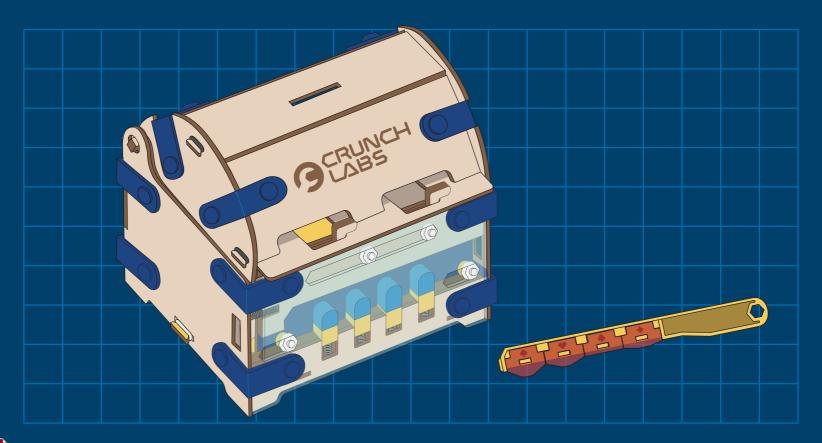


# BUILD LOCK BOX



# NEW VIDEO UNLOCKED

**BUILD ALONG & LEARN WITH MARK ROBER** 





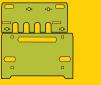
# CRUNCHLABS.COM/LOCK

#### **PARTS**











thin wood parts

thick wood parts

color parts

plastic parts

key parts







socket head bolts



carriage bolts



nuts



spacers











driver pins



springs

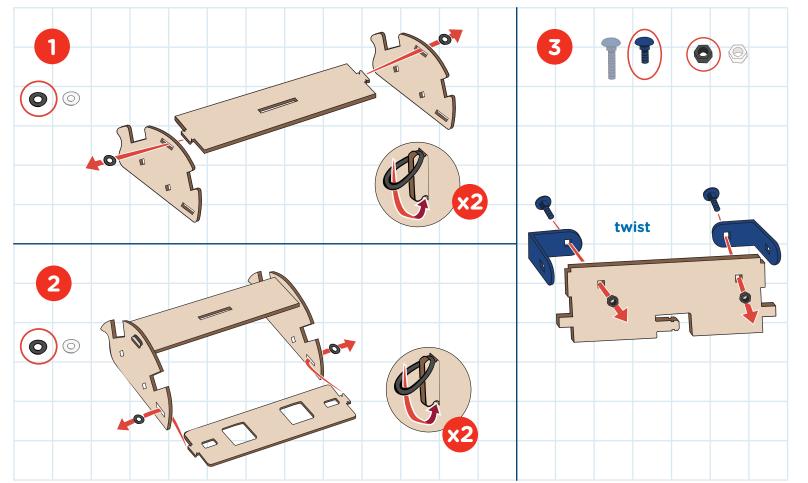
0.

