

Installation Guide

Box Truck Lock Kit



Protect your valuables, cargo, and livelihood.



We appreciate your trust in our company and look forward to significantly improving your box truck's security.

This booklet is only a guide to installing Thunderbolt® locks and is not a complete or comprehensive manual since every box truck is different. We recommend consulting a professional installer or up-fitter if you are not comfortable with the installation process at any time.

You can follow this guide to walk you through the installation process; however, we encourage you to watch the "Box Truck Lock Installation" video on our website. Keep in mind we continue to update our website with installation tips, photos, and videos.

Additionally, we are here to help; our goal is for your installation to go smoothly. If you need guidance, feel free to contact our team. If you have any questions regarding your order, please email us directly at info@thunderboltlocks.com or call us, and one of our team members will get back to you.

Please note: Thunderbolt® deadbolt locks are intended to protect contents and should not be engaged while the truck box is occupied as a safety precaution. The Thunderbolt® manual release knob should be installed in a location that is easily seen and accessible. Be sure to read the entire installation guide before installing the locks.

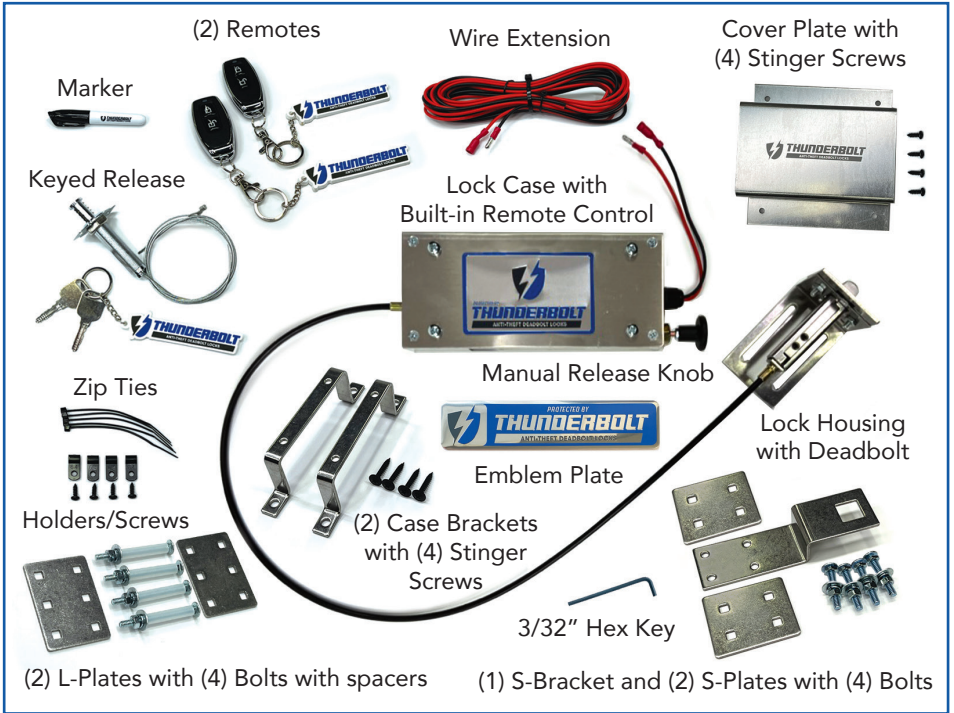
Best regards,
Team Thunderbolt®



Box Truck Lock Kit Built-in Remote Control



Box Truck Lock Kit Contents



Suggested Tools

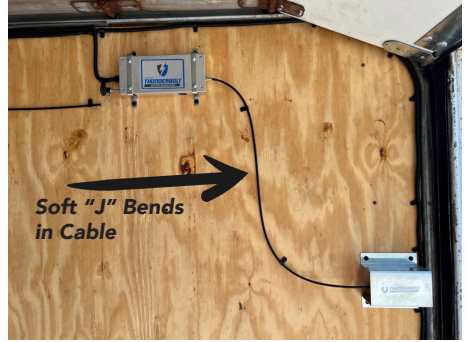




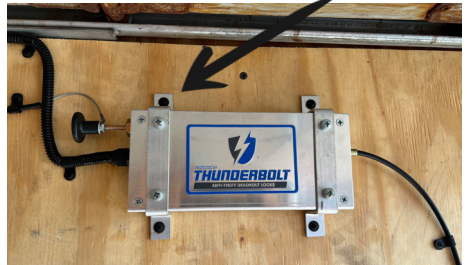
Watch the Box Truck Lock Installation Video before beginning your installation. You can scan the QR code with your phone to visit our website.



