



GOLDBERG BROTHERS INSTALLATION GUIDE

Barnfold® HD heavy duty J-STRAP

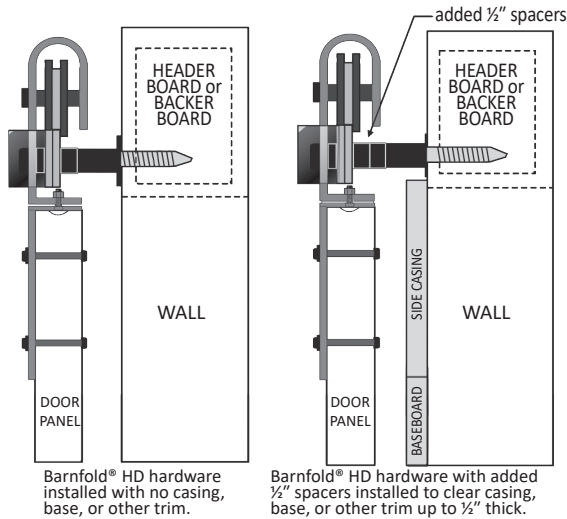
1³/₈" to 1³/₄" folding barn door hardware

hardware sets 6007H2D
For 1³/₈" to 1³/₄" thick doors up to 48"x108"
with a total weight up to 400 lb.

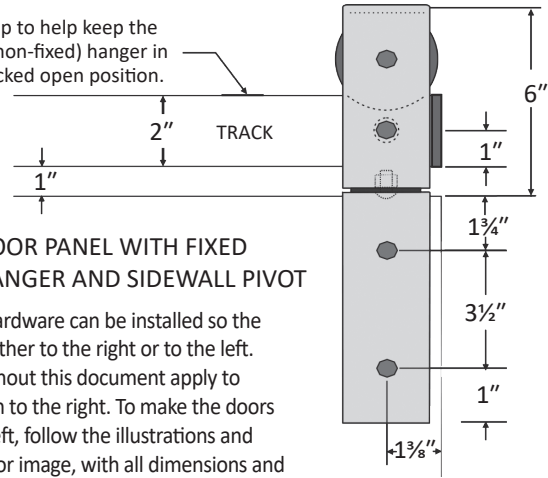
INCLUDED HARDWARE:

- | | | | | |
|--|---|---|--|--|
| Pre-punched track (1)
Track stops (2)
5" Hex lag bolts (5)
½" Spacers (10)
1¼" Spacers (5)
Fender washers (5) | Fixed J-strap hanger (1)
Loose J-strap hanger (1)
2" Carriage bolts (4)
2½" Carriage bolts (4)
Hex nuts (4)
Lock washers (4) | 1" Hex bolt (1)
1½" Hex bolt (1)
¾" Spacer (1)
Flange nuts (2)
Hinges (4)
1" Hinge screws (24) | Door bottom plate (1)
⅝" Lock washer (1)
⅝" Nut (1)
Pivot pin (1)
Sidewall pivot plate (1)
Sidewall bracket (1) | 1½" wood screws (5)
Rubber bumper band (1)
Felt strips (1)
Wrench (1) |
|--|---|---|--|--|

Basic installation layouts



Felt strip to help keep the loose (non-fixed) hanger in the stacked open position.

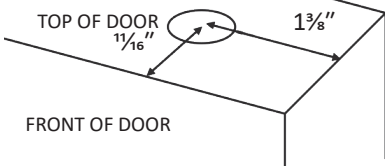


Please note: The hardware can be installed so the doors stack open either to the right or to the left. Illustrations throughout this document apply to doors stacking open to the right. To make the doors stack open to the left, follow the illustrations and instructions in mirror image, with all dimensions and components on the opposite sides.

STEP 1: drill tops of both doors

At the top of each panel on the end where a hanger will be attached, make a mark 1³/₈" in from the outer end of the panel and 1¹/₁₆" in from the front of the panel.

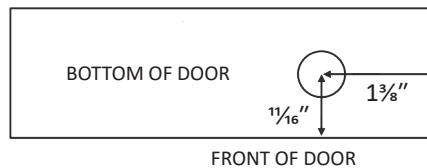
Using a 3/8" bit, drill a hole 1/4" deep.



STEP 2: drill bottom of the pivoting door panel

At the outer bottom corner of the door panel that will pivot, make a mark 1³/₈" in from the end and 1¹/₁₆" in from the front.

