



PEB ENTERPRISES, LLC
Fire Service Training Systems

QUICK REFERENCE
FIELD OPERATING INSTRUCTIONS

for the
“CHALLENGER”®
FORCIBLE ENTRY TRAINING DOOR SIMULATOR

(KEEP WITH THE DOOR PROP AT ALL TIMES)

IMPORTANT NOTICE!

The following operating instructions must be followed as outlined to prevent injuries, damage to the prop and equipment. Failure to comply with these instructions can result in serious injury, death and void product warranty. PEB Enterprises, LLC will assume no liability for loss, damage or injury of any kind expressed or implied resulting from improper installation or use of this product. This quick reference instruction sheet is provided as a tool to aid in the safe set up, use and operation by personnel in the field and is not meant in any way to take the place of the owners manual.

The use of large heavy door forcing equipment such as but not limited to battering rams, sledge hammers etc. are not approved devices for sounding or for direct forcing of the door. The **YELLOW strike plates are designed for impact /sounding by the use of fire dept. haligans and pro-bars only.**

KEEP WORK AREA CLEAN. Cluttered work areas invite injuries. Clean up wood scraps immediately after each personal use. Keep all tools not being used staged a safe distance away to prevent trip and fall incidents. Never leave sharp consumables mounted in and sticking out of the prop serious laceration injuries may result to skin and or PPE.

BY PROCEEDING WITH THE OPERATION OF THIS PROP YOU AGREE
THAT YOU HAVE FULLY READ AND COMPREHEND THE FULL CONTENT
OF THE SUPPLIED OWNERS MANUAL.

Moving and Placing the Door Prop

1. Find a ***flat clean and level surface made of concrete or asphalt*** to place the door prop. To safely move the door prop on its wheels ***use 3 people***, one person ***raise and lock the third leg*** and pulling back on the upper handle while the second and third person grasps the 2 handles on opposite side (part of the K-12 saw tree) and lift upward using their legs, slowly tilt and lower the door onto the third wheel assembly. ***NEVER TILT THE DOOR WITHOUT THE USE OF THE 3RD WHEEL ASSY. LOCKED IN THE UP RIGHT POSITION!***
2. ***The door is designed to be pushed and not pulled.*** If you pull the door backwards ensure that the 3rd wheel is fully locked into place. If the wheel is not locked and the door is pulled backwards the 3rd wheel could quickly stop on gravel, debris or bay door threshold lip causing the wheel to fold under and the door to quickly and very forcefully fall to the ground possibly causing severe injury.
3. Once the door is on a suitable hard flat surface level the door to remove any movement by simply pushing the door back towards a third corner and hand tightening the opposite base leveling “T” bolt until contact to the hard surface is felt. Just remember to completely back off both “T” bolts before moving the door again. You may have to move the door around in several places to find the most level spot. You can now fold out the 2 base extension plates.

Using the K-12 Saw Tree

4. When placing round stock or rebar into the receptacles ***do not install pieces horizontally no longer than 24” long.*** Longer pieces will create trip hazards and injuries to the face or head if someone were to walk by it or rise up into it. The attachments will accept up to $\frac{3}{4}$ ” #6 rebar. After inserting cutting material allow approx. 6” to stick through on the either side and aggressively tighten the retaining bolt using a $\frac{3}{4}$ ” box end wrench or ratchet, periodically recheck after cutting, vibrations from the saw may loosen the retaining bolts. To save materials allow approx. 6” to stick through on either side and cut short half to $\frac{3}{4}$ ” pieces.

Using the Hinge/Flat Plate Cutting Attachment

5. When cutting hinges or flat plates place the desired size hinge into the hinge attachment and allow the hinge to stick out the same distance as a hinge appears on a door, the same for flat plate and secure tightly the retaining bolts. By using good body ergonomics and learning how to hold and control the K-12 saw it is possible to cut hinges and flat bar without cutting or contacting the face plates of the hinge attachment, thus prolonging the life of the attachment. The use of flat plate saves money and is just as realistic as hinges.

Commercial Door K-12 Plunge Cutting

6. To use the K-12 to plunge cut the window plate to simulate a commercial door with panic bar hardware **do not place any 2x2 into the receptacle and make sure the panic bar is in the latched position and is the only device keeping the door closed**. Insert a 16"x18"x1/8" plate into the window channel and secure with the thumb screws. It is possible to achieve up to 24 cuts into this plate before replacement is necessary. It is recommended that since the K-12 is a "Right handed saw" to start your cuts to the far left of the plate, so the following students or firefighter can see and start their cut as close to the last cut as possible. Bring the saw up to max RPM and start the cut to the left and centered (top and bottom) of the plate. Once the blade goes through allow the saw to do the cutting stop before the blade hits the window channel. Allow the blade to stop turning and remove the saw, cut it off and place it on the ground, take a framing square or other commercial device and place it through the cut that was just made and hook the panic bar and pull towards you opening the door.

Using Hydraulic Forcing Tools

7. **Note: It is necessary to remove the lock pull simulators from the door for access in gapping and to clear the head of the hydraulic tool for inward forcing function.** To use hydraulic forcing tools **first ensure that the front latch bolt is locked out and place a 2x2 into the front receptacle and lightly tighten the "T" handle** (this pushes the door tightly against the rabbet or jamb stop). **Locate the PRY ZONE and place your hydraulic tool anywhere within this zone.** Any forcing or prying outside this zone may cause damage to the 16 ga. door covering. If the Rabbet tool cannot be hammered in place with a dead blow hammer then it will be necessary to gap the door using your haligan and flat head axe then placing and actuating the rabbet tool.

Inward and Outward Forcing

8. **Note: It is necessary to remove the lock pull simulators from the door for access in gapping the door with the adze end during inward forcing function.** When forcing the door inward or outward with Haligans or Pro-bars **the front latch bolt should be locked out for these functions** (you can achieve a greater gap with the latch bolt locked out). Place a 2x2 into the receptacle and hand tighten the T handle. Using a 2x2 simulates additional locks or latches that maybe used on the other side of residential or commercial doors that you can't always see and provides a more realistic force that is needed to completely open the door. Remember to keep the Haligan or Pro-bars in the PRY ZONE or damage may result to the latch bolt or the 16 ga. door covering.

Through the Lock Methods

9. The Challenger door simulator allows you to utilize your “R” and “K” tools as designed by the manufacturer with its patent pending lock simulators. Use only 7/16” OSB cut into 4”x4” squares with a 1/2” hole drilled in the center, place the supplied 1/2” grade 8 flange head bolt through the OSB plate then through the door and screw on either the small commercial rim lock style simulator (K tool) in the **top hole using the short 3” orange headed bolt** or the large dead bolt simulator (R tool) into **the lower hole using the longer 3-1/2” green headed bolt**. LIGHTLY HAND TIGHTEN ONLY! Use the tool as described by the manufacturer. **Ensure that when you are ready to pry the lock simulators off the door that you pry upward on the haligan or pro bar in the opposite direction that it was hammered in as stated by the manufacturer not downward.** As you pull each lock you can use the different tools that come with your “K” and “R” tools to actuate the corresponding latch bolt assemblies mounted on the side, showing the student the final steps for through the lock forcible entry.

Combination and Pad Lock Cutting

10. The combination and pad lock cutting attachment can accept a wide range of various size and strength locks. This attachment allows you to show students the many ways of cutting and braking different style locks with a K-12, bolt cutters or even the Haligan® or Pro-Bars®.



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