We suggest watching the box truck lock installation video on our website to get a feel for the process before starting your installation. You will need two people to complete the installation since the door needs to be opened and shut periodically. Every box truck application is a bit different, but the installations are similar overall. If you plan on installing dual locks, it is the same installation process on both sides of the box.



Mount the case using the case brackets.



WHERE DO I BEGIN?

The installation begins with deciding where to install the "L" bracket and deadbolt. Which will strike into the "S" bracket and impede the roll-up door from opening. We usually pick a spot about midway on the door, but since the Thunderbolt® is universal, you can install it lower or higher.

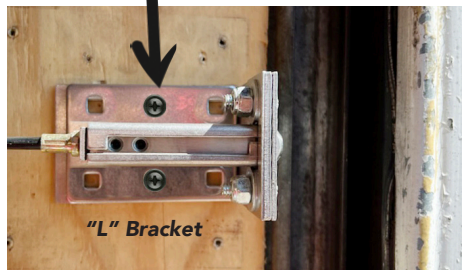
MOUNT THE CASE

Once you pick a suitable spot, you will mount the case first using the provided case brackets and screws. Ensure the case is about two feet away from the door to allow for soft "J" bends in the housing cable that drives the deadbolt.

Next, using only two screws borrowed from the cover plate temporarily mount the "L" bracket and "L" plate. The "L" bracket will mount against the wall with the "L" plate over it.

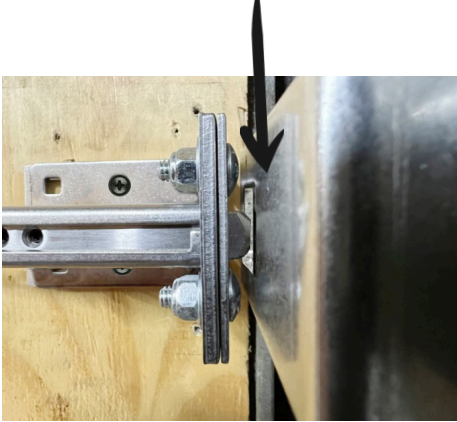


Use stinger screws in middle holes.



POSITION THE "S" BRACKET

IMPORTANT: Ensure your assistant pulls the door shut and secures the door's swing latch. This action is **imperative** and will make for an accurate alignment of the hardware. Now position the "S" bracket where it will mount and allow the deadbolt to strike into the square opening. Using the manual release knob, engage and disengage the deadbolt to target the square strike opening in the "S" bracket.



Make sure the bolt strikes inside the square opening of the "S" bracket. You will adjust the length of the bolt throw later.

The housing can also adjust back and forth to allow for precise targeting of the deadbolt if needed.

Now borrow the remaining two screws from the cover plate and temporarily mount the "S" bracket to the box truck door using the middle two holes.

TEST THE CLEARANCE

Roll up your door while the "S" bracket is temporarily secured to ensure the "S" bracket is not obstructed as it travels on the door along the rail. If you have the all-clear after rolling up the door, it is time to take the next step or re-adjust the hardware to fit.



Make sure the roll-up door is fully closed and latched when marking the drill holes for the "S" bracket.

MOUNTING THE "L" BRACKET

Mark the four corner holes for drilling with the marker. Once the four outer holes are marked, remove the "L" bracket and plate and begin with the 1/4" drill bit to make your openings.



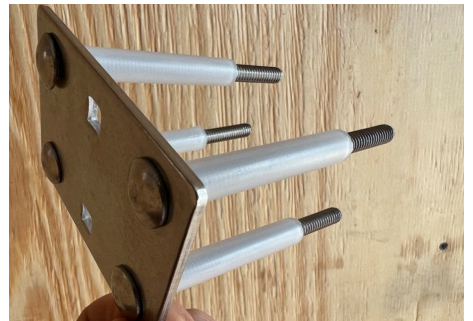
Put the "L" plate back on the truck box wall using the two stinger screws. Use the plate as a template to drill the four 1/4" holes.

IMPORTANT: Drill straight holes! Take it slow and steady to make sure they are straight. If you used the "L" plate as a template, remove it now and return the two stinger screws to the cover plate to be used at the end of the installation.

