

# INSTALLATION INSTRUCTIONS

## Semi-Custom Wood Door Supplemental Instructions

### (For use with Wood Residential Garage Door Instruction Manual)

This is a supplement to the **Wood Residential Garage Door Instructions** (Referred to as MANUAL). It covers important information unique to Semi-Custom Wood Doors. For all other information and safety warnings concerning your Semi-Custom Wood garage door, see the MANUAL. Read all of the information in both manuals before beginning installation.

These instructions will cover the following areas, where Semi-Custom door installation differs from standard wood door installation:

1. Section heights.
2. Springing.
3. Track Radius / Headroom.
4. Bottom Bracket Attachment.
5. Strutting.
6. Opener recommendation and reinforcement.
7. Lift Handle Hardware and Attachment.

### Section heights

Semi-Custom Wood doors are manufactured in different section heights than standard wood doors. A 6'6" or 7'0" high Semi-Custom Wood Door consists of (3) sections, while a 7'6" or 8'0" high door consists of (4) sections. See FIG. 3 on next page for proper section and hardware placement.

### Springing

Semi-Custom Wood Doors are available with Standard Torsion or EZ-Set™ Torsion Springing only (see page 8 of the MANUAL for an illustration). **Use of any springing system other than Standard Torsion or EZ-Set™ Torsion to counterbalance the door will void the warranty on the door.**

### Track Radius / Headroom

Because the section heights on Semi-Custom Wood doors are greater than on standard wood doors, 15" track is required for the door to operate properly. Measure the track radius of your door according to the instructions on page 12 of the MANUAL. **Note: Semi-Custom Wood Doors will not operate properly with 12" radius track.** 14" of headroom is required for Semi-Custom Wood Doors without an automatic opener; 16-1/2" of headroom is required if an automatic opener will be installed.

Semi-Custom Wood doors are available with double track low headroom hardware (front mount or rear mount torsion). See page 5 of the MANUAL for headroom requirements.

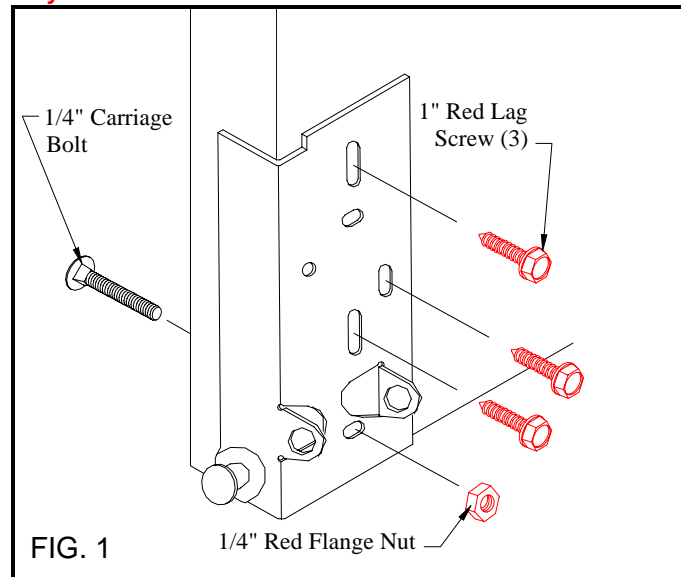
### Bottom Bracket Attachment

Install bottom bracket with (3) 1/4" x 1" red lag screws and (1) 1/4" x 2-1/8" carriage bolt and red 1/4" flange nut as shown below. Pilot drill 1/8" x 3/4" deep holes for lag screws, and through drill 1/4" for carriage bolt. (FIG. 1)



### WARNING

**Springs and bottom brackets are under EXTREME spring tension and could cause SEVERE INJURY OR DEATH if mishandled. DO NOT ATTEMPT TO REPAIR OR ADJUST the springs, red fasteners, hardware, or structure to which they are attached.**



### Strutting

Semi-Custom Wood Doors up to 10' 0" wide require (1) 2-1/4" high strut per section mounted at the top of each section. The top section strut length equals Door Width-12". Center the shorter strut with the top edge 1" to 1-1/2" from the top of the section. Drill 3/16" pilot holes no more than 1" deep at each hole in the strut. Semi-Custom Wood Doors over 10'0" wide require (1) 3" high strut per section. All struts are attached with 1" lag screws at each hinged stile location, at the end of the strut, or at pilot hole locations.

### Opener recommendation & reinforcement

**Note: Because the larger sections on Semi-Custom Wood Doors do not distribute weight evenly as the door is being opened or closed, the manufacturer strongly recommends that all Semi-Custom Wood Doors be installed with an automatic opener with a minimum 1/2 horse-power rating.**

Reinforce the door for an automatic opener according to the instructions in the MANUAL.

## Lift Handle Hardware and Attachment

Install lift handles using black carriage bolts on the bottom section rail as detailed in the MANUAL, with the exception that the outside bottom handle should be the decorative handle supplied with your semi-custom door (reference FIG. 3).

Place 2<sup>nd</sup> section outside lift handles at the locations shown in FIG. 2 and mark holes. Taking care not to go through the section, drill 3/16" pilot holes in the marked locations. Install handles using 1/4" x 1" lag screws (outside handles use black lag screws). Handle must be installed 20" – 30" directly above bottom section handle.

