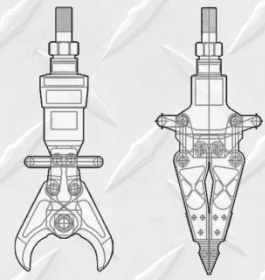




www.firstoutrescue.com  
PHONE: (716) 874-2428

# EXTRICATION TIMES



## First Out Rescue Extrication Update

The world of auto extrication is always changing; from new car technology, Ultra High Strength Steels and new extrication techniques. Rescuers need to stay up to date on the newest tools, techniques and technology to be successful during vehicle rescue operations. We thought we would share some new products and trends in the world of auto extrication as well as some 'tricks of the trade' to make your next extrication go a little smoother. We hope you find the information useful and will consider us for your extrication equipment & training needs.

## TNT Rescue New Blade Design

The use of Ultra-High Strength Steel (UHSS) in vehicle construction has been an industry standard for over 15 years. While UHSS has increased occupant safety, it has also given rescuers a formidable opponent to deal with during rescue and extrication operations.

As a leader in extrication tools, TNT Rescue has engineered a new cutter blade that can increase cutter performance up to 10%. The new blade design applies the cutting force over a larger surface area to quickly defeat UHSS such as Boron and Martensite.



The new blade design can be retrofitted to existing cutters (depending on model) to increase cutter performance without having to invest in a new cutter. Contact us to see if your current TNT cutter can be fitted with the new blade design.

First Out Rescue Equipment has been a leading supplier of rescue tools and emergency equipment for over 20 years with some of the most trusted names in the industry.



## MAKING THE CUT!

The B-Post below is from a 2008 Dodge Mini-Van that was used at a recent training. The first cut was attempted with a 15 year old TNT C-20 Cutter (120,000 lbs. cutting force); a second cut was attempted with a 7 year old TNT SLC-28 Cutter (156,000 lbs. cutting force). Both cuts were unsuccessful and the cutter just STOPPED when it contacted the Ultra-High Strength Steel (UHSS) reinforcing tube. This tube runs from the roof line all the way through the B-Post to the rocker rail and provides side impact protection and roof strength in the event of a vehicle roll-over.

The final cut was made using a new TNT SLC-29 Cutter (282,500 lbs. cutting force). This cut was successful and the training evolution was able to continue.

UHSS is not new to the auto industry and it's not a question of if you will encounter it during extrication, but WHEN! We conduct hundreds of product demonstrations and trainings each year and it has been our experience that rescue cutters need a minimum of 220,000 lbs. of cutting force to stand a chance against UHSS. In some case you may need more cutting force depending on the material thickness and location of the UHSS.



**UHSS Reinforcing Tube. 280,000 lbs. of force to Make The Cut.**

**Don't wait until lives are on the line, take a close look at your hydraulic rescue cutters to see if they can 'Make the Cut'!**

## Battery Powered Rescue Tools Are Heavy!

With traditional 'hose style' rescue tools the operator only had to deal with the weight of the tool and the hydraulic hose trailing behind them. The hydraulic pump was either a portable unit or apparatus mounted. With traditional hydraulic hoses and hydraulic pump (power unit) you are limited to your range of motion and access to the victims depending on how close the apparatus can be positioned, how close the power unit can be placed and the length of the hydraulic hoses.



The advantage of battery powered rescue tools is the ability to come off the apparatus, turn the tool on and go to work without the restrictions of limited scene access, hydraulic hose length and power-unit positioning. The trade-off for this freedom of mobility is that battery powered rescue tools are heavier and larger. The additional size & weight of battery powered rescue tools comes from having to carry the tool itself along with the hydraulic pump, hydraulic fluid and the power source (battery) all in one package.



***The weight of the tools may have gone up but tool deployment time has gone down! Not to mention the added freedom of movement and ease of operator use.***