Next, use the 3/8" drill bit to open the holes to fit the bolts and spacers. Drill the holes slowly and steadily to keep them straight.



Each bolt has a plastic spacer that allows for a firm fit on solid or hollow truck box walls. You will need to cut the spacer to fit your wall depth.





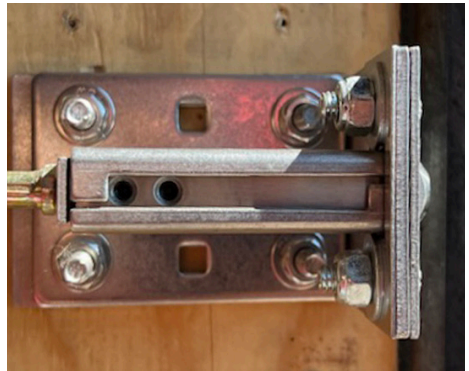
Fit the bolts through the "L" bracket and into the four holes from the outside of the truck box.



Fit the washers, lock washers, and nuts on the bolts.



The spacer should be even with the interior wall hole. Cut the spacer if an adjustment is needed.



Using a wrench tighten the nuts with the lock washers to secure the bolts.



All four bolts should now be ready for sliding the "L" bracket over them and then followed by the "L" plate.

After the "L" bracket is in place and secure, test the bolt again using the manual release knob. Then test the clearance again by rolling up and down the door. Be sure the door is LATCHED when it is rolled down; otherwise, it will give you a false target, and the bracket will need to be readjusted. Once everything is working well, the next step is to secure the "S" bracket to the door.



If you have Thread Locker liquid adhesive use it to help secure the nuts and bolts.

ADJUST THE DEADBOLT

If needed, adjust the deadbolt using the HEX Key provided in the kit.

Loosen the set screws holding the cable and slide the deadbolt into an engaged position into the square opening of the "S" bracket. Once you have the desired position, lock in the two set screws, but **DO NOT over-tighten!** The set screw tips have a "dog ear" design, so they snug well without overtightening and allow for future adjustments.

MOUNT THE "S" BRACKET

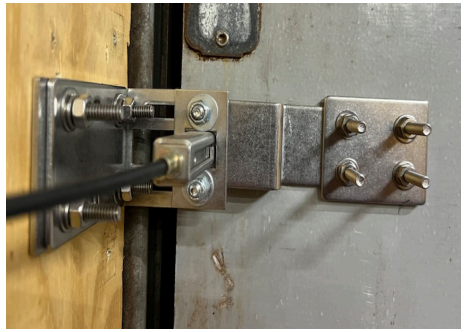
At this point, the "S" bracket should be temporarily secured with two stinger screws. Mark the two open holes using the marker. Next, remove the stinger screws, remove the bracket and mark the screw holes left in the door from the stinger screws with the marker. This is where you will drill the 1/4" holes to secure the "S" bracket with the bolts.

IMPORTANT: Drill straight 1/4" holes into the door. Take it slow and steady to make sure they are straight. **ONLY USE 1/4" DRILL BIT** in this step.

Have your assistant push the carriage bolts through the outside "S" plate and into the drilled holes from the outside. Fit the bolts through the "S" bracket and into the interior "S" plate. Using the lock washers and nuts, secure the bolts. Use thread locker if you have it.



The "S" bracket bolted against the door with the "S" plate covering it. Another "S" plate is on the outside of the door.



Recheck that the deadbolt is lined up by pushing the manual release knob with the door fully closed and latched.

INSTALLING THE KEYED OVERRIDE

Each lock includes a keyed override, whereas if the battery ever dies you can access the truck.

To install the override, drill a 1/2" hole almost the entire cable distance towards the truck cab, leaving some slack. Keep the hole about the height of the knob. Once the hole is drilled, insert the cable and cylinder from the outside.



The override getting pushed into the hole.

The override connects to the manual release knob by unscrewing the knob and placing the ring over the rod, secure with the nut and reattaching the knob.



Override connected to knob with ring.

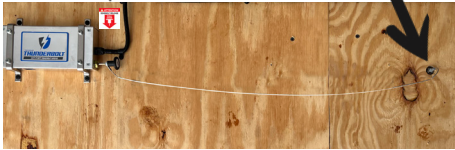
Attach the rotation shield to the cylinder and screw it into the wall to prevent tampering. Next, secure the override with the provided nut using pliers or an adjustable wrench. Test the override by unlocking and removing the cylinder to pull the cable attached to the knob.



