

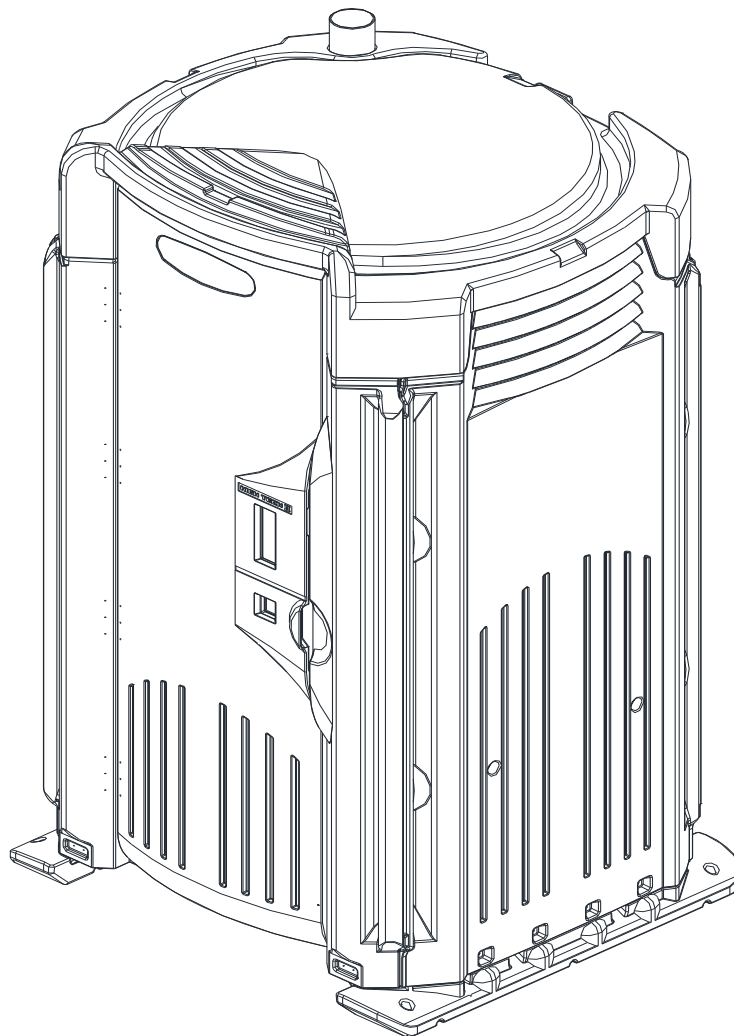
INSTRUCTIONS HIGH TECH II DELUXE FLUSH UNIT ASSEMBLY

The following instruction is a guideline, illustrating suggested methods, assembly sequence, and tool selection. Actual assembly may vary by each situation. Careful thought must be given to minimize total body movement.

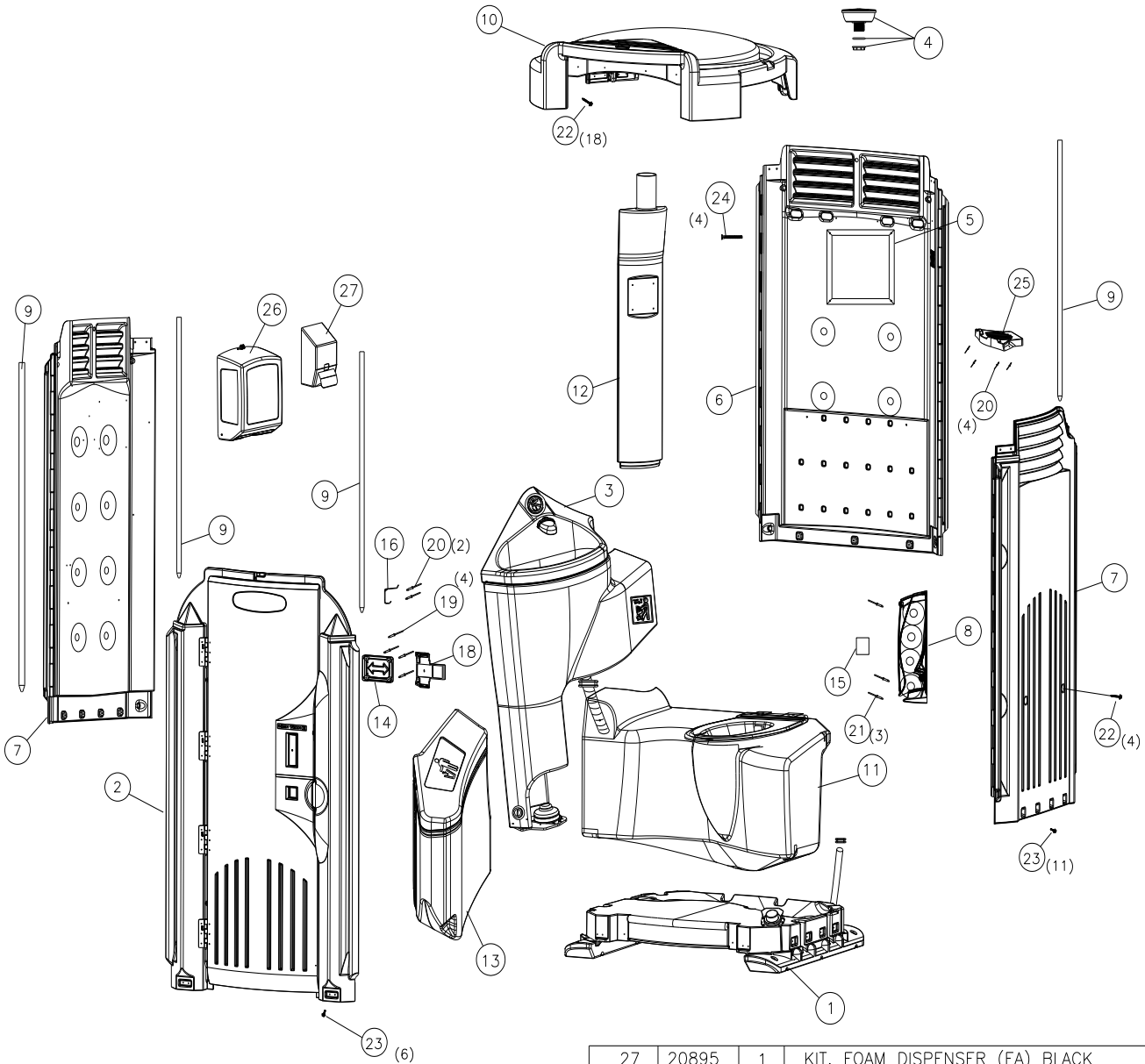
Tool Selection			
QTY	Description	QTY	Description
1	Flat blade screw driver	1	1-3/4" hole saw
1	#10 Drill Bit	1	Electric / Cordless Drill
1	Rivet Gun	1	# 2 Phillips Driver bit or #2 Phillips screw driver
1	Small tip marker	1	5/16" Hex nut driver
1	7/16" Drill Bit	1	7/16" Wrench
1	3/8" Hex Nut Driver Bit		

