



# Westbury Fire Dept. - Board of Instructors

## PROBATIONARY TRAINING DRILL

### FORCIBLE ENTRY-VEHICLE EXTRICATION EQUIPMENT

Forcible Entry on Doors begins with adequate Door Size Up:

**We Need to know:**

How the door opens: Hinged, Slider, Roll up...

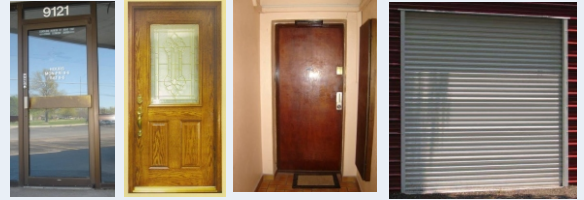
Doors Make Up: Metal, Wood, Fiberglass, Metal framed glass ...

Direction the door opens: Inward, Outward, Side to Side or Up

How the door is secured from being opened: Its Locking mechanisms

How it's affixed to the structure: Nails, screws, cement block...

What is going to meet us once the door is opened: Fire, 200 lb dog...

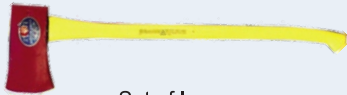


Once we've sized these items up,

**= We choose the Weakest link to get the door open.**

#### TOOLS

USE IN FORCING DOORS



Set of Irons



Maul



Pry Bar



K-Tool Kit



Pipe Wrench



Bunny Tool



Duck Bill Lock Breaker



Officers Tool



Rabbit Tool



Power Saw

## Door's Opening Direction



Door will open **Away from you** - Inwards when forced

DOOR is RECESSED - will see door Jam/Stop

Hinges will NOT be visible

**PUSHING**

**Inward Opening**

Note Recessed

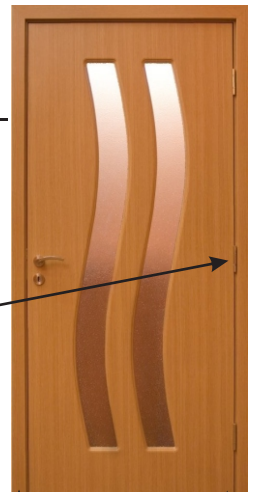
Door will open **towards you** - outwards when forced

DOOR is FLUSH with the Jam/frame

Hinges are visible

**PULLING**

**Outward Opening**



Door and Frame are Flush

# Through The Lock



Irons/K Tools Set



Halligan in K Tool

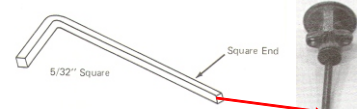
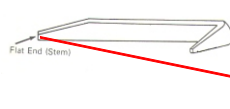
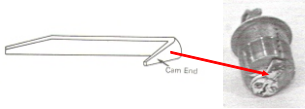


Strike Halligan w/ Axe or Maul until K-tool secures to lock



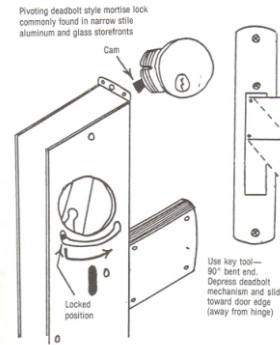
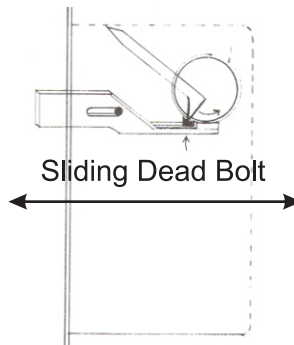
Pry Halligan Down Removing the lock from door

Look at back end of removed lock



Choose tool that will mimic its action

Operate the locking mechanism as if it was the key turning in cylinder



Pivot Dead Bolt

## Reading Door's Locks:

Outward Opening-Flush & Hinges

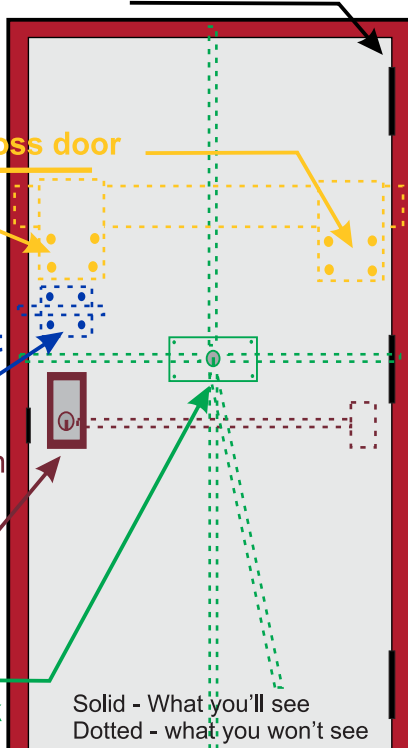
4 bolts on both side of door:  
**Bar/Board Across door**