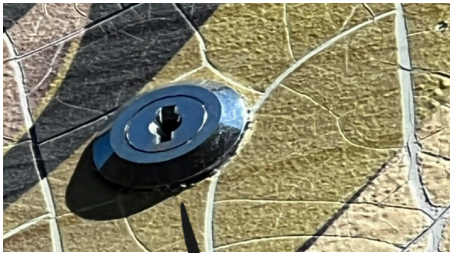
Rotation Shield



Attach the knob location sticker.



Notice the slack in the cable leading from the knob to the cylinder.



The keyed override will be located high on the outside of the box truck to prevent tampering.

CONNECTING THE WIRING

Connecting the wiring is as easy as running them to your battery. Each case has two wires; a red (power) and a black (ground). These two wires get connected to constant power and ground, and then the deadbolt will operate by clicking one of the included Thunderbolt® remote controllers.

Box Truck Lock Kit Built-in Remote Control

WIRE COLORS:

Red = Power (Constant)

Black = Ground



The Dual Box Truck Lock Kit includes two lock kits and follows the exact installation instructions as the single with one lock installed on each side of the truck box.

Dual Box Truck Lock Kit



Distribution Block Optional Accessory

If you purchased the distribution block accessory, you run the red and black extension wires to your battery and install the block in a central location in your truck box. Then each lock kit wires will tie into the terminals on the block. The block provides 6 terminals to power locks and/or other 12 Volt accessories.



If you are not familiar with wiring we suggest consulting a professional.

Power Extension Wiring
with Fuse



6 Terminal Distribution Block



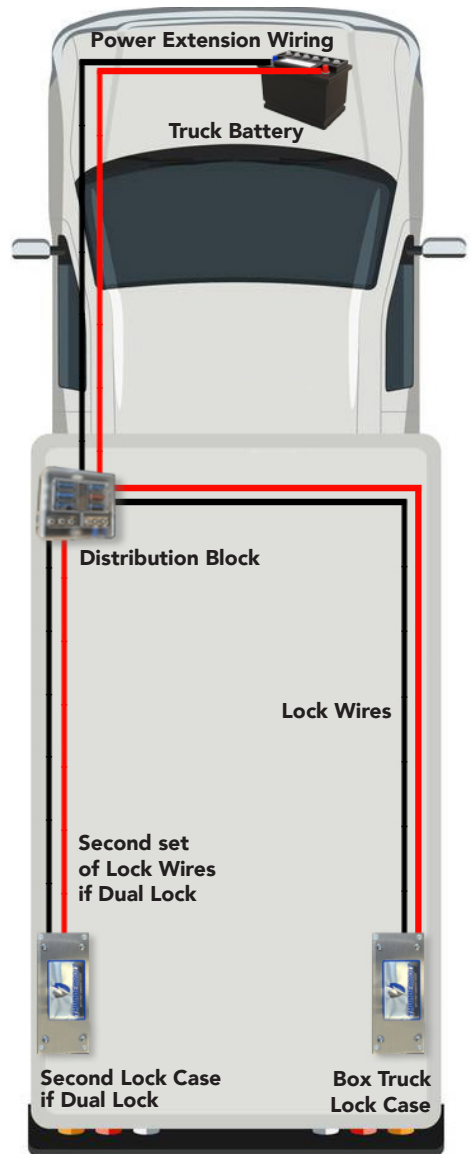
When installing Dual Box Truck Locks we recommend purchasing the Thunderbolt® Distribution Block to connect both locks.



Add other 12 volt accessories to the distribution block in the truck box like overhead LED lights and a phone charger.

Distribution Block Installation Diagram

Each Thunderbolt® Lock connects to the distribution block. Additional 12-volt accessories, such as a phone charger or LED lights, can be connected.



Once the wiring is complete the lock(s) will all operate from one of the provided Thunderbolt® remote controllers.

INSTALL THE COVER PLATE

Each lock includes a protective cover plate that secures over the “L” bracket and gets mounted to the wall.



Lock shown without the cover plate.

The protective cover plate includes 4 stinger screws to securing to the truck box wall.



