

# 1925Workbench

## **SINGLE TRACK BYPASS barn door hardware**

*Patent CA2964538  
Patent US10619392B2*

### Installation Manual

## What is included in your kit:



*Note: the quantity of spacers and 5/16" x 5" lag bolts will depend on the length of your track & how many holes there are on the track. Typically, holes are placed evenly between 15" - 17" on the track.*

## Prerequisite:

1. The big picture:

1925Workbench offers the single track bypass barn door hardware in 2 variations:

**Standard bypass:** both doors move back and forth in front of the opening and provide access to half of the opening at a time:

**Telescopic bypass:** both doors slide to one side to expose the whole opening:

*To view the two variations in action, please check out our video installation instruction here:*

<https://www.1925workbench.com/barn-door-hardware/#installation-instructions>

2. Doors:

If you purchased doors from 1925Workbench, this step can be omitted.

If you purchased just the hardware and have the doors made elsewhere, the dimensions of the doors is calculated as follow:

Assume that you need the doors to overlap 2" on each side of the opening (if a door butts up against a perpendicular wall, then overlap is 0), total 4". The amount of overlapping between two doors in the middle is 5".

$$\text{Width of each door} = (\text{width of opening} + 4" + 5") / 2$$

Example: if the width of your opening is 60", the width of each door is:

$$(60" + 4" + 5") / 2 = 34.5"$$

Height of your doors can be at a minimum ½ less than the height of your opening to any desirable height BUT there has to be at least 7" from the top of your doors to the ceiling. Maximum door thickness: 1.5"

Maximum door weight: 100lbs per door.

Have the door fabricator cut a groove along the bottom of the door, ¼" wide by ¾" deep. This is required for **telescopic bypass** variation and recommended but not required for **standard bypass** variation.

### 3. Track length:

**Standard bypass:** Suggested track length is the width of your opening (including door trims if any) plus 6 inches (accounted for door overlap of 2" on each side and end stoppers)

**Telescopic bypass:** Suggested track length is the width of your opening (including door trims if any) plus the width of your one door (as calculated in step 2) plus 4 inches

### 4. Header space:

A minimum of 7" of header above the opening is required

### 5. Wood block:

A wood block is required (not provided) to sit between the track and the wall in order to add strength to the system as well as adding clearance for the doors.

The wood block should be at least the same length of your track

The thickness of the wood block needs to be at least ¾" thick AND at least 1/2" thicker than your baseboard and/or door trims (if any). Woodblock can be between 3"-7" wide, or larger if desired.

## Tools required:

1. Power drill with 3/16" and 5/16" drill bit
2. Impact driver with ½" socket bit (or wrench) and Phillips driver bit
3. Level
4. Stud finder
5. Tape measure
6. Pencil

## Installation steps

Installation steps are common for both variations of the single track bypass system.

Steps that are specific to each variation will be indicated.

1. Locate studs:

Use the stud finder to locate every stud along the wall where the track is to be installed. Transfer stud measurements onto woodblock. Drill pilot holes and pres-screw.

Use 3" long size 8 construction screws (not provided) or other appropriate fasteners to fasten the wood block to the wall. 2 screws are recommended for every stud.



2. Install wood block

The wood block is installed at 1-1/4" higher than the height of the door. For example, our doors for this install are 81.5" high, so the woodblock is installed at 82-3/4" from the floor.

**If the installation is for a condo, due to the fact that most condos use metal stud, it is strongly recommended that construction glue is used in addition to screws.**

The wood block needs to be leveled horizontally.





3. Install the track:  
The bottom of the track should be  $\frac{1}{2}$ " –  $\frac{3}{4}$ " higher than the bottom of the wood block.



