations. This will be center line of the lock and will put the knob/lever at 36" - 39" above the floor.

2 Double Check Compatibility of Door Stile & Trim



Make sure that the door stile will accommodate the intended lock.

3 Mortise Lock Pocket For Lock Body



Mortise the pocket in the door 1/8" deeper than the lock being installed. Refer to the **Installation Template Guide Chart (blue sheet)** for exact size of mortise pocket.

4 Prepare for Lock Front



Rout for the lock front.

5 Prepare for Lock Front



Square the Corners.

6 Cut Relief Pockets



Cut the relief pockets 3/8" deep on both sides for the Latch Hinge, 2-1/2" and 2-3/4" backset only. (Does not apply for 1" front.)

7 Drill Holes



Drill appropriate holes as indicated on lock template. **DO NOT OVERSIZE HOLES.** Only top two holes are drilled for knob to knob and lever to lever sets.

8 Install Cylinder Plug



Thread the cylinder plug into interior side of lock. Place a strip of tape over plug to keep it from turning. Notch must be located as shown. (Double cylinder functions: OMIT THIS STEP.)

9 Install Lock



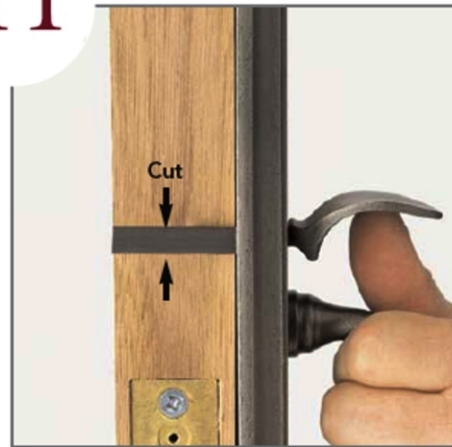
Drill two pilot holes for the lock face, adjust the bevel and install the lock. Shim between the lock and door on cylinder side as shown to prohibit the cylinder from pulling the lock case off center. (Failure to shim the lock may cause the cylinder to sit unevenly on the surface of the trim.)

10 Insert Spindle



For handleset trim install the spindle from the inside with V groove facing bottom door hinge and thread the screw and lock washer into the spindle from the outside. Tighten securely.

11 Size Thumbpiece



Cut the thumbpiece so that it will fully engage the lift lever on the bottom of the lock.

12 Install Cylinder



Place the cylinder through the trim. Partially insert key into cylinder. Thread the cylinder into the lock until it is against the trim and name is horizontal.

13 Install Thru-Bolts



Start the thru-bolts which will hold the exterior trim. (Use screw cover washer under the bottom thru-bolt.) Tighten both securely.

14 Size & Cut Thumbturn



Cut the thumbturn tailpiece so that it goes halfway through the lock (as in step 12).

15 Install Interior Trim



Place the interior trim on the door. Drill pilot holes and fasten interior trim with supplied fasteners.

16 Complete Trim Installation



Start the set screw before sliding the knob or lever onto the spindle. Slide knob or lever onto the spindle and tighten securely.

17 Install Screw Cover



Thread decorative screw cover onto threaded washer.

18 Tighten Cylinder Set Screw



Tighten the cylinder set screw by turning clockwise. **Do not over tighten. Do not use a power screw driver.**

19 Install Armor Front



Install the armor front with the small phillips head screws supplied.

20 *Mark and Mortise Jamb for Strike Location



Mark the Jamb for the proper strike location. Coat extended latch bolt with graphite, powdered chalk or lipstick. Retract the bolt, close the door and actuate the knob or lever several times to mark the jamb. Add approximately 1/32" clearance from that mark.

21 Install Strike Plate



Install strike plate with supplied screws.

* APPLY ANY WEATHERSTRIPPING BEFORE STRIKE HAS BEEN INSTALLED.