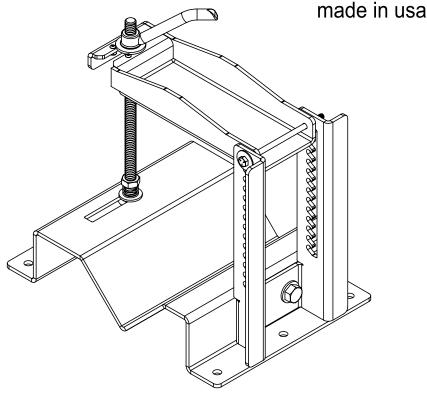
# LUMBERJACK TOOLS®



#### USER MANUAL LOG LOCK™ XL LOG LOCK™ XL HEAVY DUTY

#### Safe, Fast & Easy to Use™

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MODEL: LL2580 MODEL: LL2580HD

## ABOUT YOUR PRODUCT

#### Thank you for purchasing our Log Lock XL clamping fixture!

Lumberjack engineers, along with our craftsmen, have designed the safest, easiest to-use clamping fixture on the market. By combining old-world skills with modern design and manufacturing techniques, we have greatly reduced issues with log slippage while cutting tenons.

Once properly secured and set up, the Log Lock XL will hold logs and other timbers in place with ease. The newly designed ladder feature and fast release allows the top securing plate to be quickly adjusted to different timber diameters. The fixture plates are laser cut from structural steel and folded in a press brake to ensure proper clamping in every use.



Our lifetime guarantee covers the fixture body. The nuts, bolts, washers and screw handle are covered for 90 days from the date of purchase for breakage under normal working conditions. Excessive log overhang, or side loading the fixture could cause failure to occur in the bolts. Over tightening of the top plate may bend the bolts or top plate as a result. This is valid only to the original buyer, and not for the tools sold secondhand, used, or sold "as is" to a second party.

#### What Voids Warranty

In order to keep our lifetime and 90 day warranty you must **AVOID** the following actions:

- Side loading the fixture
- Over tightening the screw handle
- Altering or misusing the fixture
- Unsupported log overhang of 24" or more

## SAFETY

Before beginning any project, carefully read and follow ALL safety and operational instructions for any tools or devices you will be using. Failure to do so may cause physical harm to yourself or those around you. If you feel uncomfortable using power tools while using our clamp, STOP immediately. Lumberjack Tools assumes no responsibility for injury caused to the operator, bystander, or tools used in conjunction with the use or misuse of our Log Lock XL fixture.