- Read all instructions carefully before starting assembly. All orientation and descriptions are facing the front of completed unit. Call your Satellite sales representative if you have any questions. 800-328-3332 USA only.
- Open kit bags and sort items into small piles. Ensure all unit components and fasteners are present before starting to assemble unit.
- To assure proper alignment, the front, walls and base must be assembled in said sequence.
- Assembly of other components may vary to suit the situation; however careful thought must be given to minimize total body movement.

UNIT ASSEMBLY DRAWING HIGH TECH II DELUXE FLUSH



UNIT PARTS LIST



HT2 UPGRADE TOILET

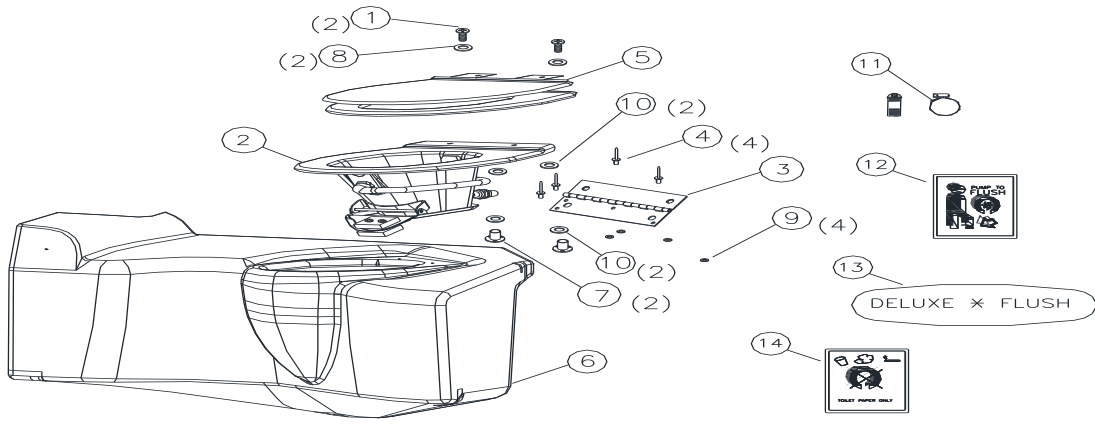
13	18958	1	WASTEBASKET, HT2 MTAN
12	18940	1	VENT PIPE, HT2
11	19384	1	TANK ASSY, HT2 MTAN UPGRADE
10	18938	1	ROOF, HT2 LTAN TINT
9	18681	4	ROD, FIBERGLASS 72"
8	18955	1	PAPERGUARD, 4 ROLL VERTICAL
7	18991	2	PANEL, HT2 SIDE MTAN
6	18992	1	PANEL, HT2 BACK MTAN
5	18974	1	MIRROR, 11 X 11 DOUBLE WALL
4	22090	1	SOLAR LIGHT, LUNARGLO
	18949	1	HDWE, HT2
3	18972	1	HANDWASH ASSY, HT2
2	18935	1	FRONT ASSY, HT2 MTAN
1	19385	1	BASE ASSY, HT2 DTAN UPGRADE

27	20895	1	KIT, FOAM DISPENSER (EA) BLACK
26	21339	1	KIT, DISP P/TOWEL COMBO BLACK

HDWE, HT2 (18949)

