



## Operating Instructions

**Operators of the RAMPBOSS display system must first read, fully comprehend and comply with all instructions. At least 2 people are required to properly operate this device. One licensed driver, and another as a reliable visual spotter. Both will be required to physically assemble and manipulate the display.**

- \* The RAMPBOSS display system is designed for use on hard level surfaces; NO INCLINES. Take precautions to protect floors for inside use.
  - \* Do not attempt to mount vehicles in icy, frosty, or wet conditions. Do not reverse up the display. Be certain any vehicle has a properly working emergency brake.
  - \* Operators must adhere to all set up, mounting, and dismounting procedures.
1. In a designated display area, place all components in an orderly fashion with right-hand/left-hand sides situated with diamond plating facing out, and the top ramp beams with the tire stops to the front.
  2. Measure the tire track width of the vehicle you wish to mount to the outermost sides (tire bulge) of the rear tires, and then add at least two inches as a margin of error for any slight vehicle misalignment during mounting. In accordance with that measurement, start assembling components loosely within the designated area. Insert the square cross member beam through both base assemblies, and do not tighten yet.
    - The display provides for accomplishing a right or left lean, or a level high/low setting by inserting the pivot/hinge pins through top or bottom holes of the base assembly and top ramps. Although the pivot pins don't move, remember to insert the snap ring keys to be certain the hinge pins are completely through. Push the right or left side of the assemblies apart, or together, to achieve your desired track width. Double check measurements between the tire pad sidewall guides at front and rear after every adjustment, and just before mounting a vehicle.
    - **NOTICE:** *FRONT AND BACK TIRE TREAD WIDTH'S MUST NOT EXCEED A 2.5 INCH DIFFERENTIAL.*
  3. Attach the turnbuckles to both base units and tighten the nuts and bolts. Teeter the ramp beams forward to connect the top end "jaws" of the turnbuckles to the holes on the underside of the top ramp beams. Use the rear holes for high ramp settings, the front holes for lowest ramp settings. Be sure the same number of threads appear at both ends and connect the turnbuckles finger tight. Kick the cross member beam through the base assemblies so an equal amount appears on both sides of the display. Double check the track width measurements at front and back and make any last "fine tune" adjustments. Tighten the four bolts down to secure the base assemblies to the cross member beam.

4. Wind turnbuckles apart until tension is put on the back of the ramps to the ground, or upon the starter ramps. When using the aluminum starter ramps, connect them together using one nut and bolt (only finger tight) just so they don't scoot. At this point you have a stable platform. Test its stability by pulling down on the front tire stops to assure platforms will not move. It is now safe to mount a vehicle.
5. During the mounting process, one person must remain in clear view of the driver to assist with announcing wheel alignment and distance to the tire stops.
6. Before mounting the display, make certain the rear wheels are in exact alignment with the front tires before the vehicle climbs the ramps. With guidance from the "spotter", proceed slowly until tire contact is made with the tire safety stops. *Notice: If the vehicle is not perfectly straight, the tire pad guides will contact the tire sidewalls. The tire pad guides are bent outward slightly to prevent sidewall damage.*
7. Put the vehicle in park and apply the parking brake. Carefully exit and lock the vehicle.
8. **Tilting the display To Level.** With a vehicle resting on the ramp, and one person on both sides of the display, insert the straight twist bars through the holes located in the center barrel of the turnbuckles. Simultaneously twist them until the back of the ramps lift off the ground, or off starter ramps before disconnecting them. Continue closing the turnbuckles until the top ramps achieves a level plane.
9. **Full Forward Tilts From Level Plane.** Full forward tilts require that both beams are level before one turnbuckle is detached, screwed apart evenly, then reattached to the forward "jaw" eyelet of the top ramp beam. After the first turnbuckle is reattached, twist the turnbuckles so that tension is taken off the opposite next one prior to moving it forward in the same manner. When both turnbuckles are again attached to the forward eyelets, continue lowering the front to your satisfaction. Conversely, when tilting the vehicle back from a forward tilt, use the same process in reverse making sure that the vehicle is close to level before moving the turnbuckles from the front to the rear eyelets.
10. Once you are 4 to 6 inches from achieving your desired tilt position, attach the rear chains links to the base hooks. Continue to wind the turnbuckles down until the chain is rigid and the weight of the vehicle is shared between the chains and turnbuckles. Once the turnbuckle nuts and bolts tightened, the display is securely and tamper-resistant.
11. For dismounting a vehicle, reverse these processes.

**NOTE:** Periodic greasing and inspection of the turnbuckles can help prevent incident. Keep the turnbuckle twist bars in a secure place. If the bars should become lost, a pair of long Philips head screwdriver can suffice. RAMPBOSS-USA or any other agent will not be held responsible for injuries or damages caused by improper use, abuse, or failure to fully comply with these instructions. If you are uncomfortable with your display for any reason, please contact us 24/7 at 248.755.6814.

Keep a copy of these instructions with each display.

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