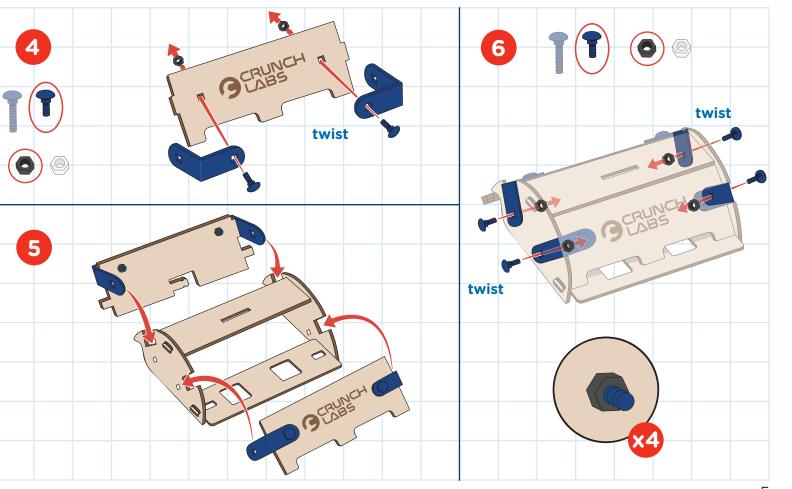


o-rings

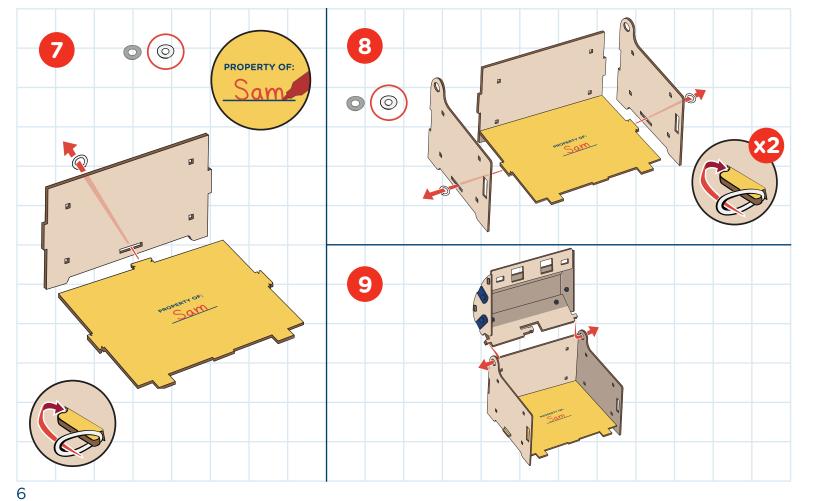
For missing and replacement parts, visit "My Account" at crunchlabs.com and we'll ship them to you for free.