25	18957	1	SHELF, HT2 MTAN
24	17505	4	SCREW, #10-24 X 1-1/2 STNLS PH
23	19496	17	SCREW, 1/4-20 X 3/4 W/WSH HWHD
22	13860	22	SCREW, #14 X 1-1/2 W/WSH GOLD
21	17030	3	RIVET, AVDEL BLACK
20	17436	6	RIVET, AVDEL SILVER
19	18543	4	RIVET, 3/16 T
18	18942	1	LATCH, HT2 DTAN W/DECAL
17	19403	1	INSTRUCTION, HT2 UPGRADE/FLUSH (NOT SHOWN)
16	18944	1	HOOK, HT2 COAT STNLS
15	19308	1	DECAL, TP DISPENSER 4 ROLL
14	18943	1	COVER, HT2 LATCH MTAN

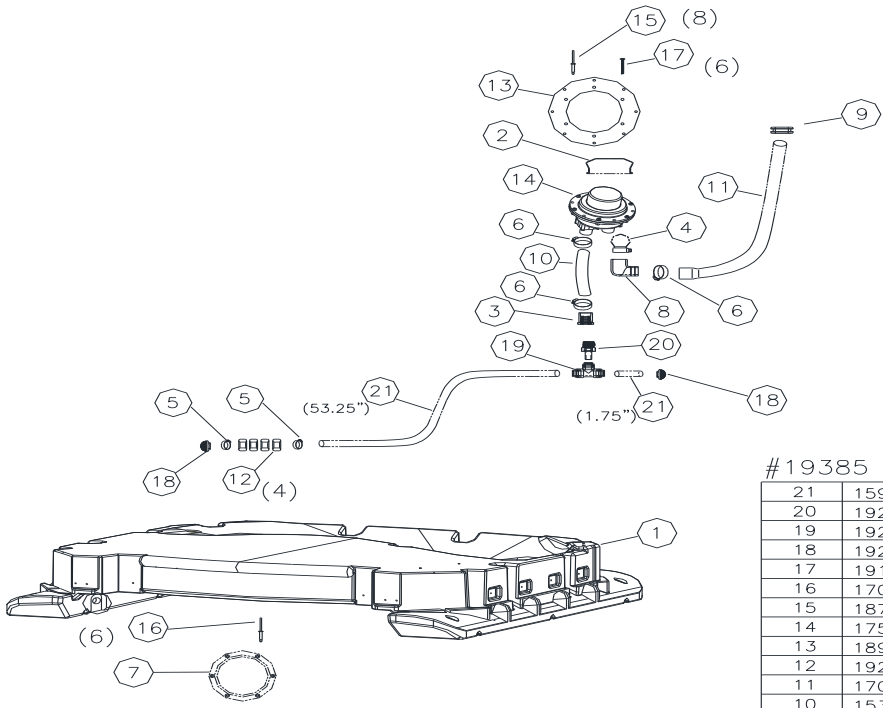
TANK DRAWING



19384 TANK ASSY, HT2 MTAN UPGRADE

14	19260	1	DECAL, TOILET PAPER ONLY
13	18971	1	DECAL, HT2 ICON
12	19259	1	DECAL, HT2 FLUSH INSTRUCTION
11	19386	1	CLAMP, WORMDRIVE #16
10	11368	4	WASHER, 5/16 FLAT STNLS
9	11315	4	WASHER, 3/16 RIVET STNLS
8	12382	2	WASHER, 1/4 FLAT STNLS
7	16884	2	T-NUT, 1/4-20 X 3/4 PLTD
6	18939	1	TANK, HT2 MTAN
5	18947	1	SEAT, ELONGATED MTAN
4	11270	4	RIVET, #68 STNLS
3	17169	1	HINGE, FLUSH BOWL
2	18973	1	BOWL ASSY, HT2 FLUSH
1	19381	2	BOLT, 1/4-20 X 1/2 PN HD STNLS

