



MAINTAINING PORTABLE SANITATION EQUIPMENT IN THE FIELD

Equipment Repairs

PROBLEM	SOLUTION
Broken seat cover dispenser	Drill out old rivets and replace with new dispenser using rivet gun.
Broken hand sanitizer dispenser	Drill out old rivets and replace with new dispenser using rivet gun.
Broken toilet paper dispenser	Drill out old rivets, replace rivets using rivet gun
Broken toilet seat	Unscrew old toilet seat bolts and replace
Missing roof rivets	Replace snap rivets by holding rivet in place and pressing cap onto rivet with vise grips
Missing wall rivets or bolts	Replace push rivets as above or screw bolts into base (stainless steel ¼"X 1 ½" bolt)
Broken urinal	Replace rivets through urinal and reattach to wall
Missing vent screens	Replace vent screens
Broken door latch	Repair or replace broken or missing door latch
Broken door spring	Follow manufacturer's instructions for replacing in the field or replace the unit and return to the yard for repair
Broken urinal tube	Replace urinal tube
Decals	Peel off what is left of old decal. Dry the area, and then carefully replace it with a new sticker. Make sure that it is straight and has no air bubbles

Dealing with Graffiti and Other Malicious Damage

DAMAGE	SOLUTIONS
Graffiti, stains, oil, grease, pencil marks, other smudges, paint, marks a lot and just plain ink.	<ul style="list-style-type: none"> • Apply graffiti remover of choice to the area and wipe off with a rag. • If needed apply again and use a scrub pad until marks are gone. Then wipe off with a rag. • If marks are still there use a paint scraper and scrape the area until the marks are gone. Scrape all in one direction (usually up and down). Some locations may require different directions due to the ridges or flexibility of the area. • After scraping or scrub pad use, apply heat carefully with a propane torch. Be careful not to overheat, but heat the entire area scraped to help "seal" the area. • If you encounter an area that a scrub pad has been used and not heated (whitish color), heat the entire area scraped to help "seal" the area. It really improves the look of the unit and helps seal off the surface for future graffiti.
Scratches, gouges, scrapes	<ul style="list-style-type: none"> • Heat the area with a torch, and let it cool. • Scrape it with the paint scraper in the direction of the scratches until the marks are gone or the blemish is much diminished. • Heat the area with the torch to seal the area, let cool.
Deep scratches, cuts, tears	<ul style="list-style-type: none"> • Return to the yard for repair or replacement of major component parts.
Heavy tar	<ul style="list-style-type: none"> • Try cleaning with the above methods and your scrub brush. • If that won't remove the problem in 5 minutes or less, remove and replace the unit. Return the damaged unit to the yard for repair or replacement of parts.
Dispensers	<ul style="list-style-type: none"> • Clean as stated above if it takes less than 5 minutes. • If it takes over 5 minutes then replace the dispenser.

Know Your Rivets

RIVETS	BENEFITS	WHEN TO USE
Star	Splits into 3 arms and has a stronger holding ability.	Use on any application that is on a double wall unit (so that you cannot see it from the outside of the unit).
Standard	Smashes into a mushroom looking form. You should use an aluminum washer on the backside to increase holding strength.	Use on single wall units with a washer
Push	Requires 2 pieces, one is gold and appears similar to a bolt; the cap is typically black.	Use on single unit walls for added strength if conditions allow (i.e., if you can reach)

Suggested Tools for Minor Repairs

- Rivet gun
- 7/16" nut driver
- Allen wrenches (5/32", 5/16", 3/8")
- Hand drill (eggbeater style)
- Scraper (2 1/2" 4-edge)
- Propane torches and propane tank
- Tool box (22")
- Hack saw
- 3/16" drill bit
- Claw hammer
- 10" channel locks
- 8" channel locks
- 10" vise grips
- Set of screw drivers (3 standard, 2 Phillips)
- Open end wrenches (1/4" to 15/16")



Truck Supply Inventory Checklist

- 2 five gallon buckets
- 2 scrub brushes (one for tanks and one for hand wash stations)
- 2 wands (one for tanks and one for hand wash stations)
- 2 pair waterproof gloves (one for tanks and one for hand wash stations)
- 2 sponges
- 2 spray bottles (graffiti remover & urinal cleaner)
- 1 container of assorted rivets and bolts
- 2 large urinal hoses
- 2 small urinal hoses
- 1 toilet paper dispenser
- 5 toilet paper roll holders
- 2 toilet seats
- 10 vent screens (each type)
- 3 door springs
- 2 door locks
- 2 large locks
- 2 small locks
- 2 sets hasps
- 3 hinge pins
- 3 door hinges
- 2 seat cover dispensers
- 2 hand sanitizers
- 1 hand towel dispenser
- 15 decals for the interior of the unit (each type)
- 4 decals for the exterior wall (each type)
- 2 green scrub pads
- 3 dry rags