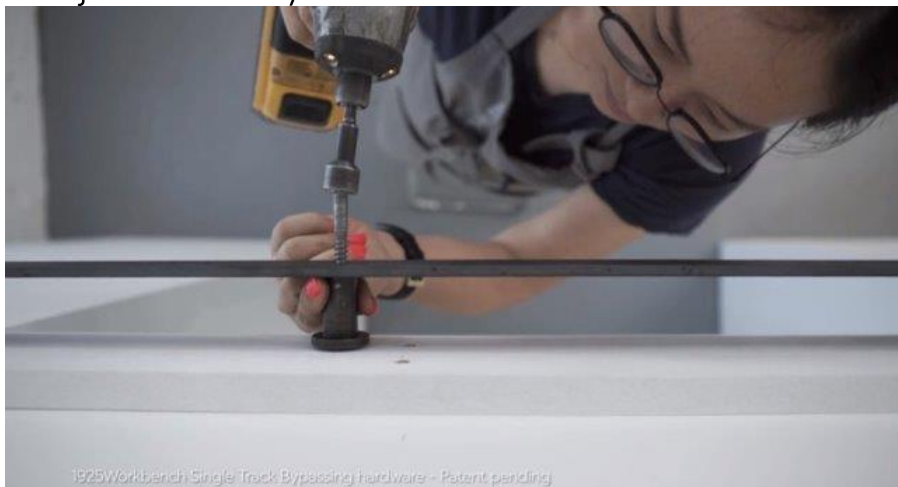
Lay the track on the wood block and mark the drilled holes onto the wood block. Make sure the track is leveled.



Use  $\frac{3}{16}$ " drill bit to drill marked holes



Use provided 5/16" x 5" lag bolts and spacers to fasten the track to the wood block. Note, the flanges on the spacers are to face the wood block. Check for level and adjust if necessary.



*Quick tip: to adjust the level of the track, loosen the lag bolt almost completely, then push up or pull down on the track, use force to keep the track in position and re-fasten the bolt.*

*Side note: Stoppers for doors should be installed as the last step, but most of the time, they can be installed on the end holes (as shown) while installing the track.*



4. Install hangers on the inner door:

Stand the door up, use shims to lift the door  $\frac{1}{2}$ " –  $\frac{3}{4}$ " off the floor; adjust shims to level the door vertically.



Hook the inner hanger on the track and hold it against the door. Hanger needs to be  $\frac{1}{2}$ " in from the outer edge of the door. Mark drilled holes on door and use  $\frac{3}{16}$ " drill bit to drill holes.





Use provided 5/16" x 1.5" to fasten the hangers onto the door.  
Repeat for the other inner hanger.



5. Install outer hangers for outer door:  
Follow procedure similar to step 4

Quick tip: if you are installing the telescopic bypass variation, it would be easier to install bottom door guide in a later step if the outer door is installed at about  $\frac{1}{4}$ " higher than the inner door



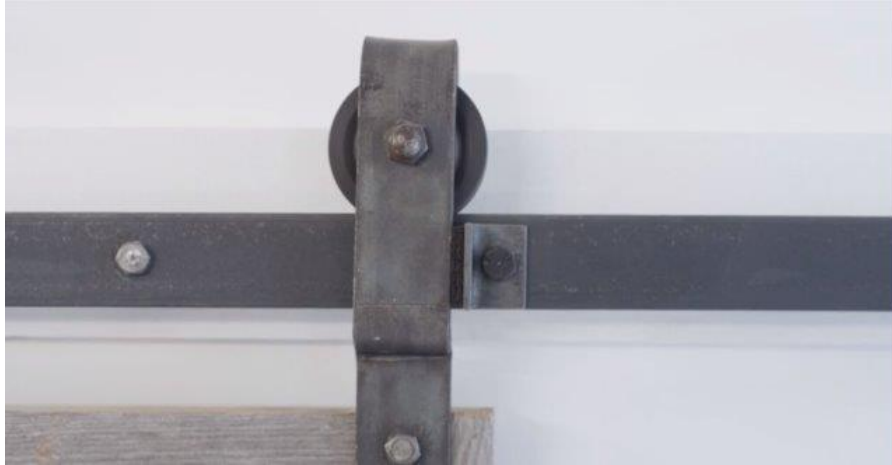
6. Install stoppers:  
As mentioned earlier, most of the times, stoppers can go on the last hole on each end of the track.