BASE DRAWING

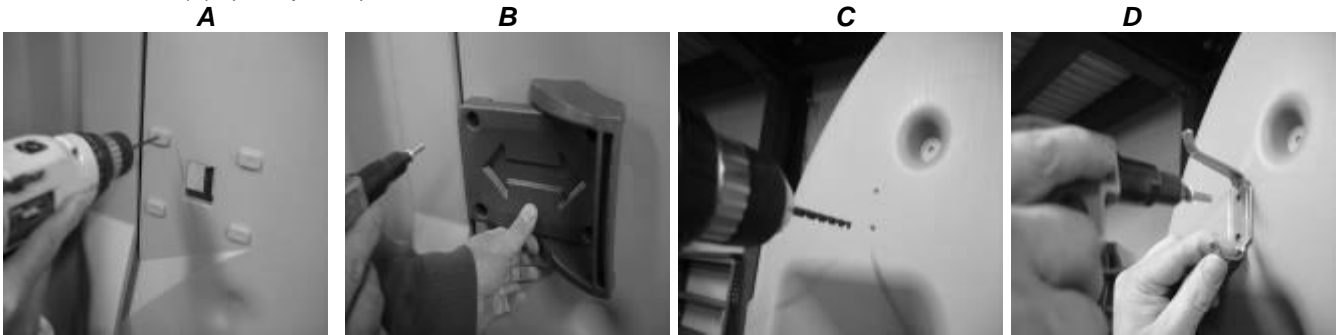


#19385 BASE ASSY, HT2 DTAN UPGRADE

21	15965	55"	TS HOSE, 1/2 OD TUBING
20	19275	1	TS FITTING, 1/2FPT STEM ADAPTR
19	19274	1	TS FITTING, 1/2 TEE HOS x HOS
18	19269	2	STRAINER, .375 ID
17	19184	6	SCREW, #10-24 1-1/2 STNLS PHPN
16	17030	6	RIVET, AVDEL BLACK
15	18755	8	RIVET, AVDEL SILVER LONG
14	17504	1	PUMP, STRAIGHT GUZZLER FOOT
13	18970	1	PLATE, HT2 FLUSH PUMP
12	19271	4	NUT, 5/8-11 NC STNLS
11	17097	1	HOSE, 3/4 X 72 GREEN
10	15325	3.3"	HOSE, 1 ROLLERFLEX 1100 GREEN
9	19270	1	GROMMET, 1in ID
8	14958	1	ELBOW, 90 1in PMP SLP X BOR HS
7	19268	1	DECK PLATE, 4in PRY OFF
6	19386	3	CLAMP, WORMDRIVE #16
5	10280	2	CLAMP, WORMDRIVE #06 STNLS
4	17498	1	CLAMP, #30 HI-TORQUE
3	19276	1	BUSHING, 3/4SP X 1/2FPT PVC40
2	15801	1	BOOT, BUTTON PUMP
1	18932	1	BASE, HT2 DTAN

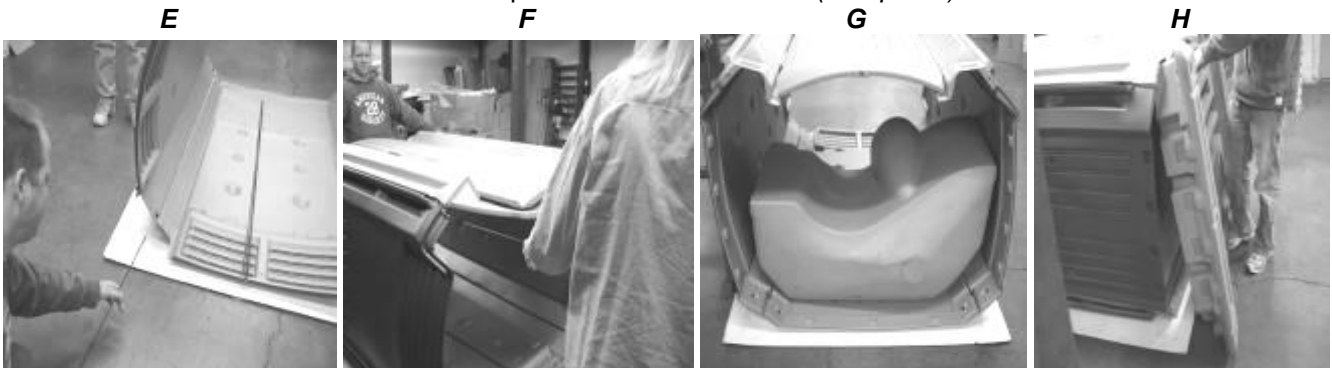
PRE-ASSEMBLY A-D

1. **Install door latch:** Drill out dimples (4) on inside of door using a #10 drill bit "be careful to not drill through outside wall of door". (See pic. A) Attach door latch PN 18942 and latch cover PN 18943 to door using rivets PN 18543 (4). (See pic. B)
2. **Install coat hook:** Drill out dimples (2) on inside of front, right door frame using a #10 drill bit "be careful to not drill through outside wall of door frame". (See pic. C) Secure coat hook PN 18944 to door frame using rivets PN 17436 (2). (See pic. D)