Using a 3/8" bit, drill a hole 1/4" deep.

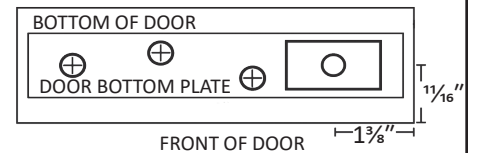


top view

STEP 3: attach door bottom plate to the pivoting door panel

Place the 1"x4" door bottom plate against the outer bottom corner of the door panel that will pivot, aligning the threaded hole in the plate with the hole drilled in step 2. Trace the plate and mortise the marked area 1/4" deep.

Place the plate in the mortised area and attach it with three 1½" wood screws.

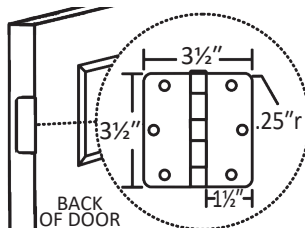


top view

STEP 4: prepare the doors for hinges

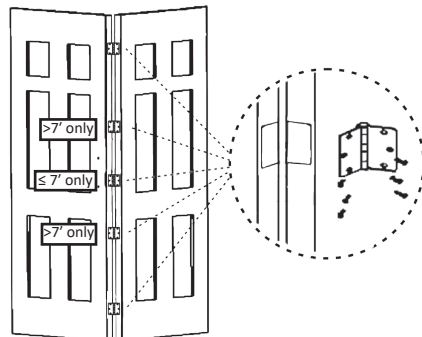
Important: Doors more than 7 feet tall require all four hinges. For best performance, shorter doors require only three hinges.

At either three or four evenly spaced locations along the edge of one door panel, place a hinge 1¼" in from the back and trace its outline. Then repeat the process on the corresponding edge of the other door, making sure that the markings match on both doors. With a chisel or router, mortise the traced areas at a depth equal to the thickness of the hinges.



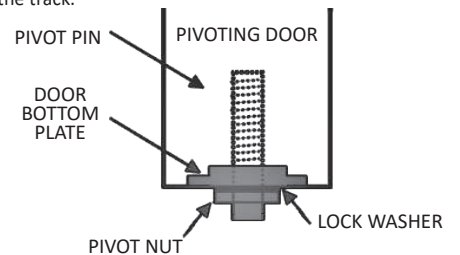
STEP 5: attach hinges to the doors

Place either three or four hinges in the mortised areas of the door panels and drill 1/8" pilot holes at each attachment point. Attach each hinge with six hinge screws.



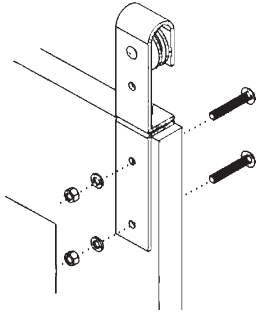
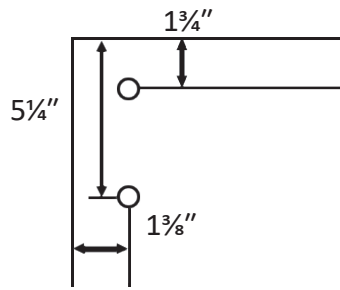
STEP 6: attach the pivot pin to the door bottom plate

Thread the pivot nut on the pivot pin, then place the lock washer on top of the pivot nut. Turn the pivot pin so that it goes all the way into the threaded hole in the door bottom plate. Hand tighten for now. The nut will be adjusted later, after the doors are attached to the track.



STEP 7: attach the hangers

At the upper front corners of the door panels where the two hangers will be attached, use either hanger as a template, placing it $\frac{3}{8}$ " from the outer edge of each panel. Make marks $1\frac{3}{4}$ " and $5\frac{1}{4}$ " down from the top edge and $1\frac{3}{8}$ " in from the outer edge. With a $\frac{1}{8}$ " bit, drill pilot holes at the two marked points on each panel. Then use a $\frac{3}{8}$ " bit to enlarge the pilot holes.