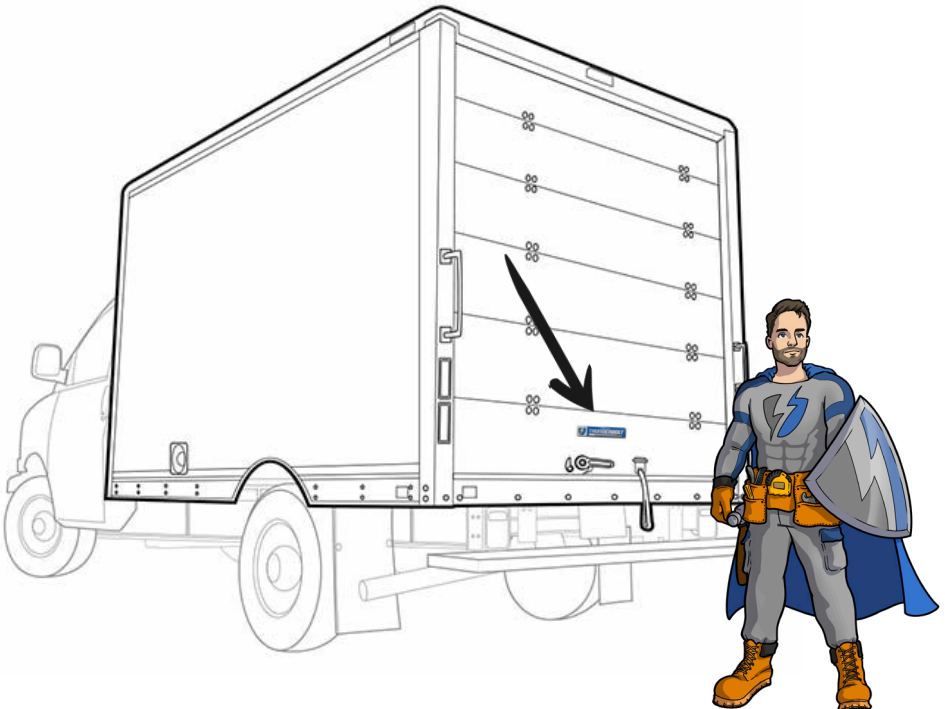
Lock shown with the cover plate.

ATTACH THE EMBLEM PLATE

Congratulations on securing your box truck. The final procedure is to attach the Thunderbolt® self-sticking emblem plate to the outside of the roll-up door, putting thieves on notice that a break-in attempt is not advised.



We recommend placing the emblem plate near the door handle of the secured door.



IMPORTANT WARNINGS • TERMS AND CONDITIONS

Read the entire guide before installing the product. Deadbolts are intended to protect contents and should not be engaged while the truck box is occupied or ignition is running as a safety precaution. The Thunderbolt® manual release should be installed in a location that is easily seen and accessible. Attach the provided arrow sticker above manual release knob.

Each Thunderbolt® lock gets lubricated with silicone spray before it leaves the assembly line. We suggest spraying each lock with silicone periodically.

Thunderbolt® Locks are an aftermarket locking device. Thunderbolt® Locks, Inc. does not cover or extend any warranty on any vehicle. It is possible your vehicle's warranty may be voided by adding any aftermarket products, including Thunderbolt® products. It is your responsibility to check before ordering or installing the product, and Thunderbolt® Locks, Inc. takes no responsibility for any loss or voided warranty of any kind.

The Thunderbolt® lock products are intended to be used to secure your vehicle; however, Thunderbolt® Locks, Inc. does not guarantee that a break-in is not inevitable or that the possibility of failure of the product for any reason. Thunderbolt® Locks, Inc. takes no responsibility for any theft, damage to the vehicle, or loss of any property/cargo whatsoever.

Test your Thunderbolt® locks each time you use your vehicle to ensure they are correctly working. Instruct any persons using the vehicle exactly how the locks perform and how to manually release the locks if needed. Instruct them that the locks should not be engaged when any persons are inside the truck box or while it is running.

Thunderbolt® Locks, Inc. does not take any responsibility for persons being locked out or locked in a vehicle for any reason, including battery failure or product failure. The Thunderbolt® locks are intended not to be engaged while the vehicle is running or ignition is on. The manual release knob should be installed in an easily accessible and visible location. Thunderbolt® Locks, Inc. or any of its owners, shareholders, or employees take absolutely no responsibility for any injuries or death or for any damages that could arise from using or installing our products. Do not install any Thunderbolt® products if you do not agree to these terms and conditions.

Contact us if you have any questions on how to operate or test your locks.





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