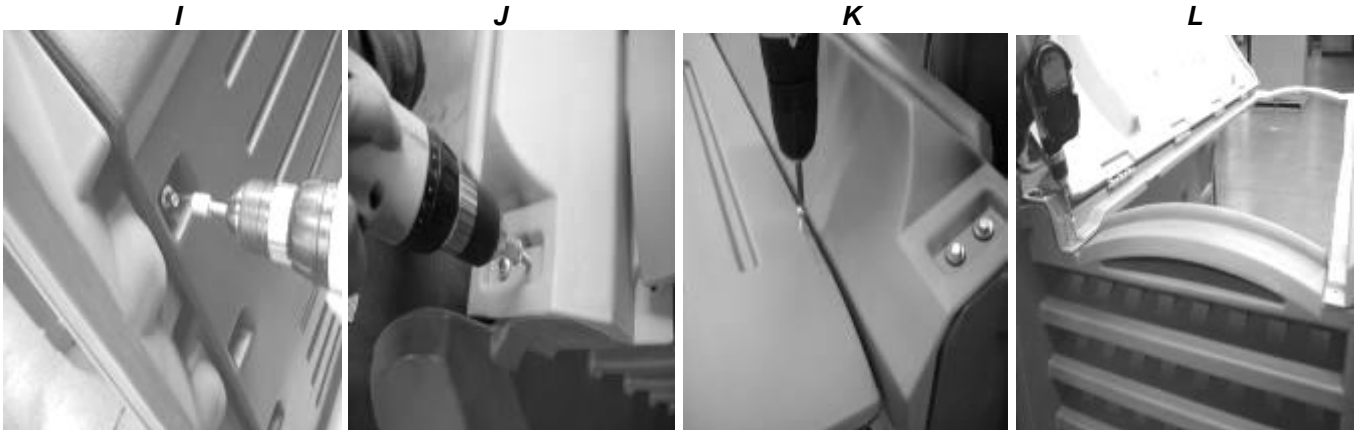


UNIT ASSEMBLY

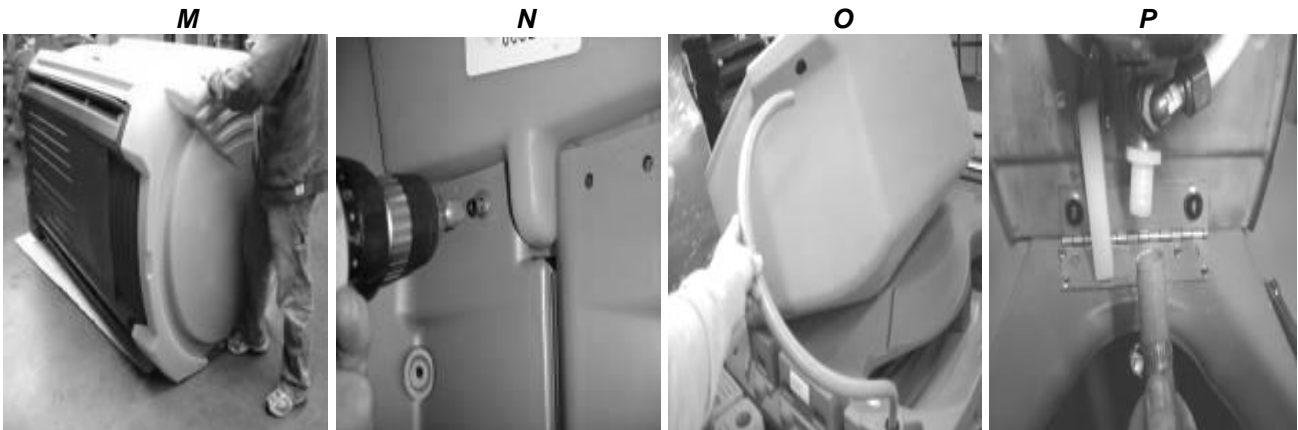
3. **Connect side panels to rear panel:** Lay rear panel [on sheet of cardboard to protect panel from scratches] outside of panel down on the floor / ground [**Note:** rear panel is wider than the side panels & side panels are interchangeable]. Connect one side panel to rear by sliding fiberglass rod PN 18681, pointed end in first starting at top of panels into holes in panel knuckles. (See pic. E) [**Note:** before inserting fiberglass rod entirely let side panel drop down until knuckles can be seen to make sure panels are joined completely]. Repeat the same assembly procedure to install opposite side panel.
4. **Connect front to side panels:** Set front onto side panels, one person holds bottom & other person holds top of front in position on side panels. Then one person holds front & side panels together at bottom of front while other person starts both fiberglass rods (2) PN 18681 partially into holes in panel & front knuckles [from top of front]. (See pic. F) Then continue to slide rods in side panel & front making sure panels & front are joined completely by shifting front to side to see if rods are entirely enclosed in panel / front knuckles.
5. **Install tank:** Slide tank PN 19384 in unit, rear of tank against rear panel. (See pic. G)
6. **Install base:** Place base PN 19385 into position at bottom of unit. (See pic. H)



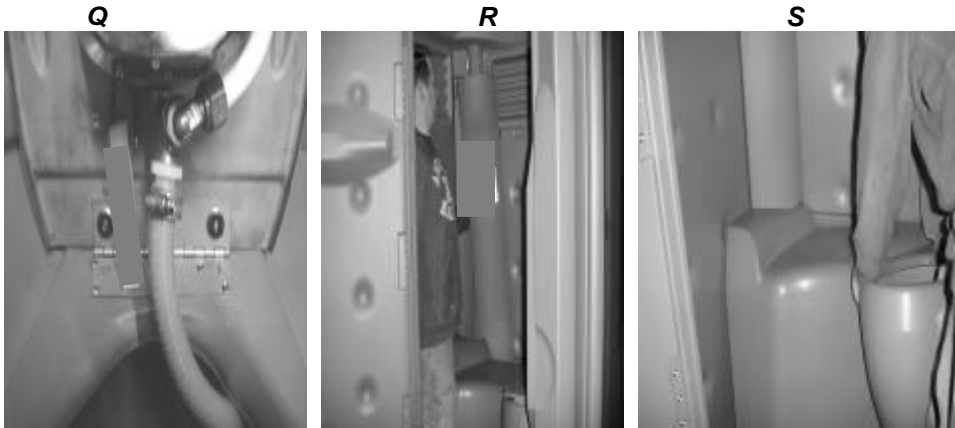
7. **Fasten side panels to base:** with PN 19496 Screws 1/4 x 3/4" (four per side panel). (See pic. I) Using a phillip screwdriver, start screws through holes at bottom of panels into the alum inserts in the base. [**Note: it is very important that all the screws be started with a Phillips screwdriver first and then tighten up with a 3/8 nut driver bit**]. (If holes in panels don't line up to allow easy starting with Phillip screwdriver elongate hole in panel sideways until they align easily.)
8. **Fasten front to base: (Using the same fastening instruction as in note #7)** Attach front assembly PN 18935 to base with PN 19496 (two per side) through holes in right and left frame into alum inserts in base (See pic. J) Remove shipping screw at bottom of door using Phillips bit. (See pic. K) Finish fastening front to base, open door and install screws PN 19496 (one per side). [**Note: it is very important that all the screws be started with Phillips screwdriver first and then tighten up with a 3/8 nut driver bit**]. (See pic. L)