4 bolts on one side of door:  
**Sliding dead bolt**

Pull Handle with key lock center:  
**Panic Bar**

Lock in center of the door:  
**Police/Fox Lock**

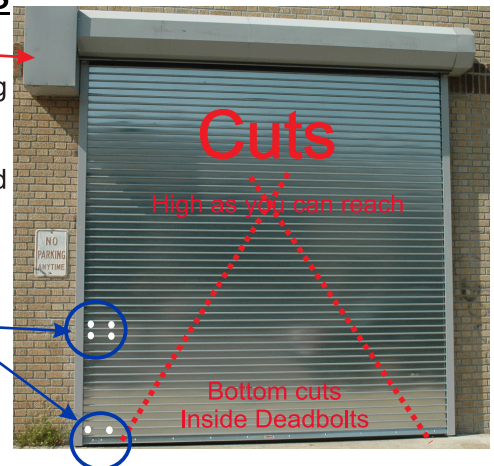
Solid - What you'll see  
Dotted - what you won't see



## Roll Up Gates

**Weakest Link**  
Open Housing  
Pull Cam Pin  
Gate can be manually lifted

Signs of  
inside dead bolts  
( **bolt heads** )  
Door would need  
to be cut



Once slots Are pulled  
Both Sides  
Gate can be opened  
mananually

**Lock is Weakest Link**  
If we can't get Locks -  
Cutting is Required:

Cut vertically inside and  
above **both** locks



Once cuts are made:  
Pull gate slot above  
slot above lock out

**Remember to -TRY BEFORE YOU PRY!**

# Vehicle Extrication Equipment

Before we start any extrication on a vehicle there are a few things we need to do prior:

1. Make the scene safe for **US** to operate
  - a. Check for hazard - Ice on road, downed wires...
  - b. Slow/Control Traffic - Rig/Cones...

*Once we've made Scene Safe for Us -*

2. Make Scene Safe for Victims - Protect them
  - a. Get a line or at least extinguisher in place for that smoking engine
  - b. Secure the large tree limb hanging over car...
  - c. Stabilize the car which is hanging on an embankment, chock wheels, step chocks...

*Once this is done, we'll enter car to*

3. Stabilize the Victim
  - a. Neck Collar
  - b. Control Serious Bleeds...
  - c. Place blanket over them to protect from our extrication operations

*Once this is all Complete - we can then begin our Extrication Operations.*

*In a good number of incidents we get so fixed on the "Pin Job" we forget about ourselves.*

*We are no good to anyone if we become victims ourselves !*



# Equipment we can use to accomplish making a Scene Safe

## SCENE:

The **Rig** by: Placement - Lights - Barrier

**Road Cones** - Lets the Traffic know what you want them to do, Slow the Traffic...

**Road Flares** - When no Spill & away from event ...

**Hand Lights/ Scene Lights** - Check the road conditions: - Wet/Ice - downed Wires - Puddle of Gasoline we just parked on...

**Speedy Dry** - Traction on the ice surface, Control the spread of that leaking fluid ...

Our **Gear/ Vest** - Makes us Visible - Identification, Lets people know we are there to help them and not the person that made them crash...



# Equipment we can use to accomplish Stabilizing a Vehicle

## Protecting Victims:

Hose Line/**Extinguisher**: If vehicle smoking or on fire

## Stabilizing Vehicle:

Wheel Chocks

Step Shocks

Rig's Winch

Floor/Bottle Jack

Paratech Jacks

Come a Long

Block Cribbing

J Hook/ Chains

Cable Cutter



# Tools we can use to accomplish to Stabilizing a Victim(s)

Once the Scene and the Vehicle(s) are stabilized, it's only then can we get to the Victim(s) and Stabilize them.