NEVER OPERATE POWER TOOLS UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR ANY MEDICATIONS



WEAR SAFETY GLASSES, DUST MASK, AND OTHER PERSONAL PROTECTION ITEMS AS REQUIRED

DO NOT WEAR LOOSE ITEMS THAT COULD POTENTIALLY BE CAUGHT IN MOVING PARTS AND KEEP LONG HAIR AWAY FROM



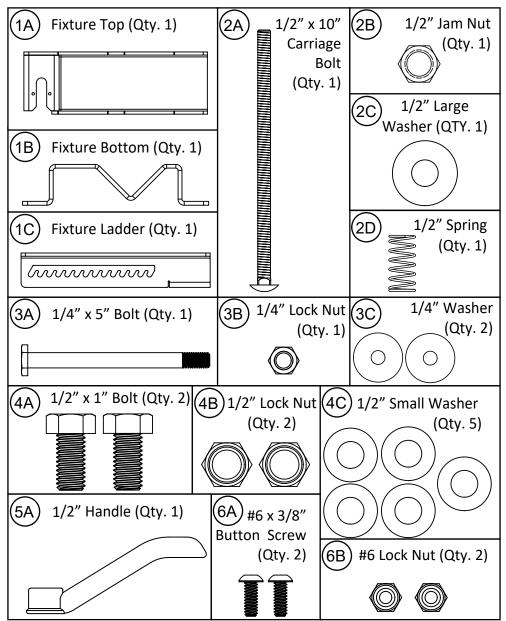
KEEP ALL THREADED AND MOVING PARTS CLEAN OF DUST AND DEBRIS

DO NOT PLACE ANY BODY PARTS INSIDE OF THE DEVICE WHILE TIGHTENING



NEVER USE FIXTURE WHEN NOT BOLTED TO A STABLE, SECURE SURFACE

#### WHAT'S INCLUDED

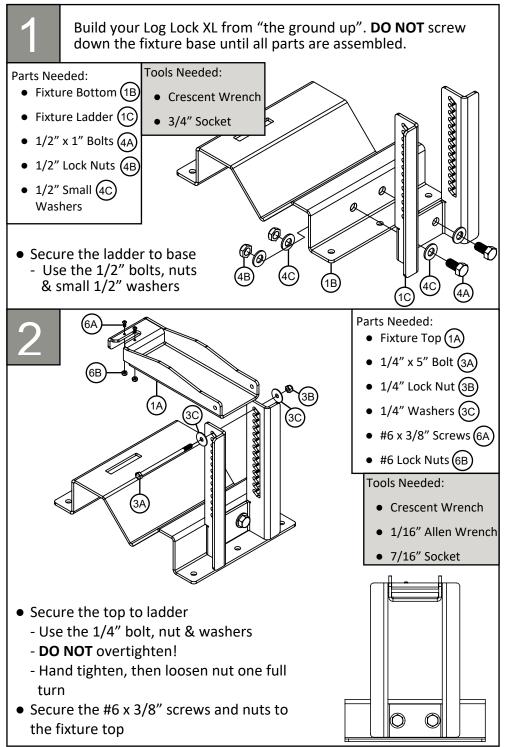


Note: Images not to scale

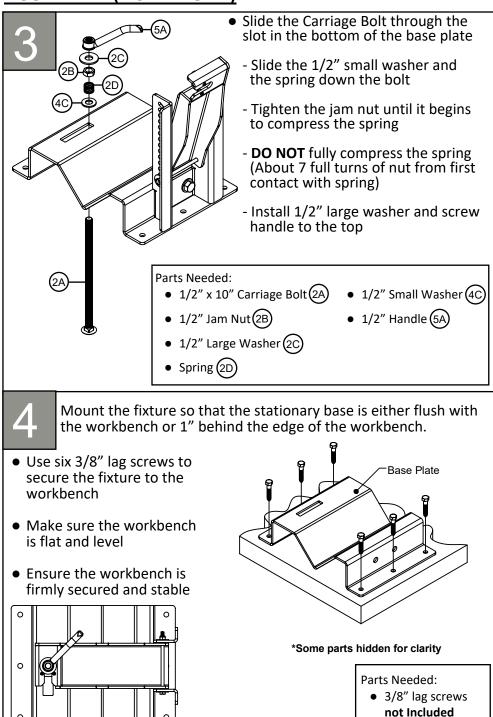
#### REQUIRED TOOLS

Allen Wrench	<u>Socket</u>	Crescent Wrench
• 1/16"	• 7/16"	
	• 3/4"	

#### **ASSEMBLY**



## ASSEMBLY (CONTINUED)



## POSITIONING A LOG

How the log is placed in the in the clamp will determine how well the log will remain stationary while cutting and drilling. The more surface area of the log that comes into contact with the clamp, the more likely the log will remain secured.

- Some logs will be twisted and knotty making them difficult to secure
- Clamp difficult logs in an area with the fewest bends/ obstructions





 Other timbers will be relatively straight and free of knots making them easy to secure

## CLAMPING PRESSURE

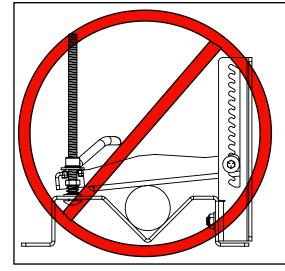
Proper clamping pressure is **VERY IMPORTANT** when doing any type of woodworking project. If the clamp is too tight, there is a risk of damaging the clamp and the wood. If the clamp is too loose, the wood will not be secure and will spin.

• When contact is first felt on the wood tighten the handle with one full turn. If the log can still be spun by hand, continue tightening the handle in half-turn increments until the wood is secured

If you notice the log start to wobble or looks like it may spin loose, STOP your current actions.

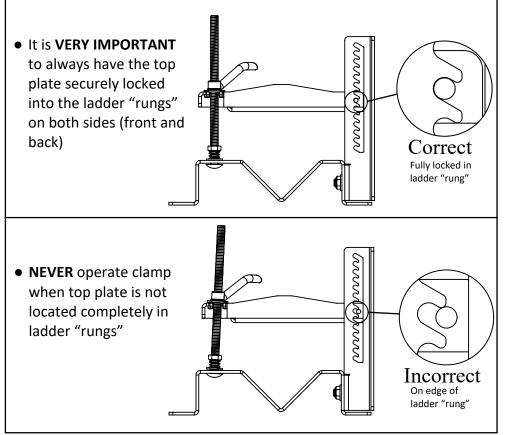
- Make sure the fixture is tight on the log
- Reposition the log so that it is more stable
- Try readjusting the ladder to better fit the log
- Avoid clamping on knots and uneven points on log

#### **IMPROPER CLAMPING**

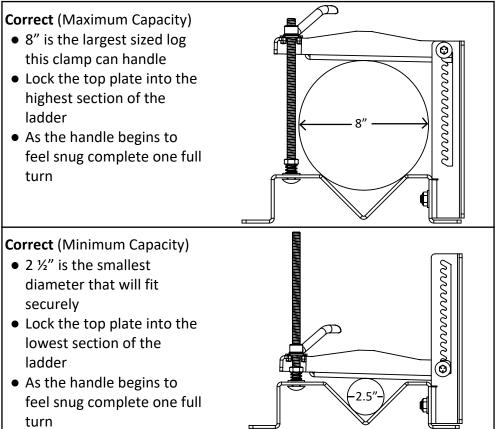


- NEVER have the top plate positioned with the handle end lower than the ladder end
- The handle end of the clamp plate should ALWAYS be higher than or equal to the ladder end of the clamp plate

