



Lightning Bolt® Lock Pin

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INSTALLATION GUIDE

Anchor Lock Pin for Ramp Doors



TOOLS REQUIRED:

A Lightning Bolt® Installation Kit from Thunderbolt® is required. • Cordless Drill • Cordless Impact Gun • Adjustable Wrench • Eye Protection • Cutting Oil



We suggest installing the Lock Pin on the side of the ramp door where the pull handle is attached.



Locate a spot on the ramp door where the lock pin tip will engage into. The spot should align with the outside spot where the anchor will be installed.



Locate the spot on the outside edge of the trailer where the anchor will be installed. The spot should be as flat as possible and fit the diameter of the anchor.



Latch the door shut and check that the Anchor will fit on the outside spot with no obstructions and that the hole will be lined up with the door once drilled.



Drill a 3/16" hole from the outside spot all the way into the ramp door. Use the drill guide from the install kit to keep the hole as straight and accurate as possible.



Open the hole on the outside of the trailer to 11/16" using the provided step bit from the installation kit. The hole will then fit the Tap also included in the kit.



Place the LEFT-HAND Tap in the Socket from the Installation Kit. SLOWLY operate the Impact Gun in REVERSE to tap the hole. **Do not use a Drill, it is imperative to use an IMPACT GUN.**



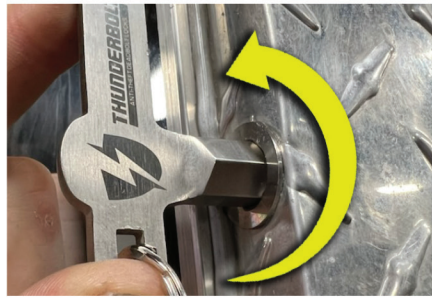
Once the threads have been cut, place the Impact Gun in the FORWARD position to remove the tap. Run the Tap SLOWLY back and forth to clean the thread a few times.



Fit the Anchor into the tapped hole using the collar guide at the tip of the Anchor. Keep the Anchor as straight as possible. Add a small amount of oil before inserting.



Insert the Thunderbolt® Key into the Anchor as the key doubles as a tool to thread the Anchor into position.



Turn the Anchor to the LEFT to thread the Anchor into the threaded hole. You can use pliers to help turn the key slowly, but use a rag to protect the key. Do not bend the key.



Enlarge the hole in the ramp door using the step bit to fit the bolt. Refrain from making the opening too large. You can always return to make it larger if needed.



Now, use the step bit enlarge the hole in the inside wall to fit the Lock Pin.



Latch the door shut.



From the outside of the trailer insert the Lock Pin into the Anchor opening.



Hand tighten the Lock Pin by turning it to the LEFT. If there is any resistance enlarge or file the interior holes to fit.



Tighten the Lock Pin using the Thunderbolt® Key Tool turning it to the LEFT. DO NOT OVER TIGHTEN.



The Lock Pin is now in place securing the ramp door.



Secure the Lock Pin holder to the interior wall with the provided screw.



The Lock Pin can be stored in the pin holder when not in use.



The Lock Pin is now in place to secure the ramp door. An additional Lock Pin can be installed on the other side for additional security.