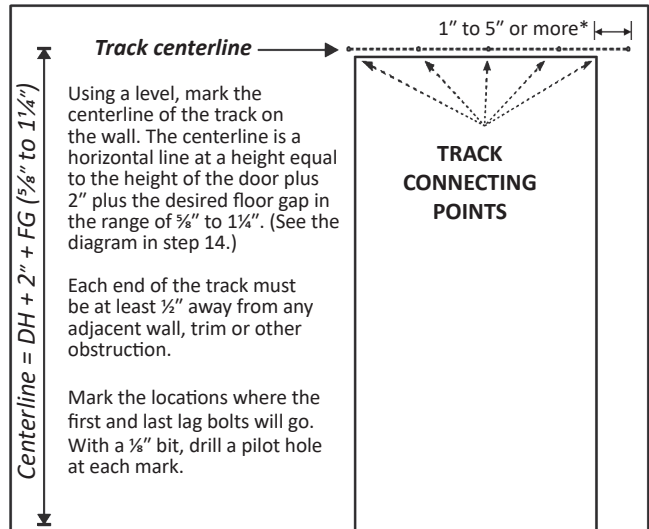


Using either the 2" or 2 $\frac{1}{2}$ " carriage bolts (depending on the thickness of the door), lock washers, and nuts, attach the hangers to the doors as shown. The upside down bolt on each hanger fits into the hole drilled in step 1.

The hanger with a hole below the roller goes on the pivoting door panel. The hanger without a hole below the roller goes on the loose (non-pivoting) door panel.

Swivel tension in the hanger can be adjusted. See the note in step 13.

STEP 8: mark the track centerline



Using a level, mark the centerline of the track on the wall. The centerline is a horizontal line at a height equal to the height of the door plus 2" plus the desired floor gap in the range of $\frac{5}{8}$ " to $1\frac{1}{4}$ ". (See the diagram in step 14.)

Each end of the track must be at least $\frac{1}{2}$ " away from any adjacent wall, trim or other obstruction.

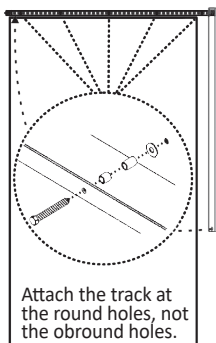
Mark the locations where the first and last lag bolts will go. With a $\frac{1}{8}$ " bit, drill a pilot hole at each mark.

*For a clear opening, the track should be at least 6" longer than the width of the opening, overlapping the wall on the pivoting side by at least 5" and the non-pivoting side by at least 1". With a shorter track, the stacked doors will partially occupy the opening.

STEP 9: attach the track

Using a 5" hex lag bolt, one to three spacers†, and a fender washer, attach one end of the track to the wall.

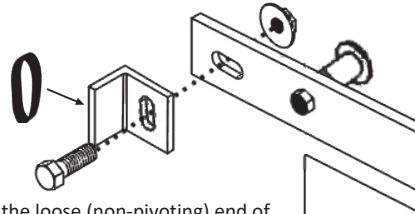
Swing the other end of the track into position and attach it to the wall. Mark and drill pilot holes and repeat the process for the remaining round track holes.



†Different combinations of spacers can be used to mount the track at various distances from the wall or header. See the side views of basic installation layouts on page 1.

Attach the track at the round holes, not the ovoid holes.

STEP 10: attach track stop and rubber bumper band

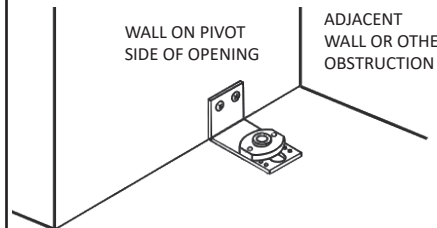


On the loose (non-pivoting) end of the track, attach a track stop with the 1" hex bolt and a flange nut as shown. Hand tighten for now, so it can be adjusted in step 14.

Attach the rubber bumper band around the track stop where it will make contact with a hanger when the doors are closed.

STEP 11: attach the pivot sidewall bracket and pivot plate

Using two 1 $\frac{1}{2}$ " wood screws, attach the sidewall pivot at the base of the wall as shown. The center of the pivot base should be directly below the center of the ovoid hole, 1 $\frac{1}{2}$ " from the pivot end of the track.

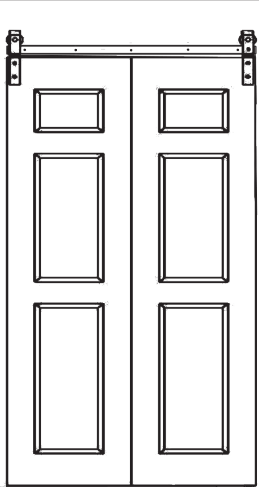


Place the pivot plate on the sidewall bracket with the center hole at the desired distance from the wall.

