



Designers and Manufacturers of Mobile Health Clinics

ADI Mobile Clinic Start-Up Check List

1. Parking the Mobile Clinic - BEFORE parking at clinic site:

- Consider vehicle access: turning radius, curbs, height, trees, overhangs, etc.
- Client access and safety: good sightlines, no trip hazards, etc?
- Wheelchair access: easy?
- Slope of site: can the jacks level it?
- Shore power location: can you reach it without crossing a traffic path?
- Awning clearance: can the awning extend without interference?
- Vehicle departure path: steep gutter, tight turns, heavy cross traffic?

2. Level & Stabilize the Mobile Clinic – AFTER parking at the clinic site:

- Set the parking brake.
- Place (2+) jack blocks under each jack. Consider the slope of the site and add more as needed. Use a maximum of 4 blocks.
- Deploy the leveling jacks with the ignition key /switch in accessory position.
- Find the “ON/AUTO” button on the upper left corner of the Jack touch control panel located to the left of the driver’s seat on the dash board. Press and hold the “ON/AUTO” button for about 2 seconds, or until you hear the hydraulics start up, and then release. The jacks will deploy automatically (takes about 2 minutes).
- Check for “excess slope” indicator lights, and correct with additional blocks as needed. Avoid lifting the wheels off of the ground. (See ADI Technical Bulletin #8 HWH Leveling Jack Excessive Slope Procedure).
- If raining: tap the manual controls to drain the roof away from the entrance door (“Up Arrow” is Vehicle Up, etc).
- Turn off and remove the ignition key.

3. Safety Zone around the Mobile Clinic

- Unlock the entry door (be sure to disarm the vehicle alarm first if equipped).
- Turn on the “convenience” light (the switch is normally located near the interior handrail).
- Verify that the “Chassis Battery” and “Coach Battery” lights are both “ON” (green). Press each relay switch once to turn them “ON” if necessary (on Electrical Panel wall).
- Set out all of the safety cones.
- Lock-out the auto steps at the “Step” switch and brace them with the Step Jack (if equipped).
- Swing-out and secure the handrail.

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4. Powering-up 12 VDC electrical system

- Switch on the “Main” (50 Amp) 12 VDC circuit breaker, then turn on:
 - “Lights”
 - “Refrigerators”
 - “AC thermostats”
 - “Vents”
 - “Furnace”
 - “Water Pump / Monitor Panel”
 - “Cellular Modem”
 - “Awning”
 - “Exterior lights” (as required)
- Extend the awning (visually check the clearance & entry door as awning extends). Set the wind auto retract level for the current wind conditions. Manually adjust to drain to the side.
- Briefly check the battery condition with the rotary selector: #1 (vehicle), #2 (Coach or Auxiliary), #3 (Generator set). Nominal condition is between 12.6 to 13 volts.
- With the “Water pump/ Monitor Panel” circuit breaker on, **check the Monitor Panel:** water level, holding tank level, LPG (Propane gas) level & battery condition. **The monitor panel should be checked for status in the morning, prior to departure to the clinic site and at the end of day.**

5. Powering-up 120/240 VAC electrical system: Shore-Power

- Turn off ALL of the 120/240 VAC circuit breakers (including the main master circuit breaker) and plug in the shore power cord.
- Always confirm proper 120/240 VAC, 50+50 amp shore power. At the shore-power receptacle, use a voltage meter and confirm that there is 120VAC power on both the right and left hand receptacle orifices. Confirm Neutral & Ground. (see ADI Technical Bulletin #1 Shore Power Supply for ADI Mobile Clinics)
- Plug into a 14-50-R outlet using the large, heavy shore-power cord.
- Make sure the plug is fully seated in the outlet.
- Protect the shore-power cord from vehicle traffic.
- Assure a “No trip hazard” layout of the cord.
- Cover the cord with “cord ramps” if in a foot traffic zone.