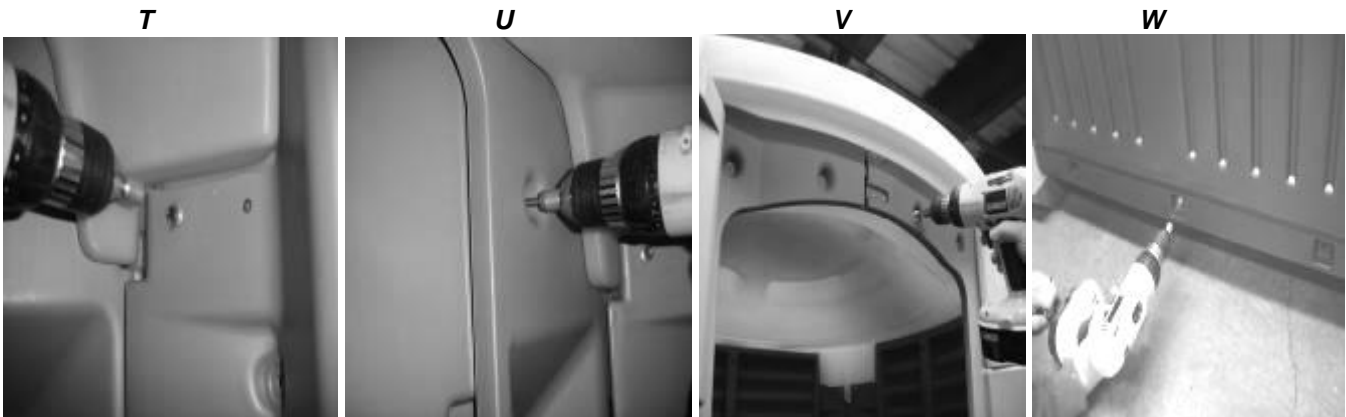
9. **Install roof on unit:** With unit still on rear panel place roof PN 18938 on top of unit. (See pic. M) Tip unit upright, one person holds roof in place and lifts while other person pulls on base to.
10. **Fasten roof to panels:** Start in rear left corner where vent pipe hole is located (**THIS CORNER ONLY TO START**). Install screws #14 x 1-1/2" PN 13860 (4) with 3/8" hex nut driver bit through holes in panel into cored holes in roof PN 18938, may need to pull down on roof through vent pipe hole in roof to locate cored holes in roof. (See pic. N)
11. **Connect outlet hose from pump in base to bowl in tank:** [**Note: tank comes with flush bowl & seat already installed**] Route outlet hose from base through hole in rear of tank, tilt tank back from rear panel so outlet hose from pump located at rear of base [right side] can be placed through pre-drilled hole in tank PN 19384 (See pic. O). Outlet hose is pulled completely into tank. Install outlet hose to flush bowl on fitting at rear of bowl. [**Note: may need to heat end of hose using a heat-gun or very hot water to install outlet hose on bowl fitting**] (See pic. P). Secure outlet hose to fitting on flush bowl using 5/16" nut driver bit to tighten #12 clamp PN 12588 (1) (See pic. Q)