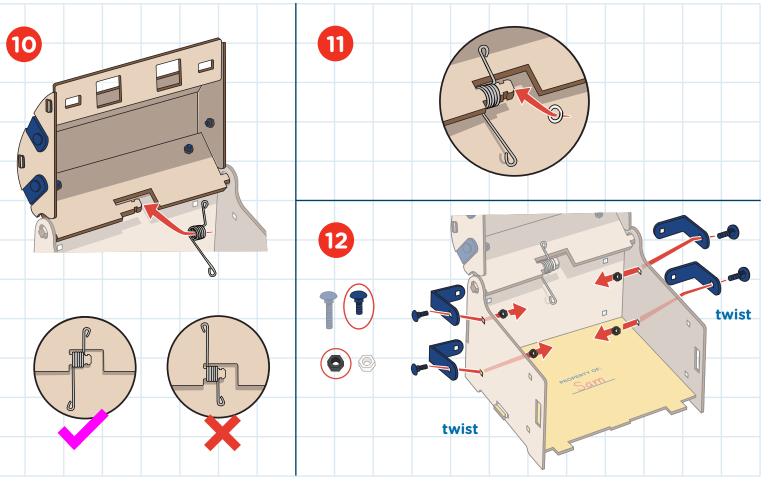




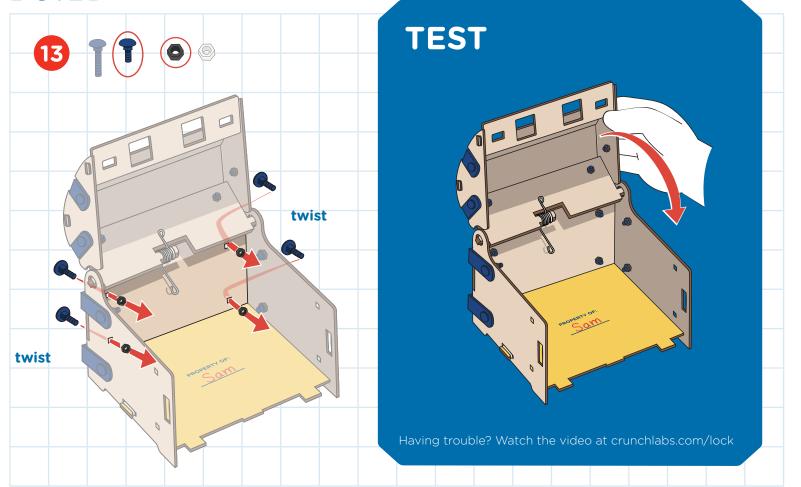


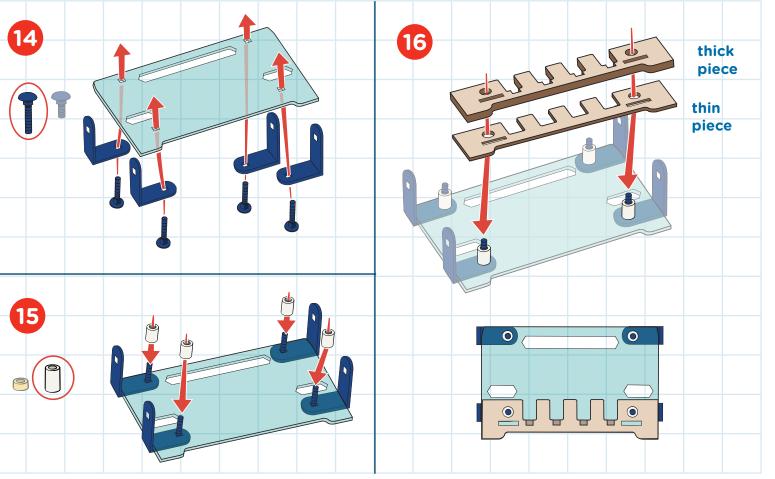




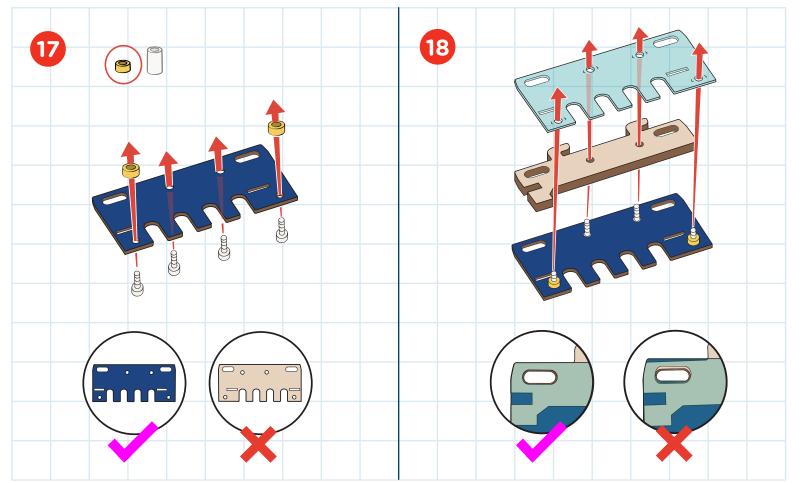


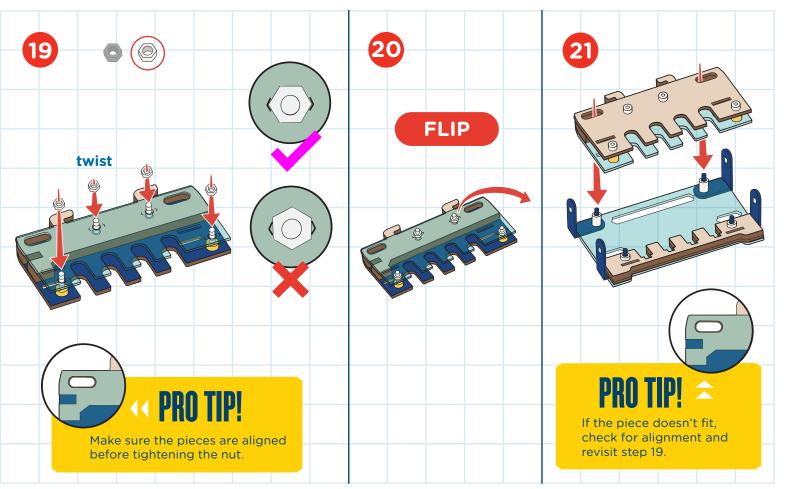




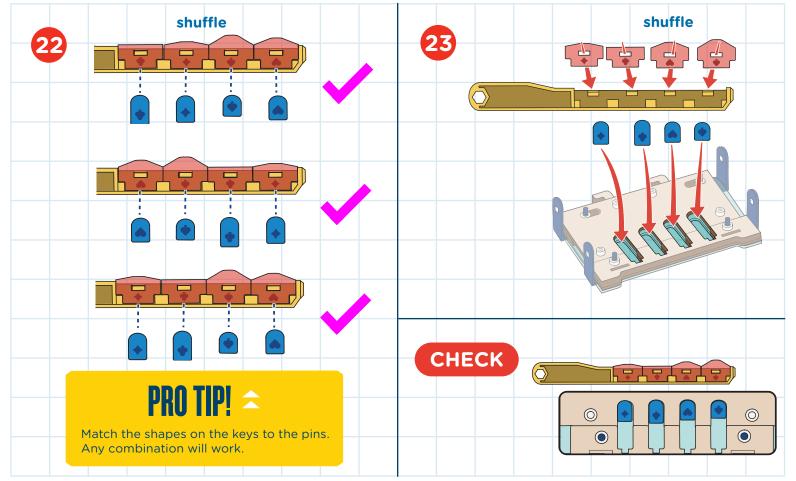


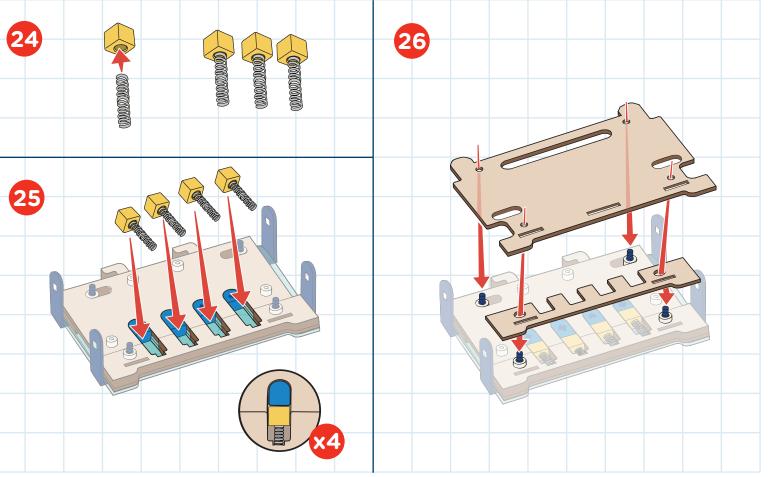


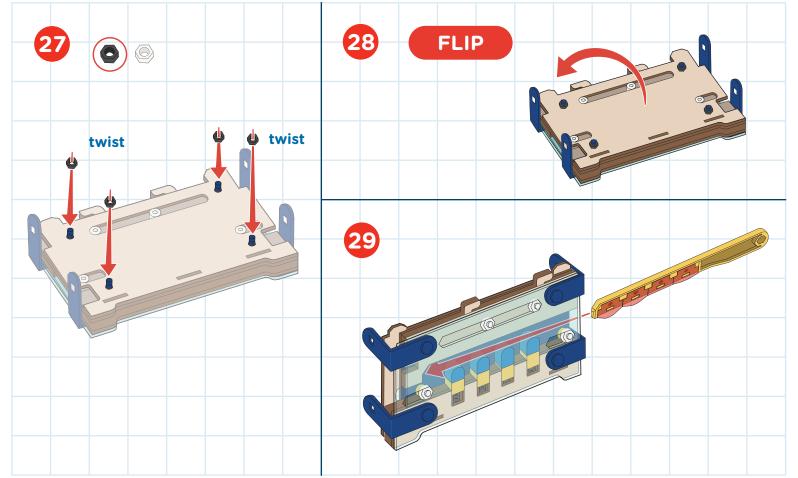




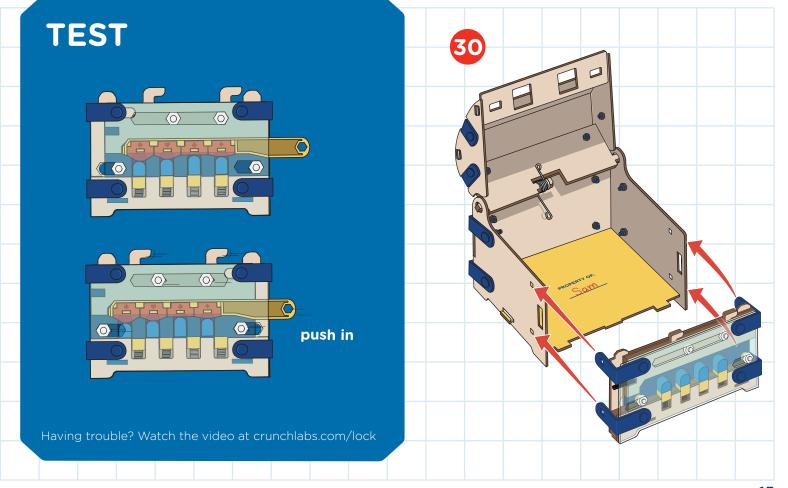
### **BUILD**



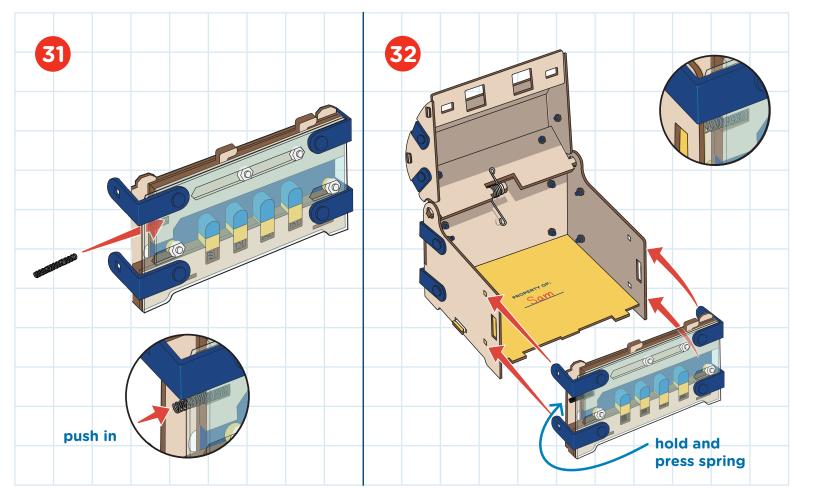


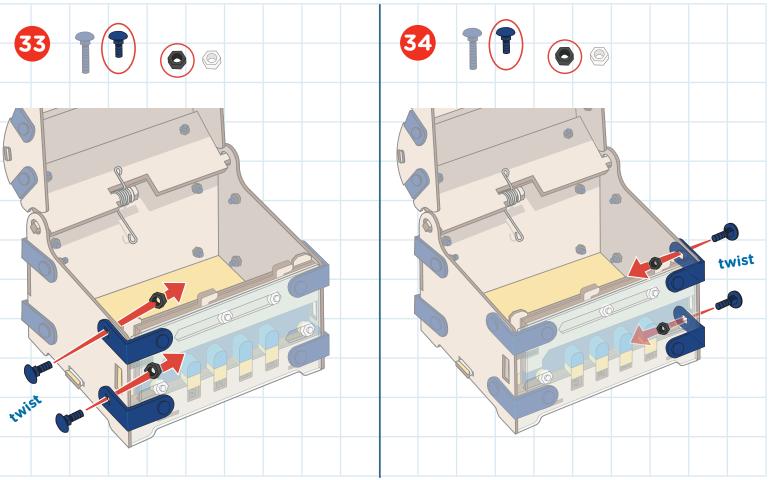


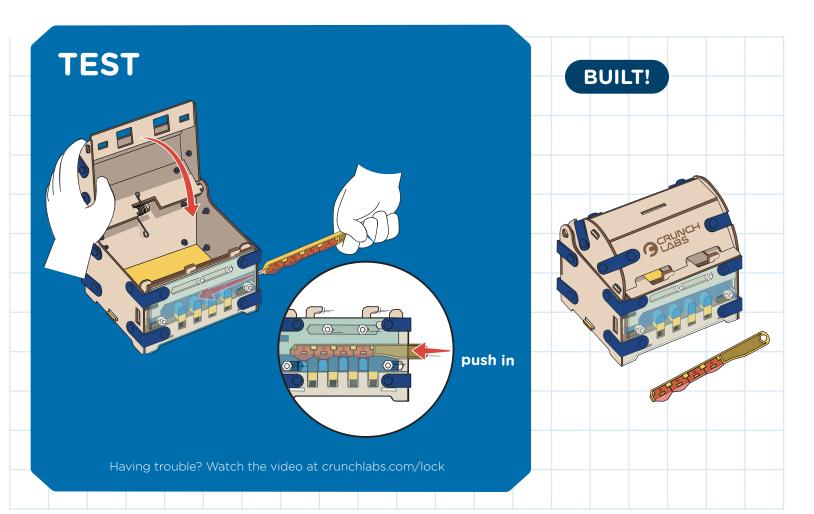
### **BUILD**







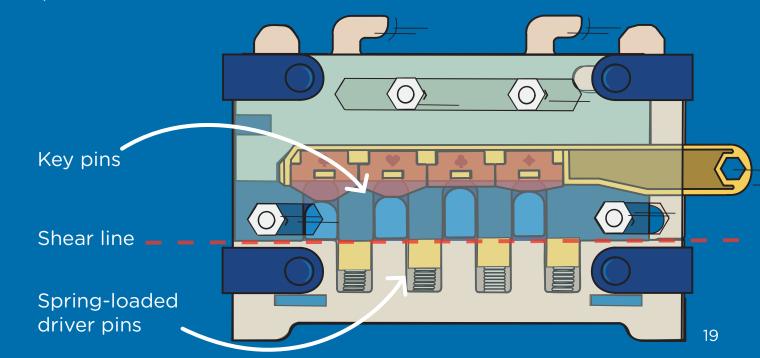






# In engineering, a pin secures the position of two or more parts relative to each other.

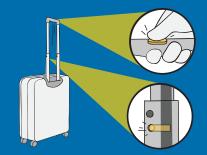
