

Installation instructions for Davesport Samurai cages

Please read through instructions entirely before installation!

Front add-on installation

- Remove sun visors.
- Fit driver's side hoop leg behind (really 'in front' of) the side window defrost vent.



- Remove the passenger side window defrost vent.



- Push passenger side of front hoop into position.

Front add-on general installation guidelines

- Position top of hoop so that it touches the rearview mirror stem.



- If necessary, spread or squeeze hoop legs at base so they rest against sill wall of body using screw jack, ratchet strap, Hi-lift, etc.
- Place one mount plate under the bottom of each leg on the floor, centering the leg base on it. Note how bent up tab on mount plate indexes between raised ridges on inner rocker panel.



- Weld these to the hoop legs once you are happy with their position.
- Position the top connector bars with the forward marked pre-notched end against the middle of the bend at the top of the front hoop. Note that these bars are notched to fit perfectly with no gap when placed in the correct position.
- If you do need to shorten the connector bars, do it from the rear-most end of the tube. This can be easily done with a hand grinder, a bench grinder, a hacksaw, whatever.
- Have all connections fully welded by a competent welder.

- Drill 3/8" hole through the floor to match the holes in the base mounting plates, then position the extra mounting (doubler) plates under the floor. (note that you may drill the holes prior to welding if you wish).



- Install bolts from the top through both plates and tighten them.
- Weld the Joes gusset at the inside front corner where the top connector bars meet the front hoop.

Main Davecage with supports instructions Soft Top Samurai installation

- Bolt the main hoop base mount plates into place using the existing hardware from your original main hoop. Bolt the targa bar mount plates in place with the bolts centered in the oversize holes but do not tighten all the way. Miter the bottom of the main hoop legs to match the angle of the mount plates (usually around 30°) and set the main hoop into place, centering the hoop and aligning it with the mount plates, moving the targa bar plates if needed. There should be a gap between the top of the hoop and the back of the targa bar of around 3/8" when the hoop is placed properly. Tack weld the plates onto the hoop.
- Remove the shoulder belt tab from the stock main hoop and weld it to the new main hoop such that the shoulder belt link/brace will still attach to the targa bar.
- Remove the fuel filler neck cover plate and place the funky shaped mount base plate (marked **RightRear**) behind the fuel filler hose on the back of the tub. Miter the rear third or so of the bottom of the braces to around 45° to match the plates, and place the right main hoop diagonal support bar into place with the body mount plate right behind the fuel filler neck. When the bar is properly placed, it will be resting against the bump on the inside vertical bed (note that the cover plate may be reinstalled after cutting a small semi-circular notch out of the top). Tack weld the bar to the plate.
- Place the left rear mounting plate cutout against the body relief in the right rear corner and place the left diagonal support into position against the main hoop and the left rear mount plate. The bar will be the same distance from the top bed side as the bar on the right side is from its bed rail--approximately 3/4". Tack weld the bar to the plate.
- Make certain the top of the support bars are placed symmetrically from side to side on the main hoop and weld them into place.
- Mark and drill 3/8" holes in the body for the rear mounting plates. You may either drill through the plates, or unbolt the main hoop and remove the cage for ease of drilling these holes. Bolt the cage back in.

LWB notes

- The LWB main hoop may need trimmed at the bottom. Place the mount plates in position lining them up with the curvature of the bed. Drill 4 mount bolt holes in plate and secure to bed. Bolt the targa bar brackets to the targa bar mount area making sure to center the bolts in the holes so there's room for adjustment. Place the main hoop in position on the bottom mount plates and up against the targa plates and tack weld in position. Make certain the front/main hoop connector bars and rear supports or connector bars fit properly before final welding.

Rear add-on instructions

Full Height and add-on

- Remove the fuel filler neck cover plate and place the right main hoop diagonal support bar into place with the body mount plate right behind the fuel filler neck. When the bar is properly placed, it will be resting against the bump on the inside vertical bed (note that the cover plate may be reinstalled after cutting a small semi-circular notch out of the top).
- Miter the rear third or so of the bottom of the hoop legs to around 45° to match the plates and place the hoop into place on top of the mounting plates. The left side of the bar will be the same distance from the top bed side as the bar on the right side is from its bed rail--approximately 3/4" (use a ratchet strap if legs need to be drawn together to fit).
- Make certain the top of the support bars are placed symmetrically from side to side on the main hoop, meet with the main hoop in the upper corners/bends, and weld them into place. Note that these top bars are notched 6" at one end and rotated 10°. This is to account for differences in vehicles - the 6" end goes to the rear hoop. Try both connectors on one side to see which fits better in your installation, then use the other on the opposite side.
- Mark and drill 3/8" holes in the body for the rear mounting plates. You may either drill through the plates, or unbolt the main hoop and remove the cage for ease of drilling these holes.
- If installing a kit with diagonal braces pay attention to the labeling. They will fit perfectly if placed where intended.
- Bolt the cage back in.

Hard top Samurai installation

- Pull up carpeting in rear of vehicle and locate dimples in the rear fender-wells.
- Drill these dimples out with a 3/8" drill bit. This is where the main hoop mount plates will bolt on.
- Bolt the top main hoop mount plates through the fender-well and through the supplied back-up plates on the underside of the fender-well, but leave the bolts loose. Note that you may need to bend the plates to match the curvature of the fender well.
- Work the main hoop into position from the rear of the vehicle (you may need to remove the inner window guards to do this. It is much easier to weld the bars into place if you also remove the rear side windows).
- Center the base of the main hoop on the mount plates (you may need to ratchet strap squeeze or spread the base of the hoop) and place a small tack weld on each tube on the inside, or nearest to the centerline of the vehicle, aspect of the tube/mount plate. This will allow a small amount of 'adjustment' fore and aft during the next phase of the installation.
- Remove the fuel filler neck cover plate and place the right main hoop diagonal support bar into place with the body mount plate right behind the fuel filler neck.
- Place the left support into place with the mounting plate cutout against the body relief in the right rear corner, ensuring the bar is the same distance from the side panel (or bed rail) as the bar on the right.
- Make certain the top of the support bars are placed symmetrically from side to side on the main hoop and weld them into place.
- Mark and drill 3/8" holes in the body for the rear mounting plates.
- Bolt the rear supports down.
- Finish welding any tacked connections.
- Now follow the instructions above for the installation of the front hoop (note that you may need to remove the steering wheel to get the front hoop in to position).

General installation tips and tricks

- Remove as much of the interior as possible. This limits the amount of damage and fires that will result from welding. **DON'T FORGET TO WATCH THE UNDERSIDE OF THE VEHICLE FOR FIRES TOO!**
- Use a clean piece of thin aluminum sheet in between headliner and area being welded for protection.
- Keep a water bottle and fire extinguisher handy to quickly extinguish spot fires in undercoating or whatever.
- **Designed for installation by experienced professionals.**

If you have any questions you may reach me by email at service@davesport.com

Disclaimer: This product is not intended to prevent injury, death, or property damage in the event of an accident or crash. It is sold as an appearance item only. Provide appropriate padding over the cage in areas that you or your passengers may come into contact with, especially in areas near where your head is!

Davesport LLC
North Bend, WA 98045
ph. 425-888-4444
email sales@davesport.com
Copyright © 2000, 2001 Davesport, LLC