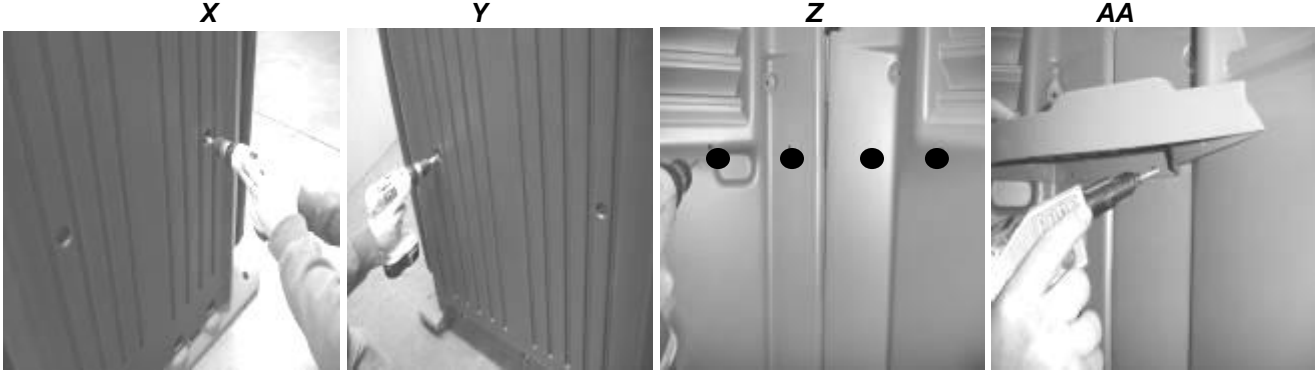
12. **Install vent pipe:** To install vent pipe PN 18940 in roof PN 18938. Pull tank back from rear panel approximately 6", slide vent pipe behind tank, push round end of vent pipe up into opening in roof. (See pic. R) To seat vent pipe in tank PN 18939, move tank back into position on base lifting on right side of tank so the bottom of the vent pipe seats in tank opening, top left corner of the tank [may need to rock tank back and forth]. (See pic. S)



13. **Finish fastening roof to panels:** in rear right corner on inside of unit. Use screws #14 x 1-1/2" PN 13860 (4) with 3/8" hex nut driver bit, same procedure as fastening roof to panels in the rear left corner. [Note: may need person outside unit to pull down on roof to locate & install screws in cored holes on inside of roof]. Fasten roof to panels in front corners of unit, inside of unit using screws PN 13860 (4 total, 2 per side) with 3/8" hex nut driver bit. (See pic. T)
14. **Fasten roof to front:** from inside unit using screws #14 x 1-1/2" PN 13860 (2) with 3/8" nut driver bit in dimples located in recessed areas left & right door frame. (See pic. U) Fasten roof to door frame from outside unit using screws PN 13860 (4) with 3/8" hex nut driver bit in 4 holes at the top of door frame. (See pic. V)
15. **Fasten rear panel to base:** with screws 1/4 x 3/4" PN 19496 (3) through holes at bottom of panel into alum inserts in base. (See pic. W) [Note: it is very important that all the screws be started with a Phillips screwdriver first and then tighten up with a 3/8" nut driver bit]. (If holes in panels don't line up to allow easy starting with phillip screwdriver elongate hole in panel sideways until they align easily.)



16. **Fasten side panels to tank:** from outside of unit using screws #14 x 1-1/2" PN 13860 (2 total, 1 per side) near round recessed areas near the back of both side panels. (See pic. X)
17. **Fasten rear panel to tank:** from outside unit using screws #14 x 1-1/2" PN 13860 (2) in pre-drilled holes in round recessed areas of rear panel. (See pic. Y)
18. **Install shelf:** drill out dimples (4) located on inside of unit in right rear corner of unit [about 2/3 the way up from the base on rear / right side panels] using a # 10 Drill bit "be careful not do drill through outside wall of panels". (See pic. Z) Secure shelf PN 18857 to panels using rivets PN 17436 (4). (See pic. AA)



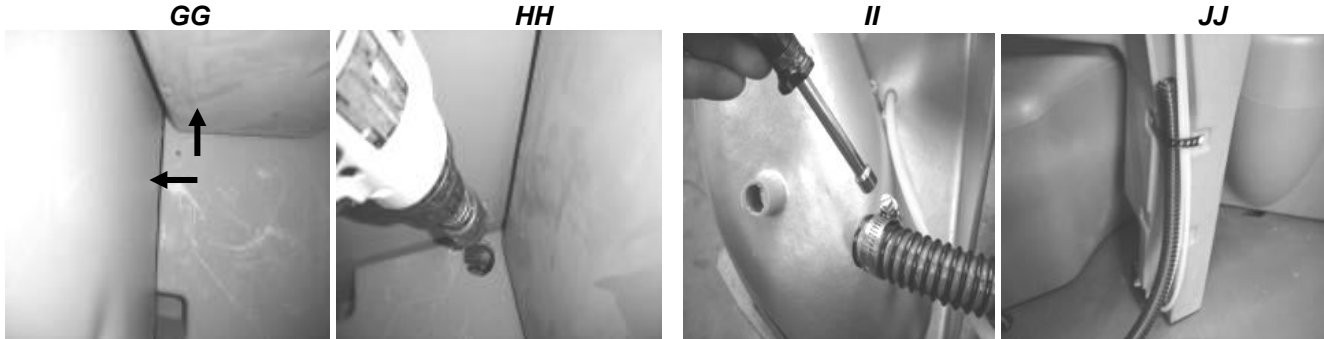
19. **Install toilet paper dispenser:** drill out dimples (3) located on inside of unit in right front corner of unit [about 1/2 the way up from the base on right door frame / right side panel] using a # 10 Drill bit "be careful not do drill through outside wall of front / panel". (See pic. BB) Secure 4 roll toilet paper holder PN 18955 to front / panel using rivet PN 17030 (1) on inside at top of dispenser [toilet paper holder lid needs to be open]. (See pic. CC) Secure 4 roll toilet paper holder PN 18955 to front / panel using rivet PN 17030 (2 total, one per side) on outside near bottom of dispenser. (See pic. DD)