When a key with the right combination is inserted on your Lock Box, the key pins and the spring-loaded driver pins align at the shear line to open the box.



THINK

THINK

There are many types of pins that come in various shapes and sizes, like dowel pins, cotter pins, taper pins, and shear pins. They can be found everywhere, from airplane doors to dining tables.



## TELESCOPING HANDLE

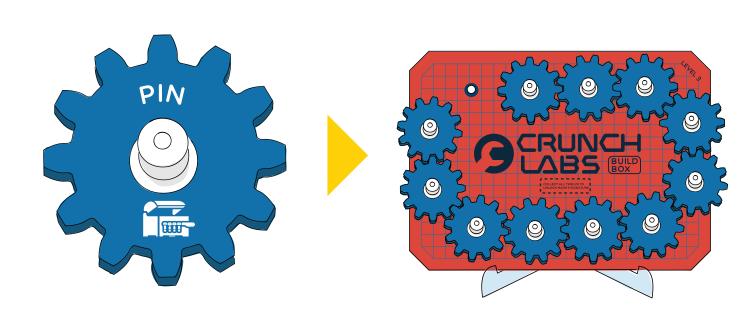
Spring loaded pins engage to lock the telescoping handle in position and disengage to allow you to adjust the handle height.



## LAWN MOWER

When the blade hits something too hard, the shear pin in a lawn mower is designed to shear off and break in a specific place. While you sacrifice the pin, this actually prevents damage to more important parts of the machine.

