

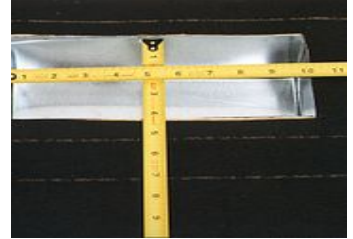
# Installing Wood Registers/Vents

By Tom Stasiak, All American Wood Register

Air duct registers can be easily installed simultaneously with wood floor installations. Although this article specifically details the installation of a wood flush-mounted register, the same general concepts can be applied to other types of units. Most registers consist of three separate pieces: the rabbeted frame, the slotted one-piece register and the heavy-gauge steel damper. Professional installation results can be achieved by observing the following instructions.

## STEP 1

Determine the proper size of the registers needed for the job. To do this, simply measure the width and length of the air duct that is to be fitted with a register. Common dimensions include: 4" x 10", 2-1/4" x 12", 6" x 14" and so on.



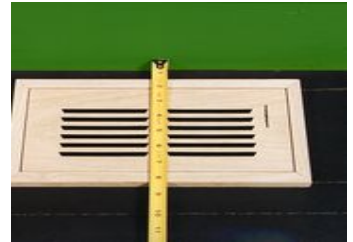
## STEP 2

Position the rabbeted frame over the duct with the slotted register in place. Make sure the damper can move freely.



## STEP 3

Measure the distance between the wall, or the last installed piece of flooring, and the register's frame.



## STEP 4

Rip saw a length of hardwood floor the same width as the space measured between the wall, or last piece of hardwood floor installed, and the frame. Choose the longest available length of hardwood and make the rip 1" longer than the frame of the register.



## STEP 5

Crosscut the ripped piece of hardwood floor to form a square corner.



This article is designed to provide insight into some of the key steps required for installation of wood duct registers. Keep in mind that it is important to follow the product manufacturer's recommendations and obtain their installation/specification manuals.

# Installing Wood Registers/Vents

By Tom Stasiak, All American Wood Register

Air duct registers can be easily installed simultaneously with wood floor installations. Continued instructions:

STEP  
6

Place the frame in the position created by rip and crosscut. Mark the length of the frame on the piece of rip-sawn hardwood.



STEP  
7

Cut the ripped piece of hardwood to the frame's length as marked in Step 6.



STEP  
8

Again position the register's frame over the duct opening, and put the ripped piece of hardwood floor in place. Nail the frame, through the rabbeted part, to the sub-floor.



STEP  
9

Nail the ripped piece of hardwood floor in position by either face nailing or, if rooms permits, by nailing through the tongue.



STEP  
10

Butt hardwood floor up to the sides of the frame until you get to the point where the next piece of floor will need to be cut to fit around the frame.



This article is designed to provide insight into some of the key steps required for installation of wood duct registers. Keep in mind that it is important to follow the product manufacturer's recommendations and obtain their installation/specification manuals.

# Installing Wood Registers/Vents

By Tom Stasiak, *All American Wood Register*

Air duct registers can be easily installed simultaneously with wood floor installations. Continued instructions:

STEP  
11

Measure from the butt edge of hardwood floor to the frame.



STEP  
12

Rip saw a length of hardwood flooring the same width as the space measured in Step 11 between the frame and butt edge. Make the rip the same length as the register's frame.



STEP  
13

Crosscut the rip sawn piece of flooring the same length as the frame to form a pocket that fits around the remaining exposed frame illustrated in Step 10.



STEP  
14

Install the ripped length of hardwood to complete the register frame installation. Install the other pieces of hardwood flooring for the remaining area of the room.



STEP  
15

Remove the welded-steel air flow regulator and set aside the four #4x-1/4 wood screws.



This article is designed to provide insight into some of the key steps required for installation of wood duct registers. Keep in mind that it is important to follow the product manufacturer's recommendations and obtain their installation/specification manuals.

# Installing Wood Registers/Vents

By Tom Stasiak, All American Wood Register

Air duct registers can be easily installed simultaneously with wood floor installations. Continued instructions:

STEP  
16

Replace the one-piece slotted register in its frame and sand the floor according to normal methods with the register and frame in place.



STEP  
17

Remove the register. Mark the frame and register with a number, or letter, so it can be replaced in the correct opening after finishing the hardwood floor. Finish the hardwood floor and register frame according to industry standards.



STEP  
18

Stain and finish the register separately from the flooring and frame on all sides, ends, tops and bottom. Apply the same amount of finish to all surfaces. Make sure to keep the thumb wheel hole clear of excess finish. Allow the register to dry thoroughly before reinstalling it in the frame. This will prevent the register from sticking to the frame.



STEP  
19

Replace the air flow regulator and secure it with the four #4 x-1/4 wood screws.



STEP  
20

Simply drop the register into its proper frame opening to complete the installation.



7103 Sands Road  
Crystal Lake, IL 60014  
(815) 356-1000  
[www.allamericanwood.com](http://www.allamericanwood.com)

This article is designed to provide insight into some of the key steps required for installation of wood duct registers. Keep in mind that it is important to follow the product manufacturer's recommendations and obtain their installation/specification manuals.