

Installation Instructions for Full Concealed Hinges

661HD/LL, 667HD/LL, 668HD/LL, 669HD/LL, 662HD/LL,
671HD, 672HD/LL, 673HD/LL, 674HD/LL



Always consult the dormakaba website for the latest instructions at <https://dhwsupport.dormakaba.com/hc/en-us> or call 1-800-392-5209.

- A. All uncut standard length hinges are non-handed and can be used for right or left hand doors.
- B. Standard length hinges are supplied slightly shorter than nominal door height to accommodate threshold and carpeting clearances.

CUTTING THE HINGE TO FIT

- Keep hinge in the closed position
- Determine **HANDING** if required. Not all hinges will become handed after cutting.
- Cut one end of the hinge only. Cut end will be installed at the bottom (Six-hole pattern remains at the top)
- Use a Metal Cutting Saw cut through the gear cap first.
Note: *If cut length interferes with a set screw bearing remove it and switch it with a plain bearing above the cut location.*

FRAME PREP

With the hinge in the open position

1. Locate the top of the hinge 1/8" below the header
- With the frame leaf flange tight against the frame
2. Mark or Center Punch hole locations

Note: *If using wood screws drill a 5/32" pilot hole*

DO NOT ATTACH HINGE TO FRAME AT THIS TIME

ATTACH THE HINGE TO THE DOOR

4. Position Door Leaf on door.
5. Align the top end of the hinge to be absolutely flush with the top of the door.
6. Mark or Center Punch hole locations
7. Using the provided Self Drilling/Thread Forming Screws and the proper drive bit please proceed to attach the hinge to the door

Note: *If using wood screws drill a 5/32" pilot hole.*

ATTACHING DOOR TO FRAME

8. Position door 90 degrees to frame
9. Shim door to the proper height to line up the screw holes in hinge frame leaf with the marks at the top of the frame.
10. Install two screws at the top of the hinge to hold in place
11. Remove shim and align the remaining holes. Install two additional screws in the middle and at the bottom.
12. Check door for proper swing and clearance before installing remaining screws, making necessary adjustments.
13. Install the remaining fasteners after any adjustments are made.

REINFORCING AND RIVNUTS

- No reinforcing is necessary except on extremely high-frequency, extremely heavy or extra-wide doors.
- Rivnuts are recommended for use in the frame when the door exceeds 450lbs.
Note: *RIVNUTS are not to be used with Fire Rated Hinges*

PAIRS OF DOORS WITH MULLIONS

- If the mullion is between the doors, install as single doors.
- If the mullion is behind the doors, install as a double doors.

GROUT/SLUSHED-IN FRAMES

It is recommended that a mudguard be installed behind the frame for ease of installation. Do not use self-drill screws with grouted steel frames without a mudguard. If no mudguard has been used, drill holes through frame and remove grout for screw clearances. Do not oversize hole.

SCREW DETAIL	
FRAME	12-24 x 3/4" PHILLIPS FLAT HEAD, UNDERCUT, SELF DRILLING, THREAD FORMING TEK MACHINE SCREW
DOOR	12-24 x 3/4" PHILLIPS FLAT HEAD, UNDERCUT, SELF DRILLING, THREAD FORMING TEK MACHINE SCREW

Note: *#12 x 1-1/2" FLAT HEAD UNDERCUT WOOD SCREWS AVAILABLE UPON REQUEST*

The following actions will void any warranty, expressed or implied.

- Failure to Install the hinge according to the specifications and requirements
- Use of Fasteners other than those supplied with the hinge.
- Unauthorized field modifications including removing any of the bearings, altering the original finish or painting the hinge.