STEP 12: hang doors on track and sidewall pivot

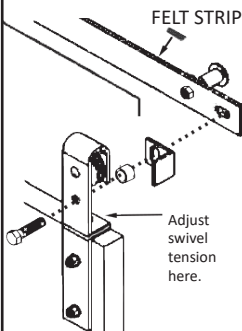
With an assistant, lift the assembled doors and position them so that the rollers are aligned with the track and the pivot pin is above the hole in the pivot plate.

Gently lower the doors into place, making sure that the grooves in the rollers sit correctly on the track and the pivot pin is in the pivot plate.



STEP 13: attach the fixed hanger and a felt strip

Using the 1 $\frac{1}{2}$ " hex bolt, $\frac{3}{8}$ " spacer, track stop, and flange nut, attach the fixed hanger to the pivoting side of the track as shown.

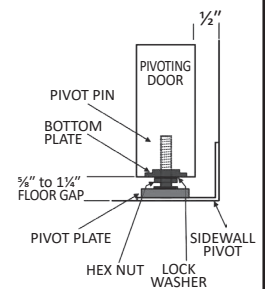


Open the doors so they are stacked on the pivoting side of the opening. Attach an adhesive-backed felt strip to the top edge of the track as close as possible to the bottom of the loose hanger's roller. It will create a slight bump that will help the loose hanger stay in that position.

Note: With the provided wrench, the swivel tension in either hanger can be adjusted by slightly turning the nut directly below each roller on the L-shaped base. Lighter-weight doors may need less tension than the factory setting. Save the wrench for future use.

STEP 14: make final adjustments

To adjust the height of the floor gap, partially unscrew the pivot pin from the door bottom plate until it is resting firmly in the hole on the pivot plate and the gap between the floor and the bottom of the door is in the range of $\frac{3}{8}$ " to $1\frac{1}{4}$ ". Using the provided wrench, tighten the pivot nut so that the lock washer and nut are tight against the door bottom plate.



Further adjust and tighten the two track stops so that they apply enough pressure to the door assembly to keep it closed. The ovoid holes in the stops and track allow for a wide range of adjustment.

Goldberg Brothers barn door hardware products are protected against manufacturing defects with a limited lifetime warranty. See our website for details and restrictions.

goldbergbrothers.com



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Barnfold® HD heavy duty J-STRAP
2 1/4" folding barn door hardware

hardware sets 6007H52D
For 2 1/4" thick doors up to 48"x108"
with a total weight up to 400 lb.

INCLUDED HARDWARE:

- Pre-punched track (1)
- Track stops (2)
- 6" Hex lag bolts (5)
- 1/2" Spacers (5)
- 3/8" Spacers (5)
- 1 1/4" Spacers (5)

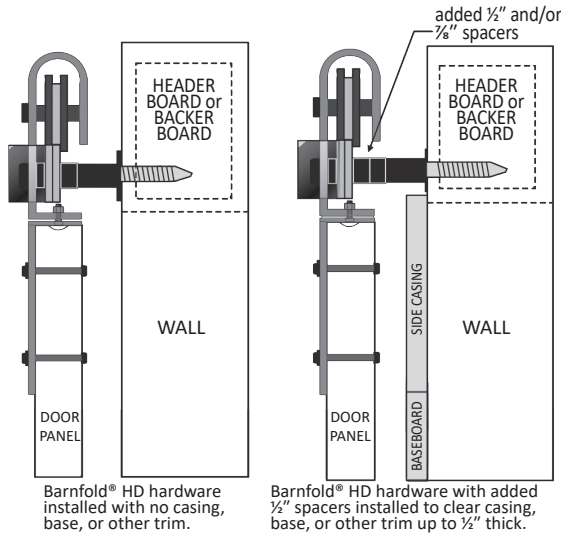
- Fender washers (5)
- Fixed J-strap hanger (1)
- Loose J-strap hanger (1)
- 3" Carriage bolts (4)
- Hex nuts (4)
- Lock washers (4)

- 1" Hex bolt (1)
- 1 1/2" Hex bolt (1)
- 3/8" Spacer (1)
- Flange nuts (2)
- Hinges (4)
- 1" Hinge screws (24)