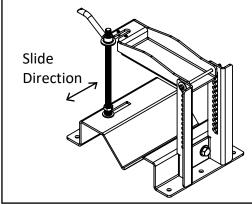
## LADDER ADJUSTMENT



## LADDER SETTINGS



#### HANDLE SLIDE

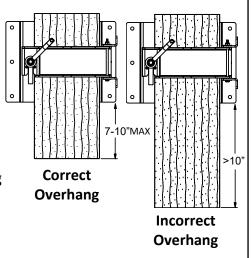


- The handle slide makes clamping /unclamping quick & easy
- Simply slide the handle in the slot to avoid fully unscrewing the handle to lift the top

## LOG OVERHANG

It is important to clamp logs so there is enough log sticking out to cut a tenon or perform another task. The key is to not have too much sticking out to where the log and clamp are unstable, but also not to have too little sticking out to where a full cut cannot be made.

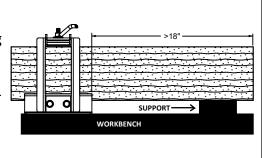
- 7"-10" is standard overhang
- NEVER have more than 10" of log overhang from the end of the Log Lock



## REAR SUPPORT

When clamping logs over 18" long, we strongly recommend using a support to keep the back of the log level.

 An unsupported log may damage the Log Lock XL and/or the surface the Log Lock XL is mounted on



## ADDITIONAL TIPS

- It takes time to master using these tools
- Make a plan of what you want to build before you begin
- Have a list of all tools and materials you will need
- Do not over complicate your first few projects
- Practice reading the natural twists and defects in the wood
- Practice clamping different types of logs

#### MAINTENANCE

Always clean your Log Lock after each use. If you are unable to clean your Log Lock after each use, clean the fixture on a monthly basis to maintain regular, safe function.

#### • Fixture

- Cleaning
  - o Keep the fixture body clean of sap, sawdust and other debris
  - o Clean the fixture with a solvent (such as mineral spirits)
  - o Failure to clean could lead to log spin during next use

#### • Fasteners

- Inspection
  - o Check for visible thread damage
  - Do any of the bolts appear bent or deformed?
  - o Replace any damaged nut, bolt or washer

- Oiling

Apply oil to the hinge bolt & screw handle on a monthly basis

#### Mounting

- Inspection
  - Make sure the lag screws securing the fixture to the workbench are still holding properly
  - o Remove any debris between the workbench and fixture
  - o Is the workbench still level and stable?
  - o Replace any broken screws
  - o Tighten any loose screws

TASK	EACH USE	MONTHLY
Clean "V" trough	Х	
Inspect bolts	х	
Inspect spring	х	
Inspect mounting lag screws	х	
Oil hinge & screw handle		х

### TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
<ul> <li>Log/Timber spins inside clamp</li> </ul>	<ul> <li>Clamp is not applying enough pressure</li> </ul>	<ul> <li>Tighten handle until log is secured</li> </ul>
	<ul> <li>Top not oriented properly over log</li> </ul>	<ul> <li>Adjust top in ladder to properly fit</li> <li>Re-orient the log if needed</li> </ul>
<ul> <li>Wobbling or</li> <li>Vibrating log in</li> <li>fixture</li> </ul>	<ul> <li>Log sticking out too far from clamp</li> </ul>	<ul> <li>Position log with no more than 7-10" of overhang</li> </ul>
	• Fixture loose on base	<ul> <li>Re-tighten screws securing base</li> </ul>
	Workbench not stable	Move fixture to more     stable workbench
• Thread damage on carriage bolt	• Over-tightening the fixture	<ul> <li>Replace the damaged bolt and do not over tighten</li> </ul>
• ¼" bolt bent	<ul> <li>Over-tightening the fixture</li> <li>Uneven clamping (knots, etc)</li> </ul>	<ul> <li>Replace the damaged bolt and do not over tighten</li> </ul>
• Top not staying locked into ladder	<ul> <li>Top not oriented over log properly</li> </ul>	<ul> <li>Adjust top so that the handle end is higher than the ladder end</li> </ul>
	<ul> <li>Log orientation making it difficult to secure</li> </ul>	<ul> <li>Re-orient the log and adjust the top as needed</li> </ul>

#### UNEXPECTED OCCURRENCES

Engineers and Quality Control staff at Lumberjack Tools have provided you with one of the easiest to use and safest timber clamping devices on the market. However, there is always the unexpected chance of failure.

• Please contact our customer support for a replacement if a failure ever occurs in the top plate, bottom plate, or ladder

#### Thank you again for purchasing our tools!

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