



Designers and Manufacturers of Mobile Health Clinics

ADI Technical Bulletin #8

Leveling & Stabilization Using Hydraulic Jack Systems On Excessive Slope (>2% Grade)

Recommended procedure:

1. Back the vehicle into the parking space with the down slope to the front of the vehicle.
2. Place the (4) wheel chocks on the rear wheels, front and rear of the outboard wheels, two (2) on each side.
3. Place four (4) jack blocks under the front jacks, and two (2) jack blocks under the rear jacks.
4. Manually hyper extend (beyond level) the front jacks to lift the front wheels.
5. Place two (2) additional jack blocks under the front wheels.
6. Lower the front jacks to level the vehicle. **NOTE:** The weight should be supported by the wheels.
7. Jacks are only extended to stabilize and level the vehicle.
8. If the vehicle is not level, or the wheels are not supported, repeat steps #1-5, adding more blocks.
9. If necessary, add a folding step at the entry door.

FYI: current “Best Practices” for hydraulic leveling / stabilizing jack systems **under all conditions:**
Use a minimum of two (2) non-gripping blocks under each jack point. This allows the vehicle to be “driven off” the jacks in case of hydraulic system failure (or freeze up), and allows “Limp Home” mode of travel to a repair facility.