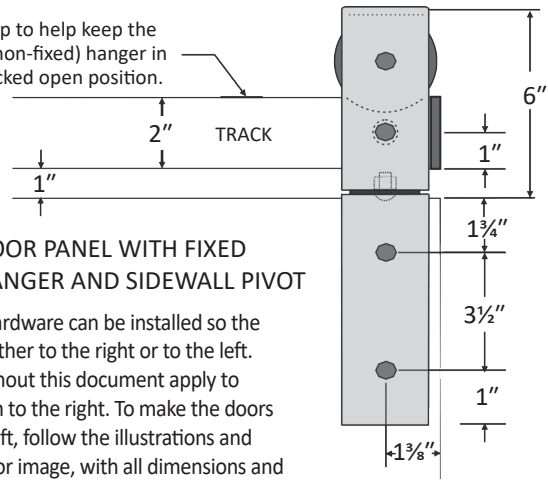
- Door bottom plate (1)
- 3/16" Lock washer (1)
- 3/16" Nut (1)
- Pivot pin (1)
- Sidewall pivot plate (1)
- Sidewall bracket (1)

- 1 1/8" wood screws (5)
- Rubber bumper band (1)
- Felt strips (1)
- Wrench (1)

Basic installation layouts



Felt strip to help keep the loose (non-fixed) hanger in the stacked open position.



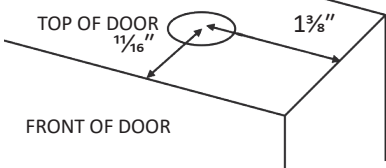
DOOR PANEL WITH FIXED HANGER AND SIDEWALL PIVOT

Please note: The hardware can be installed so the doors stack open either to the right or to the left. Illustrations throughout this document apply to doors stacking open to the right. To make the doors stack open to the left, follow the illustrations and instructions in mirror image, with all dimensions and components on the opposite sides.

STEP 1: drill tops of both doors

At the top of each panel on the end where a hanger will be attached, make a mark 1 3/8" in from the outer end of the panel and 1/16" in from the front of the panel.

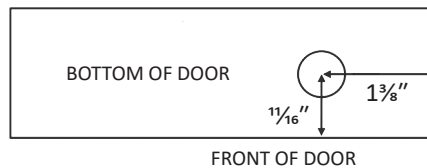
Using a 3/8" bit, drill a hole 1/4" deep.



STEP 2: drill bottom of the pivoting door panel

At the outer bottom corner of the door panel that will pivot, make a mark 1 3/8" in from the end and 1/16" in from the front.

Using a 3/8" bit, drill a hole 1/4" deep.

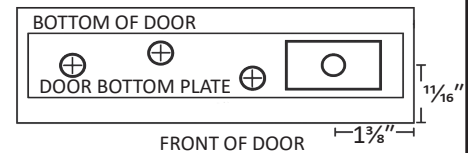


top view

STEP 3: attach door bottom plate to the pivoting door panel

Place the 1"x4" door bottom plate against the outer bottom corner of the door panel that will pivot, aligning the threaded hole in the plate with the hole drilled in step 2. Trace the plate and mortise the marked area 1/4" deep.

Place the plate in the mortised area and attach it with three 1 1/8" wood screws.

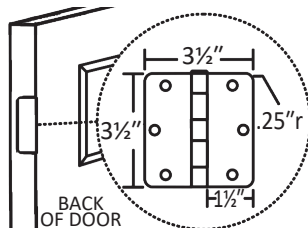


top view

STEP 4: prepare the door for hinges

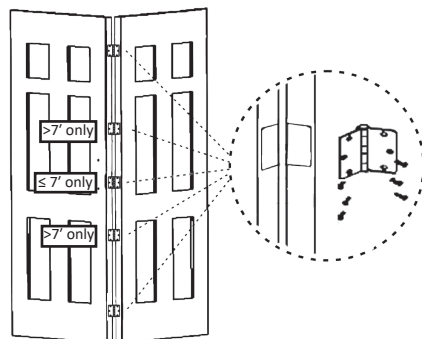
Important: Doors more than 7 feet tall require all four hinges. For best performance, shorter doors require only three hinges.

At either three or four evenly spaced locations along the edge of one door panel, place a hinge 1 1/4" in from the back and trace its outline. Then repeat the process on the corresponding edge of the other door, making sure that the markings match on both doors. With a chisel or router, mortise the traced areas at a depth equal to the thickness of the hinges.



