

Montana Forge Handleset Installation Instructions

Read the instructions carefully before you begin installation. They provide important information on how to prepare your door and install your handleset properly. **BEFORE PROCEEDING:**

- Check your door thickness. Be sure your door thickness is between 1-3/4" to 2-7/8".
- Confirm the backset of your door to be either 2-3/8" or 2-3/4".
- Match your Handleset latches backset with your backset on your door.

TOOLS NOT INCLUDED BUT NEEDED FOR NEW INSTALLATION:

- Phillips head screwdriver.
- Power Drill and 3/8" drill bit, 1" drill bit, 2-1/8" hole saw or drill bit.
- Hammer, and 1" Chisel..

<h3>1. MARK DOOR</h3> <ol style="list-style-type: none"> 1. Start approximately 36" to 38" from floor, select backset, & apply template onto high edge of bevelled door. Tape in place if necessary. 2. Mark hole center on door face for deadbolt. 3. Mark hole center on door face for handleset. 4. Mark hole center on door face for lower thru bolt. 5. Mark hole center on door edge for deadbolt latch. 6. Mark hole center on door edge for handleset latch. 	<h3>2. BORE FIVE (5) HOLES</h3> <ol style="list-style-type: none"> 1. Drill a 2-1/8" hole through the door face. 2. Drill a second 2-1/8" hole through the door face. 3. Drill a 3/8" hole through the door face. 4. Drill two (2) 1" holes in the door edge. <p><i>Note: it is recommended to first drill a pilot hole with 1/8" drill bit through the door, and then drill the larger holes from both sides of the door for steps 1, 2, and 3 to avoid splitting and jagged edges.</i></p>
<h3>3. MORTISE DOOR EDGE FOR LATCHES</h3> <ol style="list-style-type: none"> 1. Insert Deadbolt latch into hole in door edge. Keep the latch face parallel & mark an outline of latch face with pencil. Remove latch. Repeat for the handleset latch. 2. Chisel 1/8" mortise in door edge. 3. Insert latches into holes & tighten with wood screws. <p><i>Notes: Handleset latch bolt bevel must face to the closing direction of the door. Crank hole must be in the down position.</i></p>	<h3>4a. MOUNT "MONTANA FORGE" TRIM</h3> <ol style="list-style-type: none"> 1. Insert short end of spindle into handleset chassis. The short end has 4 raised stops on it. 2. Insert the handleset through the latch and onto the door. Make certain the grooves on the spindle are oriented facing up and down. Press the thumbpiece to ensure it will retract the latch. 3. Visually align the handleset parallel to the edge of the door to ensure proper alignment to interior trim.
<h3>4b. MOUNT "COPPER CREEK" TRIM</h3> <ol style="list-style-type: none"> 1. Insert short end of spindle into handleset chassis. The short end has 4 raised stops on it. 2. Insert the handleset through the latch and onto the door. Press the thumbpiece to ensure it will retract the latch. 3. Thread in thru-bolt screw through washer into thru-bolt nut from inside door and leave loose for now. 4. Insert the cylinder into handleset & tailpiece through the deadbolt latch. 5. Rotate thumb turn to vertical position and slip assembly onto Tailpiece. Thread in mounting screws, leave loose for now. 6. Install interior knob/lever assembly onto the spindle. Rotate knob/lever to ensure latch is retracting. Align the screw holes up with the screw posts, insert mounting screws and tighten gently. Do not over-tighten. 7. Tighten deadbolt turnpiece mounting screws. Do not over-tighten and distort the turnpiece. 8. Tighten Thru-bolt mounting screw and install beauty cap onto washer. 	<h3>1 PIECE ESCUTCHEON MOUNTING</h3> <h3>SECTIONAL MOUNTING</h3>
<h3>5. INSTALL STRIKES ON JAMB</h3> <ol style="list-style-type: none"> 1. Close door until latch bolt touches the door jamb. Mark the horizontal center line along the latch face onto the jamb. 2. Measure one half of the door thickness from the door stop and mark vertical center line onto the jamb. 3. Extend the horizontal center line and vertical center line, then mark the center points for the strikes onto the jamb. 4. Place strikes in position and mark outline of strikes. <ol style="list-style-type: none"> 1. Drill a 1" hole, 1-1/8" deep in the door jamb at the upper center for the deadbolt latch. 2. Drill a 1" hole, 9/16" deep in the door jamb at the lower center for the handleset latch. 3. Chisel outline for the strikes 1/16" deep or until strikes are flush with door jamb. 4. Install the strikes and tighten wood screws. 	<ol style="list-style-type: none"> 1. Insert the cylinder into the handleset & tailpiece through the deadbolt latch. In the horizontal position. Make sure the tailpiece is positioned 1/2 way through its rotation. 2. For 1 piece application, position 1 piece mounting plate onto door over handleset spindle and cylinder tailpiece through respective openings. Note arrow showing correct orientation of mounting plate and push plate against the door. Ensure plate fits in the holes flush, then thread in assembly screws for deadbolt cylinder and handleset and tighten snugly. Ensure smooth operation of deadbolt cylinder and thumb latch. If binding occurs loosen the mounting screws, re-align mounting plate then retighten mounting screws. 3. For Sectional application first position deadbolt escutcheon trim over cylinder tailpiece and push against door. Thread in mounting screws for deadbolt cylinder but leave loose for now. Then slide the knob/lever mounting plate over handleset spindle and push against door. Thread in mounting screws and loosely tighten. Finish tightening the deadbolt mounting screws snugly and ensure smooth operation of the cylinder. If binding occurs loosen the mounting screws and realign the plate, then retighten. Finally tighten the knob/lever mounting plate screws snugly. 4. Using included Allen Key tighten set screw on lower plate chassis (1-piece escutcheon application), or knob/lever chassis (sectional application). 5. Thread in thru-bolt screw through washer into thru-bolt nut from inside door and tighten snugly. Thread on beauty cap to washer over thru-bolt and hand tighten only. 6. For 1 Piece Mounting position 1 piece escutcheon over mounting plate, secure with small collar washer in upper hole, and large collar washer in lower hole. Collar washers are hand tightened with white plastic tool. 7. Place clear washer over upper chassis spindle and then position deadbolt turnpiece onto spindle, secure with set screw and hand tighten with enclosed small Allen Key. 8. Place clear washer over lower chassis spindle, attach lever or knob trim, secure with set screw and hand tighten with enclosed small Allen Key.
<h3>6. ADJUSTABLE LATCH FOR DEADBOLT</h3> <ol style="list-style-type: none"> 1. Most models are equipped with a latch that can be adjusted between either 2-3/8" or 2-3/4" backset. 2. To adjust from 2-3/4" to 2-3/8" backset, hold the latch faceplate still and simply rotate the latch body 180 degrees counter clockwise until it stops. 3. To adjust from 2-3/8" to 2-3/4" rotate latch body 180 degrees clockwise until it stops. 	<h3>6. ADJUSTABLE LATCH FOR HANDLESET</h3> <ol style="list-style-type: none"> 1. Most models are equipped with a latch that can be adjusted between either 2-3/8" or 2-3/4" backset. 2. To adjust from 2-3/4" to 2-3/8" backset, follow the steps in the diagram below. <p>This Latch Is Set For 2-3/8" Backset</p> <p>This Latch Is Set For 2-3/4" Backset</p> <p>To re-set 2-3/8" backset just push spindle cam to left edge of adjusting hole.</p> <p><i>Note: Be sure to keep spindle cam square in correct position as illustrated before pushing spindle cam in either direction. Otherwise you will have difficulty in pushing spindle cam at all.</i></p>