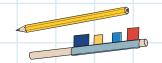
# CONGRATULATIONS! You earned a gear badge for pin



Don't forget to add your gear badge to your gear train!

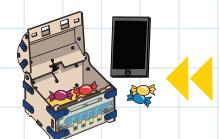
#### **CRUNCH**

It's crunch time! Use your engineering superpowers to keep building.



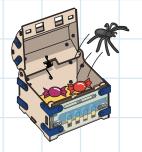
## **LOCK PICK**

Now that you know how the locking mechanism works, can you pick it - without the key?



### CONCENTRATE

Lock away distractions such as your phone or snacks so you can focus on your homework.



### PRANK YOUR BUDDY

Put something silly or unexpected inside the treasure chest and give it to a friend!

# SHOW OFF YOUR BUILD





Share your funniest moments & coolest mods! #crunchlabs @crunchlabs # f • J



#### **SWEEPSTAKES**

Each CrunchLabs build box contains the chance to WIN a trip to visit CrunchLabs with Mark Rober! Sadly, you are not a prize winner this time. Check inside your next build box for another chance to win.

Trip includes roundtrip transportation and two (2) night's hotel accommodations for a family of four (4). Approximate value: \$4,500. NO PURCHASE NECESSARY. Open to legal U.S. residents, 18 years of age or older. Void where prohibited. For complete Official Rules, including promotion end date and information on how to obtain a free game ticket, visit www.crunchlabs.com/win.

This toy is intended for use by children over the age of eight years. These instructions contain important information, do not throw away.