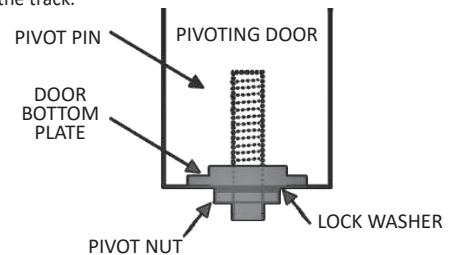
STEP 5: attach hinges to the doors

Place either three or four hinges in the mortised areas of the door panels and drill 1/16" pilot holes at each attachment point. Attach each hinge with six hinge screws.



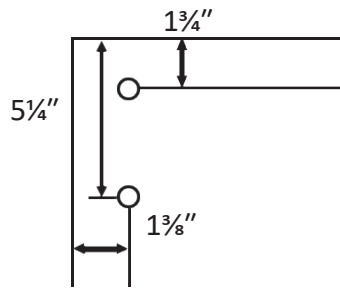
STEP 6: attach the pivot pin to the door bottom plate

Thread the pivot nut on the pivot pin, then place the lock washer on top of the pivot nut. Turn the pivot pin so that it goes all the way into the threaded hole in the door bottom plate. Hand tighten for now. The nut will be adjusted later, after the doors are attached to the track.



STEP 7: attach the hangers

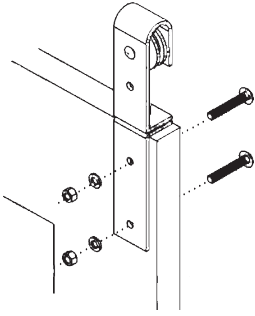
At the upper front corners of the door panels where the two hangers will be attached, use either hanger as a template, placing it $\frac{3}{8}$ " from the outer edge of each panel. Make marks $1\frac{3}{4}$ " and $5\frac{1}{4}$ " down from the top edge and $1\frac{3}{8}$ " in from the outer edge. With a $\frac{1}{8}$ " bit, drill pilot holes at the two marked points on each panel. Then use a $\frac{3}{8}$ " drill bit to enlarge the pilot holes.



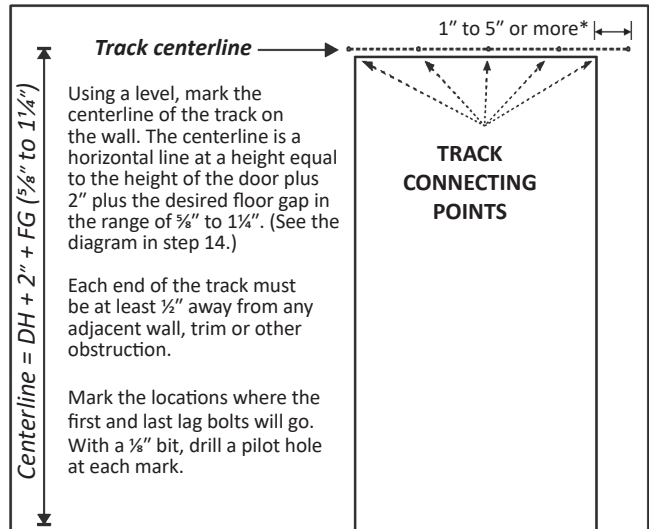
Using either the 2" or 2 $\frac{1}{2}$ " carriage bolts (depending on the thickness of the door), lock washers, and nuts, attach the hangers to the doors as shown. The upside down bolt on each hanger fits into the hole drilled in step 1.

The hanger with a hole below the roller goes on the pivoting door panel. The hanger without a hole below the roller goes on the loose (non-pivoting) door panel.

Swivel tension in the hanger can be adjusted. See the note in step 13.



STEP 8: mark the track centerline



Using a level, mark the centerline of the track on the wall. The centerline is a horizontal line at a height equal to the height of the door plus 2" plus the desired floor gap in the range of $\frac{5}{8}$ " to $1\frac{1}{4}$ ". (See the diagram in step 14.)

Each end of the track must be at least $\frac{1}{2}$ " away from any adjacent wall, trim or other obstruction.

Mark the locations where the first and last lag bolts will go. With a $\frac{1}{8}$ " bit, drill a pilot hole at each mark.