If doors need to stop at different locations other than at the last predrilled holes on each end of the track, determine where the doors stop at each end. Use provided stoppers to lay on the track and mark on the track for each stopper. Stopper should sit flush to the bottom of the track.

Use  $\frac{5}{16}$ " drill bit to drill holes for stopper



Use provided nuts and bolts to fasten the stoppers to the track.

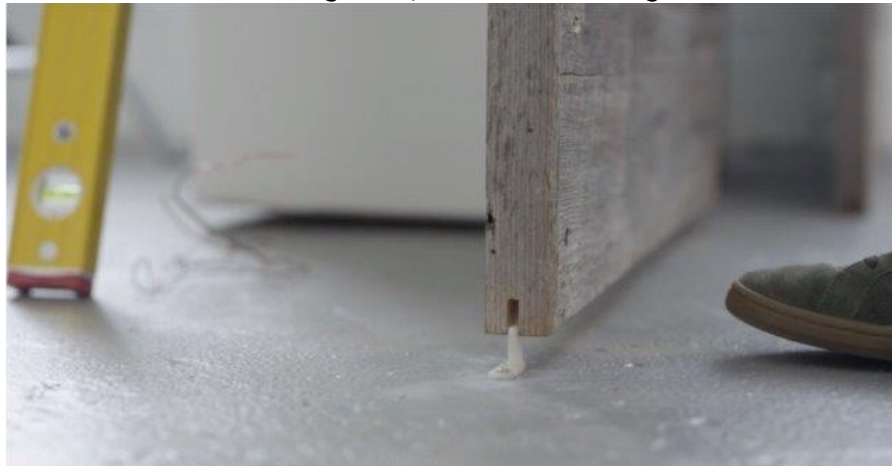


7. Install bottom door guides:

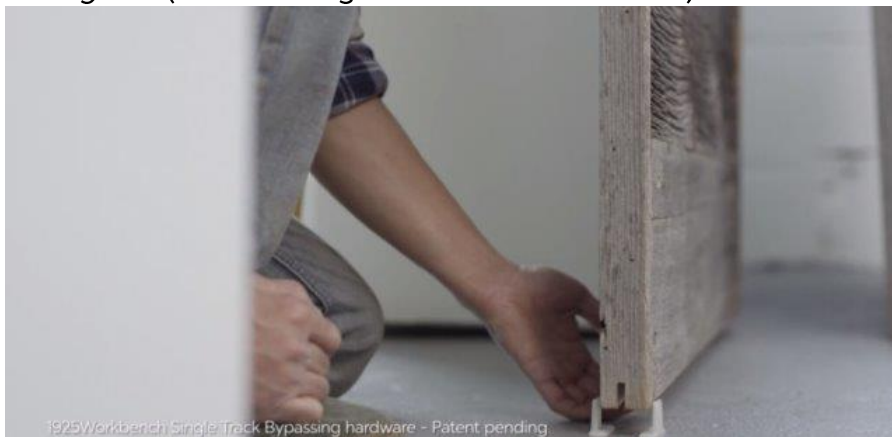
**Standard bypass:**

Door guides should be installed at the centre of the opening. Laterally, they should keep the doors vertical and create an even gap between the two doors.

Guides can be installed as T guide (with slot cut along the bottom of the door)



Or as a *U guide* (no slot along the bottom of the door)



1925Workbench Single Track Bypassing hardware - Patent pending.

**Telescopic bypass:**

Guide for the inner door will be installed at the edge of the opening on the side that the doors travel to open. Guide needs to be mounted on the floor.



Guide for the outer door will be install on the front of the inner door, closer to the edge in the direction where the door travel to close.





Install bottom stopper plate on inner door

This plate will catch on the floor mount guide for the inner door to stop the door from leaving the guide and travel too far into the opening. The plate will be installed as shown, on the inner door, on the side that the door travels to open.