***You can handle a few more pounds....  
Can't You?***







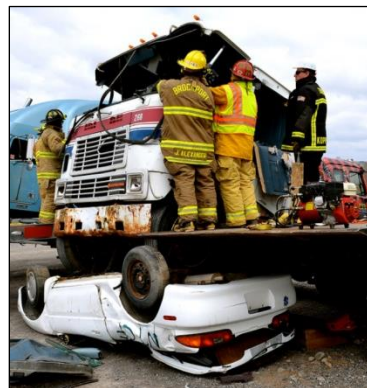
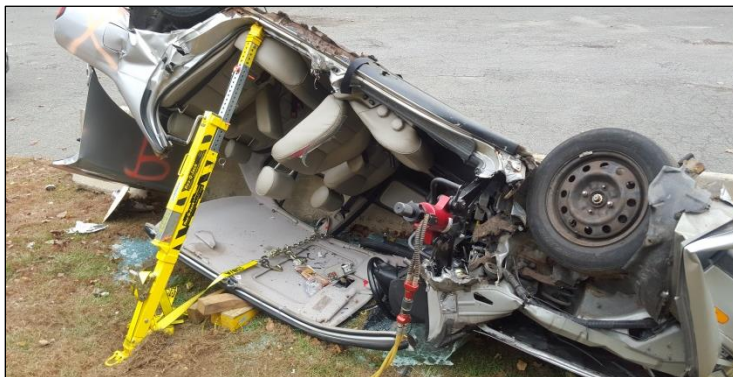
# FIRST OUT RESCUE EXTRICATION COLLEGE

SAVING LIVES THROUGH TRAINING, EDUCATION & INNOVATION

**First Out Rescue is a Recognized Leader in Auto  
Extrication and Rescue Training.**

**Some of the MANY topics covered in our  
Extrication College Training Programs Include:**

- High Strength Steel & Vehicle Construction
- Alternative Fuel Vehicle Hazards
- Scene Safety/Size-up & Hazard Recognition
- Hydraulic Rescue Tool Techniques
- Stabilization: Struts, Cribbing & Rigging
- Air Lifting Bags - High & Low Pressure



- Real World Practical Scenarios
- Programs Tailored to Your Agency Needs
- Evenings, Half Day, Full & Multi-Day Programs
- Follows NFPA 1670 & 1006 Tech. Rescue Stds.
- Additional equipment supplied for classes

**Contact Us For More Information and to Reserve  
Your Preferred Training Dates.  
Act Soon.... Training Dates Are Filling Quickly.**



## Rescue Tool Battery Life:

How long will the battery last? That question is almost impossible to answer, but we have found through experience there are two main factors that affect rescue tool battery life, so let's look a little closer....

### 1. Material: What is the material you are trying to cut, spread or push?

You guessed it; the tougher the material the more battery power is needed to accomplish the task because the tool is working harder and running longer.

**2. Operator Skill:** From our experience this is the number one 'battery killer'. Every time the tool is 'running', battery power is being used. An experienced operator that understands vehicle construction, tool position & tool reaction will use far less battery power than an inexperienced operator that has to re-position

Extra batteries will extend operational time but remember...

It is about the victims that need our help and how quickly, safely and efficiently we can perform the extrication. No amount of extra batteries will ever replace the knowledge and abilities of a skilled tool operator. Get out there and TRAIN!



## FOREVER WARRANTY

The TNT Rescue FOREVER WARRANTY is pretty simple...

Any product manufactured by TNT Rescue Systems is covered for the life of the tool, no if's, and's or but's! TNT will either repair it or replace it at no cost to you. The warranty does not cover intentional abuse or unauthorized alterations.



## FUNDING FACT!

If your current rescue tools are more than 15 years old they are eligible for grant funding through the Federal Emergency Management Agency (FEMA) Assistance to Firefighters Grant (AFG).

Upgrading extrication tools that are beyond their useful lifespan (8-14 years) is rated as a high priority when applying for AFG funding.

Visit [www.fema.gov/assistance-firefighters-grant](http://www.fema.gov/assistance-firefighters-grant)



# FEMA

## PRODUCT SPOTLIGHTS

### MatJack Dual Quick Lift Kit

- 10,000 lbs. of lifting force
- Up to 24" of lift height
- Super fast and easy set-up
- Dual controller for precise control
- Can operate from SCBA cylinder air supply



### Turtle Plastics Quick Response Chock Kit

Everything you need for initial stabilization in one convenient kit. Turtle Plastics cribbing will not crack, split or absorb fluids like traditional wood cribbing.

- (2) Std. Step Chock (24.75" l x 3.75" w x 10.75" H)
- (2) 3" Wedge (3" W x 8.5" Long)
- (1) 1" Lock Block (1" x 9" square)
- (1) 2" Lock Block (2" x 9" square)
- (1) Double wheel chock (Yellow)
- (1) Carrying bag (25" x 15" x 6")



Use coupon code NEWSLETTER10 for 10% off a product(s) in the Extrication & Tech Rescue category at [www.firstoutrescue.com](http://www.firstoutrescue.com) On-Line Purchases Only. Exp. 10/24/18