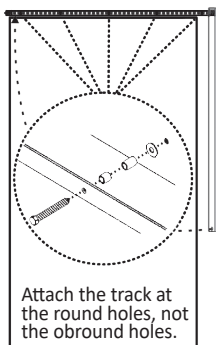
*For a clear opening, the track should be at least 6" longer than the width of the opening, overlapping the wall on the pivoting side by at least 5" and the non-pivoting side by at least 1". With a shorter track, the stacked doors will partially occupy the opening.

STEP 9: attach the track

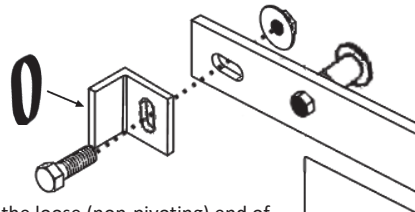
Using a 6" hex lag bolt, one to three spacers†, and a fender washer, attach one end of the track to the wall.

Swing the other end of the track into position and attach it to the wall. Mark and drill pilot holes and repeat the process for the remaining round track holes.

†Different combinations of spacers can be used to mount the track at various distances from the wall or header. See the side views of basic installation layouts on page 1.



STEP 10: attach track stop and rubber bumper band

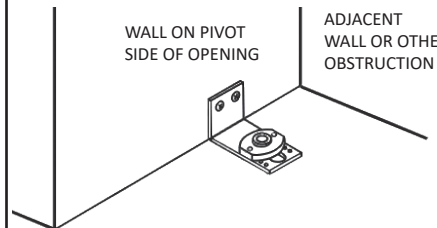


On the loose (non-pivoting) end of the track, attach a track stop with the 1" hex bolt and a flange nut as shown. Hand tighten for now, so it can be adjusted in step 14.

Attach the rubber bumper band around the track stop where it will make contact with a hanger when the doors are closed.

STEP 11: attach the pivot sidewall bracket and pivot plate

Using two 1 $\frac{1}{2}$ " wood screws, attach the sidewall pivot at the base of the wall as shown. The center of the pivot base should be directly below the center of the obround hole, 1 $\frac{1}{2}$ " from the pivot end of the track.

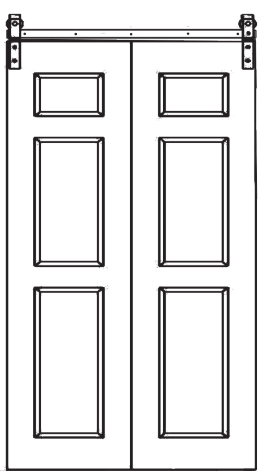


Place the pivot plate on the sidewall bracket with the center hole at the desired distance from the wall.

STEP 12: hang doors on track and sidewall pivot

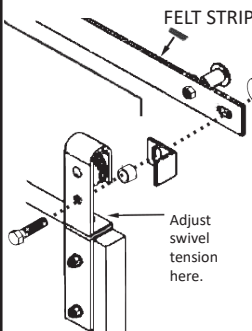
With an assistant, lift the assembled doors and position them so that the rollers are aligned with the track and the pivot pin is above the hole in the pivot plate.

Gently lower the doors into place, making sure that the grooves in the rollers sit correctly on the track and the pivot pin is in the pivot plate.



STEP 13: attach the fixed hanger and a felt strip

Using the 1 $\frac{1}{2}$ " hex bolt, $\frac{3}{8}$ " spacer, track stop, and flange nut, attach the fixed hanger to the pivoting side of the track as shown.

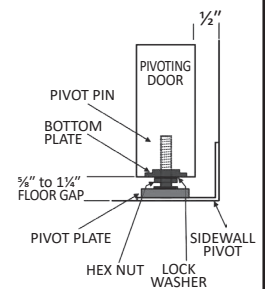


Open the doors so they are stacked on the pivoting side of the opening. Attach an adhesive-backed felt strip to the top edge of the track as close as possible to the bottom of the loose hanger's roller. It will create a slight bump that will help the loose hanger stay in that position.

Note: With the provided wrench, the swivel tension in either hanger can be adjusted by slightly turning the nut directly below each roller on the L-shaped base. Lighter-weight doors may need less tension than the factory setting. Save the wrench for future use.

STEP 14: make final adjustments

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Further adjust and tighten the two track stops so that they apply enough pressure to the door assembly to keep it closed. The obround holes in the stops and track allow for a wide range of adjustment.

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