



Hand Washing Station Project

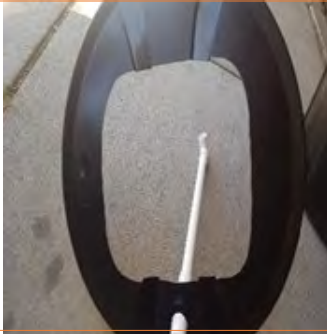
QTY	MATERIALS LIST
2	32 Gallon Trash Bin w/ Lid
1	12 qt. plastic wash bin
10'	½" vinyl tubing-clear
2	3/8" to 7/8" - " Stainless-Steel Hose Clamp
8'	¾" PVC pipe-(cut to various sizes)
4	½" bulkhead union washer fitting
3	½" x ¾" PVC Sch. 40 MPT x S Male Reducer Adapter
2	1/2" x 3/4" MNPT Male adapter
1	¾" slip joint in line check valve
3	¾" 90 degree PVC elbow (slip x slip)
1	2" ABS drain
1	2" ABS 90 degree elbow (Male to Female)
1	1/2" Spigot
1	Galley Foot Pump
	ADHESIVE MATERIAL
	Clear PVC Cement with primer
	Black ABS Cement
	Liquid Nails Fuze It
	Plumbing Tape (PTFE) and Electrical tape
	TOOLS
	Utility Knife
	Drill Driver with ¼", ¾" 1 1/4" hole saw
	Tape Measure
	PVC Cutter
	Caulking Gun
	Flathead/Screwdriver
	PPE ITEMS PROVIDED
	N95 Mask, Hand Sanitizer, Hand Sanitizing Wipe, Gloves, Eye Wear



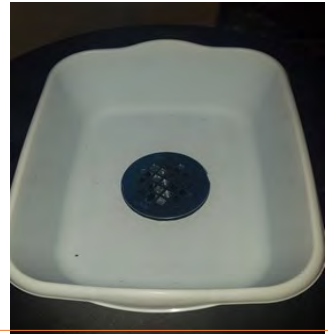
Hand Washing Station Assembly Instructions

DISH PAN ASSEMBLY: Dish Pan, 2" ABS Drain, 2" ABS Elbow, ABS Cement utility knife

1. With a marker, trace the outline of the bottom of dish pan. Cut the opening for in the center of trash bin lid with utility knife. This may take time in cutting & trimming to fit.



2. Cut a hole in the center of dish pan to match the size of the bulkhead fitting.



3. Attach bulkhead fitting to dishpan.



FAUCET ASSEMBLY: 3/4" PVC pipe (cut to various sizes), 3/4" 90° elbow (slip x slip), 3/4" x 1/2" male reducer adapter, 1/2" x 3/4" PVC Sch. 40 MPT x S Male Reducer Adapter, 1/2" bulkhead union washer fitting



1. Cut 3/4" PVC pipe into 2 lengths: 8" and 4" with PVC cutter. Connect the PVC pipe with 2 of the PVC elbows
2. Using the same lid with dish pan cut out, measure approximately 2" from the long edge of dish pan cut to find center for faucet hole with utility knife or drill.
3. Attach the 1/2" bulkhead union washer at hole cut out.
4. Connect the 2 PVC male reducers to the bulkhead union washer to both ends. Wrap PVC threads with plumbing tape and use clear PVC cement to secure.
5. Attach assembled faucet to bulkhead union assembly.
6. Secure all parts with clear PVC cement to at final assembly.



FAUCET ASSEMBLY (INTERIOR): 3/4" PVC pipe (cut to various sizes), 3/4" 90° elbow (slip x slip), 3/4" x 1/2" male reducer adapter, 1/2" x 3/4" PVC Sch. 40 MPT x S Male Reducer Adapter, 3/4" slip joint in line check valve



1. Cut the 3/4" PVC pipe to 13", 8-1/2", and 2".
2. Connect the 13" and 8-1/2" cut with the 3/4" PVC 90 degree elbow
3. Connect the 8-1/2" PVC pipe to the check valve, make sure arrow follows the flow of water passage.
4. Connect the 2" PVC pipe to the other end of the check valve.
5. Attach assembly to bulkhead union at bottom of the bin.



PUMP SPOUT: 1/2" bulkhead union washer fitting, 1/2" x 1/2" Threaded/Barbed Male adaptor.



1. With the internal pipes and fittings in place, identify where the hole should be drilled to attach the waterline from the outside.
2. Trace bulk head union for size of circle cut out (approx. 1" dia.). Cut with utility knife or drill.
3. Insert and secure bulk head union at hole cut out.
4. Insert 1/2" Male threaded/barbed adaptor into bulkhead.
5. Secure all threads with plumbers tape and use

INSTALLING DRAINING SPIGOT: 1/2" spigot, 1/2" bulkhead union washer fitting,



The spigot will be install on the same bin as the dishpan. This is to help drain the “dirty” water by attaching a garden hose.

1. Measure at least 3” from the bottom for center of diameter cut-out. (see picture). Use utility knife or drill bit to cut a 2” diameter for the bulkhead union attachment.
2. Insert bulkhead union as shown in picture. Secure tightly.
3. Connect spigot and Bulkhead Union. Use plumbers tape on threads to help prevent leaks.
4. Use silicone caulking to seal bulkhead union attachment

FOOT PUMP



1. Cut the tubing to the desired length (If you want to have a lot of flexibility with placement, use 3' for each side. If you plan to put the cans very close together 18" is plenty),
2. Slide the tubing completely over the valve stems on the pump and adaptors..
3. Screw the clamp over the tubing, close to the base of the valve/adaptor. Tighten the clamp until the tubing will not come off when pulled, but do not over tighten or the clamp/valve/tubing may be damaged.



** attach the tube from the clean water tank to the arrow in valve.



Congratulations!!

That completes your hand washing unit.!!!



Your contribution is helping Navajo and Hopi Families during this challenging time Red Feather express our gratitude in your time and effort for this cause.

As'kwali! Ah'he'hee!

