Extrication Techniques
Extrication Objectives

Describe and Demonstrate the Following Basic Techniques:

- Making Purchase Points
- Door Removal
- Roof Removal
- Dash Displacement
Techniques

Three Basic Components of Extrication

- Doors
- Roof
- Dash
Latch Side Entry
Techniques - *Latch Side*

Purchase point using a Haligan bar
Techniques - *Latch Side*

Purchase point using a spreader
Techniques - *Latch Side*

Spread near latching mechanism
Techniques - *Latch Side*

Move spreader deeper into the door

Correct Method
Techniques - *Latch Side*

Attempt to maintain integrity of the door

Incorrect Method
Techniques - *Latch Side*

Continue to spread until door is opened
Techniques - *Latch Side*

Cut door hinges to remove the door
Hinge Side Entry
Techniques – *Hinge Side*

*Use the spreader to crush the fender*
Techniques – *Hinge Side*

*Insert spreader near top hinge*
Techniques – *Hinge Side*

Insert spreader above the bottom hinge
Techniques – *Hinge Side*

If you can, cut the hinge
Vertical Crush Method
Techniques – *Vertical Crush*

Put the spreader in the window
Techniques – *Vertical Crush*

Open the spreader till latch rolls off the nader bolt
Roof Removal
Techniques – *Roof Removal*

Cut A posts at dashboard level
Techniques – *Roof Removal*

Cut B posts at Roof level
Techniques – *Roof Removal*

Cut C posts at roof level
Techniques – *Roof Removal*

*Using a Sawz-All®*
Techniques — Roof Removal
Cut high on hatchbacks to avoid the pistons
Roof Flap
Techniques – *Roof Flap*

Cut posts near roofline
Techniques – *Roof Flap*

Make relief cuts on the A and C posts
Techniques – *Roof Flap*

*Flap the roof down*
Extrication Objectives

- Describe and properly demonstrate the following techniques:
  - Dashboard roll
  - Dashboard lift
  - Third door conversion
Dashboard Roll
Advanced Techniques – Dash Roll

Make relief cut in “A” post
Advanced Techniques – *Dash Roll*

Make cut in upper fender rail
Advanced Techniques – *Dash Roll*

Extend ram using rocker panel brace
Advanced Techniques – *Dash Roll*

Ram using a spreader as a push point
Advanced Techniques – Dash Roll

Use wedge to brace dashboard
Dashboard Lift
Techniques – *Dash Lift*

Cut the quarter panel at the bottom
Techniques – *Dash Lift*

*Cut through the front support*
Techniques – *Dash Lift*

Make horizontal relief cuts between the hinges
Techniques – *Dash Lift*

**Clamp down on the tab and bend outwards**
Techniques – *Dash Lift*

Insert the Spreaders perpendicular to the car
Techniques – *Dash Lift*

**Open the Spreaders as much as needed**
Techniques – *Third Door*

Make cut rearward at seat level
Techniques – *Third Door*

Make vertical cut to wheel well
Techniques – Third Door

Clamp spreader down on the assembly
Techniques – *Third Door*

Pull spreader downwards
Techniques – *Side Removal*

Pop or open the rear door
Techniques – *Side Removal*

Cut the top of the B-post
Techniques – *Side Removal*

Cut the bottom of the B-post parallel to the rocker panel
Techniques – *Side Removal*

Put the spreader tips on the rocker panel and the bottom door or door hinge and spread parallel to the ground.
Techniques – *Side Removal*

Spread until the B-post separates from the rocker panel.
Techniques – *Side Removal*

Swing open the entire side of the car
Techniques – *Side Removal*

Cut or spread the door hinges to remove the entire side.
Techniques – *Vehicle under a Tractor Trailer/Large Vehicle*
Techniques – *Vehicle under a Tractor Trailer/Large Vehicle*

Make it easy… Removed the entire car from under the trailer

Lift the trailer off the car, you only need a few inches of lift to free the car.
Techniques – *Vehicle under a Tractor Trailer/Large Vehicle*

Make it easy.....Removed the entire car from under the trailer

After lifting enough, either roll the car out from under the trailer or use a winch or come-a-long
Techniques – *Vehicle under a Tractor Trailer/Large Vehicle*

**Make it easy.....Removed the entire car from under the trailer**

Know your resources, with a rig like this it stabilizes and lifts all in one quick step
Techniques – *Vehicle under a Tractor Trailer/Large Vehicle*

Different vehicle but same concept, lift the Bus and remove the car. Remember to crib as you lift.
Techniques – *Vehicle under a Tractor Trailer/Large Vehicle*

Again know your resources….. 
with this rig you can put the buss on the other side of the road quickly.
Techniques – *Vehicle under a Tractor Trailer/Large Vehicle*
What would you do?