

# Stationary Ladder Hardware Installation Instructions

Revision date: 6/24/2019

## Custom Ladder length calculation:

Custom ladder height = add 7" to the distance from the floor to the bottom of the flat plate hardware that is attached to the wood header (loft) or bed rail side (bunk bed).

## Installing the Top Stationary Hardware

### (Sliding Upper Hardware to ladder)

1. Remove the pin that attaches the flat plate to the sliding upper guide (figure 1 & 2)  
(The flat plate is to be installed on the header surface for loft application or the bed side rail for bunk bed application, the sliding upper guide is to be installed on the ladder)



Figure 1



figure 2

2. Install the **sliding upper guide hardware** on the ladder 1-1/2" down from the top of the ladder (figure 3). For proper functionality of the ladder, this dimension needs to be the same for both side rails.



Figure 3

3. Using a ¼” **drill bit**, drill out the holes for the ¼-20 KD bolts on the sides of the ladder.  
Recommended procedure for this:
  - Using the holes in the top roller guide as a drill guide, drill a ¼” hole half way through the thickness of the ladder slide rail.
  - Drill the same hole on the opposite side of the top roller guide, producing a ¼” through hole in the ladder side rail.
  - Follow this same procedure for all 4 through holes and complete the assembly by securing the top roller guide with the supplied ¼-20 KD bolts and acorn nuts.
  - Using the supplied ¼-20 KD bolts, secure the upper sliding guide hardware to the top of the ladder

#### **(Flat Plate Hardware to header or bed side rail)**

1. Select the location on the wood header (loft) or bed side rail (bunk bed) for the flat plate to be installed to.  
Recommendations: for loft application install the flat plate **1-3/4”** down from the top of the wood header to the center of the top fastener hole, for bunk bed applications center the flat plate on the width of the bed side rail.
2. Install the 2 top flat plates  
Distance between the inside mounting holes of the 2 plates is:  
**13” cc** for a 16” wide ladder  
**16-7/8” cc** for 20” wide ladder

#### **Installing the Bottom Foot Hardware on the ladder**

1. Center the bottom foot hardware onto the bottom of the ladder, pushing the bottom foot hardware tight and flush to the bottom surface of the ladder.
2. Using a ¼” drill bit, drill out the holes for the ¼-20 KD bolts on the sides of the ladder.  
Recommended procedure for this:
  - Using the holes in the top roller guide as a drill guide, drill a ¼” hole half way through the thickness of the ladder slide rail.
  - Drill the same hole on the opposite side of the top roller guide, producing a ¼” through hole in the ladder side rail.
  - Follow this same procedure for all 4 through holes and complete the assembly by securing the top roller guide with the supplied ¼-20 KD bolts and acorn nuts.
  - Using the supplied ¼-20 KD bolts, secure the bottom foot hardware to the bottom of the ladder

#### **Installing ladder to the Flat Hardware plate**

1. Align the fastener pin hole on the sliding upper hardware with corresponding holes in the flat plate.
2. Reinsert the pin and secure it with the cotter pin.
3. If measured and installed properly the ladder will stand straight up and down close to the wall/bed in the stored position. In the climbing position the bottom of the ladder will extend out about 21” – 28” from the wall/bed where the hardware is attached to.