



“Real World” Design for “Real Time” Application

Quick Reference Guide for Setup and Use of the

Autobrace2 Vehicle Stabilization System

Size Up:

It is imperative that a proper size up of the area and the vehicle(s) are performed prior to placing the Autobrace2 stabilization system into operation.

YOUR SAFETY COMES FIRST

During your walk to the vehicle remember to check for the following:

1. Downed Power Lines.
2. Leaking Fluids - gasoline, oil, antifreeze, battery fluids.

Once you reach the vehicle:

1. Determine the surface you will be working on, different surfaces such as mud, gravel, snow and ice may require different tactics for stabilization. Autobrace2 gives you the option of using straps or pins to anchor the base of the stabilization system.

Vehicle on its Side

Most vehicles that are found on their side are ***not*** likely to roll over onto their wheels again. The tendency is for the vehicle to want to roll over onto its roof. With this in mind the initial stabilization should be placed to avoid this from happening.

Autobrace2 Set up

Vehicle on its Side

1. Determine the point on the car you want to use for stabilization. There are many options you can choose for this on most cars.
2. Some of the more common points of stabilization are:
 - a. The point where the A or C post meets the roof.
 - b. The point where the hood meets the fender.
 - c. The point where the trunk lid meets the fender.
 - d. There are many suitable places on the under side of the car.
3. These are just a few, your point of stabilization will be determined by how the car is positioned and more importantly, the path that the medical personnel will need to take to extricate the patient.
4. Once the stabilization point is determined, you can begin to place the autobrace2 into position.
5. Place the Autobrace2 components near the points of the vehicle where stabilization will be performed.
6. Adjust the extension units as needed to achieve a 45 to 60 degree angle when the brace is in place.
7. Place the anchor cap on top of the extension and proceed to the vehicle. The V-block anchor or the Claw point anchor will most likely give you the best fit on most cars.
8. Adjust the strut to length by removing the pin and adjusting the first extension tube and replacing the pin when the desired length is achieved.
9. Place the top of the first strut on the car at the point that will give you the best stabilization. (The A-post or the Hood / Fender area.)

10. Pull the anchor straps from the stabilization base and attach it to a point on the vehicle suitable for anchoring.
(Bottom A-post or the framework on the underside of the car.)
11. Tighten the ratchet strap till the brace is snug in the position you have chosen.

OPTION

If you have the need to make fine adjustments you can place the supplied Screw Cap on the brace. You now have the capability to make any final adjustments by moving the screw out on the main stabilization unit.

12. Proceed to a point on the vehicle directly opposite of the point you placed the first strut and repeat the process.
13. Repeat these steps until you have achieved the necessary stabilization on the vehicle.

Vehicle on its Roof

When you find a vehicle that has come to rest on its roof, there are three likely scenarios you will face:

1. The vehicle balanced on its roof.
2. The vehicle on its roof with the front of the vehicle resting on the ground.
3. The vehicle on its roof with the back of the vehicle resting on the ground.

Whatever situation you encounter the vehicle must be stabilized to keep it from moving forward or backward while the patient is being extricated.

There are several different methods to stabilize a vehicle on its roof. These methods are based on the tactics and strategies you choose to remove the patient from the vehicle.

The primary goal is to stabilize the vehicle and keep it from moving while you get the patient out of the vehicle.

You can lift and crib with the Autobrace2 which will allow you to lift the vehicle, crib it and remove the roof of the vehicle while still upside down.

The most likely scenario you will face with a standard 2 door or 4 door vehicle is the car that is on its roof with the front of the vehicle resting on the ground. This often occurs because the engine compartment is heavier than the rear of the vehicle.

1. With the vehicle that is on its roof and the front of the car on the ground, you must provide stabilization to the rear of the vehicle.
2. You are afforded several options at this point.
3. You can choose to stabilize the vehicle in place and remove the victims or lift the vehicle and use your spreaders or cutters to free the victims.
4. The anchor cap of choice to lift the vehicle may be the claw top and chains, the claw point or the flat point anchor, either will give you an adequate purchase point.
5. Adjust the extensions on the unit as needed and place the best anchor cap for the situation on the extension.
6. Place the assembled unit on the vehicle, repeat this process for the opposite side of the car.

**If you choose to use chain, at this point you will feed it through the car via the back windows then attach it to the anchor top.
7. Pull the ratchet straps so they extend to each other and place them on the holes on the base plate.
8. Tighten the ratchet straps to give you the desired stabilization.