6. Powering-up 120/240 VAC electrical system: Generator

- Turn off ALL of the 120/240VAC circuit breakers (including the main circuit breaker).
- Confirm that the vehicle fuel tank (dashboard gauge) has more than ¼ of a tank. The generator will not operate below ¼ of a tank.
- Turn the generator master switch in the generator set compartment to “ON” or “Remote start”. (This will require the compartment key).
- Briefly operate the fan “Test” switches (Momentary switch: up Fan #1, down Fan #2).
- Confirm that the generator three pole AC breaker is “ON”
- Start the generator at the generator set or by using the remote start switch. For Diesels: Hold down the start switch for 30 seconds for warm-up and start.

7. Surge Guards & Auto Transfer switch

NOTE: ADI Mobile Clinics are equipped with a **surge guard** with a built-in 120 second delay on the 120/240 VAC circuit. This is to protect the vehicle. ADI Mobile Clinics are also equipped with an **auto transfer switch** (default: will select shore power when available), or with a “**Shore-Power or Generator (manual) Selector Switch**” in the 120/240VAC circuit breaker panel.

- Visually confirm on the small black Surge Guard panel 110 to 120 VAC voltages on each “leg”. This panel will also show the amperage (or load) as circuits and equipment are switched on. This load should be roughly (+/- 20%) equal or balanced.

8. Main 120/240 VAC Circuit Panel

- “**ON**” is towards the middle of the panel. “**OFF**” is away from the middle of the panel. Turn “**ON**” the circuit breakers in the following order, slowly (2 second delay between each), and one at a time:
 - “**Main**” circuit breaker (upper left, top)
 - “**Battery Charger / Inverter**”.
 - 120 VAC “**Lights**”.
 - “**TKH**” (Toe-kick heaters) and/or “**AC**”s. One at a time: each Air Conditioner (AC) has a starting load of 18 amps. The AC units should **not** start until the 12VDC Thermostats are turned on (see “Inside the Clinic” below).
 - Sensitive electronics: “**x-rays**”, “**sterilizers**”, “**computers**”, “**dental chairs**”, etc.
 - “**Air Compressor**”
 - “**Vacuum**”
 - “**Hot water heater**”: after verification that there is fresh water in tank, the water pump is on and air has been bled from the system (run hot water faucet a moment). **Caution:** Turning on the Hot Water Heater without water in the system can burn out the heater element.

9. Using the LPG (Propane) Furnace:

- Open the LPG (Propane) valve several turns (located on the passenger side, typically below the UVL or Cargo door), then check the gauge level (if applicable).
- Set the LPG Furnace Thermostat to 68°-70°F / 20°-21°C

10. Inside the Clinic

- Turn on the lights.
- Turn on the Air Conditioner thermostats in each zone (typically one per room) and set to 68°-70°F / 20°-21°C.
- If the clinic is run on the propane furnace overnight, switch from gas to electric heat.
- Turn on the Furnace thermostats, set to auto and set temperature to 68°-70°F / 20°-21°C.
- Check the tank levels on the tank monitor panel.
- If the generator is in use, after 5 minutes of warm up time, turn on the motor aid heat (if equipped). The switch is located below the generator remote start switch. Remember to turn off motor aid heat once the clinic is warm.
- Turn on the water pump by pressing the “**ON**” button on the tank monitor panel.

- Empty the holding tank when the tank is > 3/4 full.
- Add fresh water when the tank is down to 1/3 full.
- In the winter, fill the LPG (propane) gas when the tank is < 1/3 full.
- With the charger "**OFF**", check the batteries on the tank monitor panel and on the 12 VDC panel.
- Undo any tie-downs, bungee cords, latches, etc. on the x-ray units, patient chair/dental units, lights and headrests, doctor and assistant stools, mobile cabinet(s) and any other equipment. Store the bungee cords, etc. in the same drawer each time.
- Remove the x-ray control from its storage drawer and connect per the manufacturer's directions.
- Purge the water in the dental units. Place a fresh bottle of clean water on the unit(s), press and hold down the **PURGE** button until the water runs clear out of all the lines (including hand pieces and unit and assistants air/water syringes).