As our Medical Members enters the Vehicle, to attend to the Aided - they will need to be supported with the following equipment:

Neck Collar  
Trauma Dressings  
Oxygen  
Trauma Bag  
KED's  
Back ( Long ) Board  
Head Bed  
Blanket  
Triangle Bandage



Remember - If you don't attend to the aided ( stop their bleeding, give them O2 ) your 15 minute extrication may just become a body recovery.

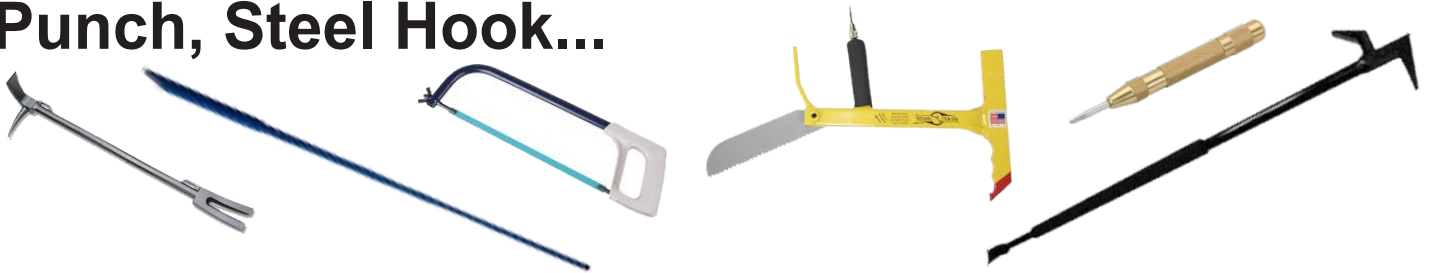


# Once the Aided is Stabilized and Protected We can begin our Extrication

Tools used in our Extrication are powered by:

Manually - “Powered by Us”

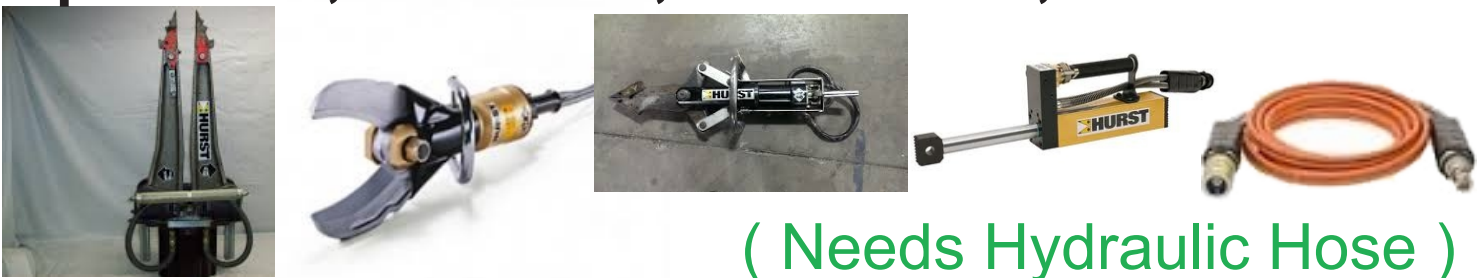
Halligan, Pry Bar, Hack Saw, Glass Saw, Center Punch, Steel Hook...



Electric - “by Generator” ( Rig or Portable )  
Lighting, Sawzall, Fan...



Hydraulics - ( Gas Powered Hydraulic Pump )  
Spreaders, O - Cutter, Combi Tool, Rams



Air - By SCBA Bottle “Air Kit”

Air Bags, Wizard Saw, Air Chisel...



# Besides a tool's power source, they can also be classified by their Function/Use

## Tools used in our Extrication - by Function:

### Prying -



both - aka Combi

### Cutting



### Lifting -



### Support -





## **Next Part of this Drill Will be At Station 2**

### **1. Forcible Entry - Door Prop.**

- a. Inward Opening door**
- b. Outward Opening door**
- c. Through The Lock - prop.**
- d. Roll gates - Using the Storage Shed  
as a visual aid demo.**

### **2. Review all Equipment on Rescue 964**

- a. Hand Tools ( does it Pry, Cut, Lift ... )**
- b. Electrical ...**
- c. Hydraulic ...**
- d. Air ...**

**All Tools Use will be demonstrated,  
so they may be utilized in a practical  
operation and next month - Vehicle  
Extrication Operations Probationary Drill.**