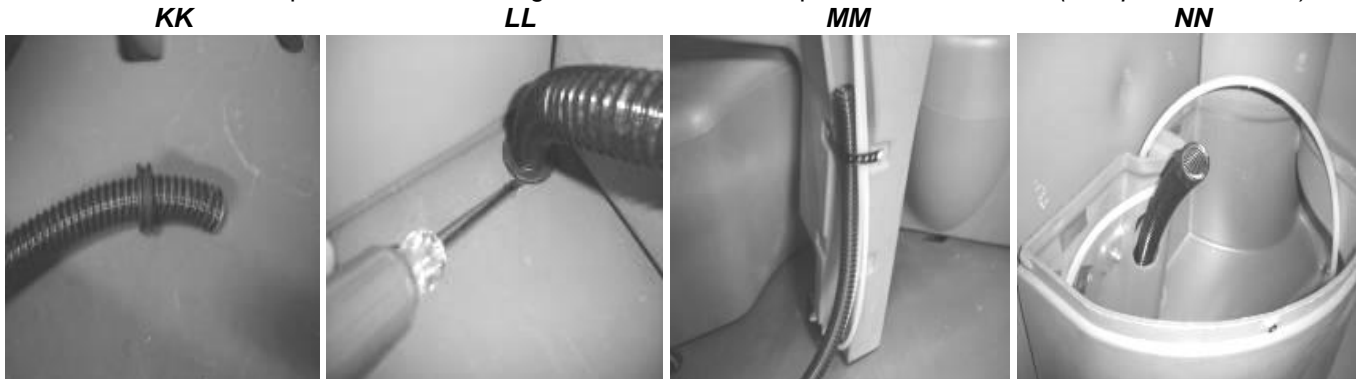
20. **Install Decal on Paperguard 4 roll vertical:** Decal toilet paper dispenser PN 19308 (1) centered on front of toilet paper dispenser over round recess on dispenser. (See pics. EE & FF)



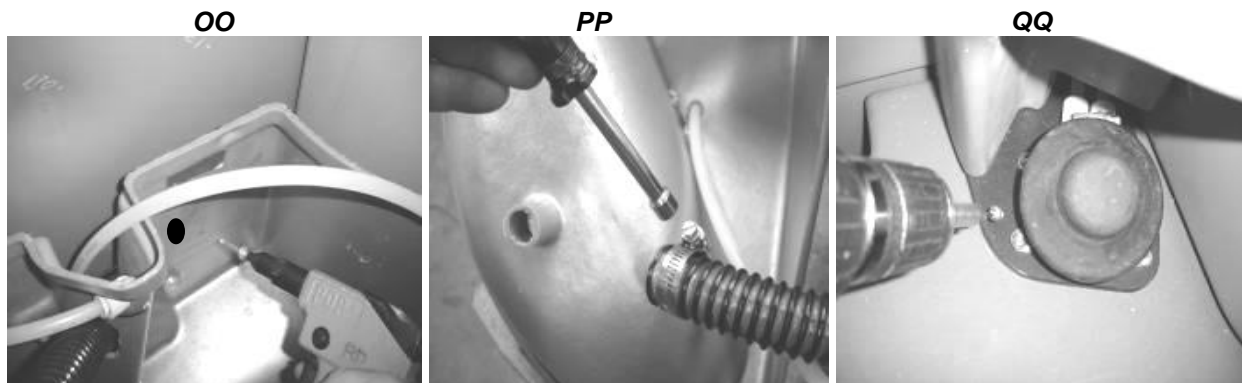
21. **Handwash installation:** [Note: hardware for Handwash installation is in a small plastic bag taped on the Interior of the Handwash.] Measure & mark location hole for Handwash drain hose on floor of base. Measure out from bottom left corner of waste tank .875" & over 1.50" from left edge of base. (See pic. GG) Drill hole in base at mark using a 1-3/4" hole saw. (See pic. HH) Remove hose on stem of basin loosen clamp on end of hose using 5/16" hex nut driver bit. (See pic. II) Remove hose from channel & black strap on back of tank. (See pic. JJ)



21a. **Handwash installation:** Install drain hose in base. End with grommet attached, grommet should be 2.00" up from end of hose (See pic. KK). Using a flat blade screwdriver press grommet in hole until top flange of grommet is flush with the base surface. (See pic. LL) Re-install drain hose at rear of Handwash tank. Through channel & black strap on rear tank, through hole in back near top of Handwash tank. (See pics. MM & NN)



21b. **Handwash installation:** Position Handwash tank in left corner of unit against left panel & waste tank. Transfer drill through hole on back of Handwash tank [on right side first, using # 10 drill bit] into left panel "be careful not to drill through outside wall of panel" (See pic. OO) Install rivet PN 14427. Install hose on stem of basin. Slide hose onto stem of Handwash basin & tighten hose loosen clamp using 5/16" hex nut driver bit. (See pic. PP) Snap basin onto Handwash tank. Secure pump mount plate to floor of base with screw PN 15513 through hole in pump mount plate, using drill with # 2 Phillips driver bit. Make sure bottom of Handwash is up against the left panel. (See pic. QQ)



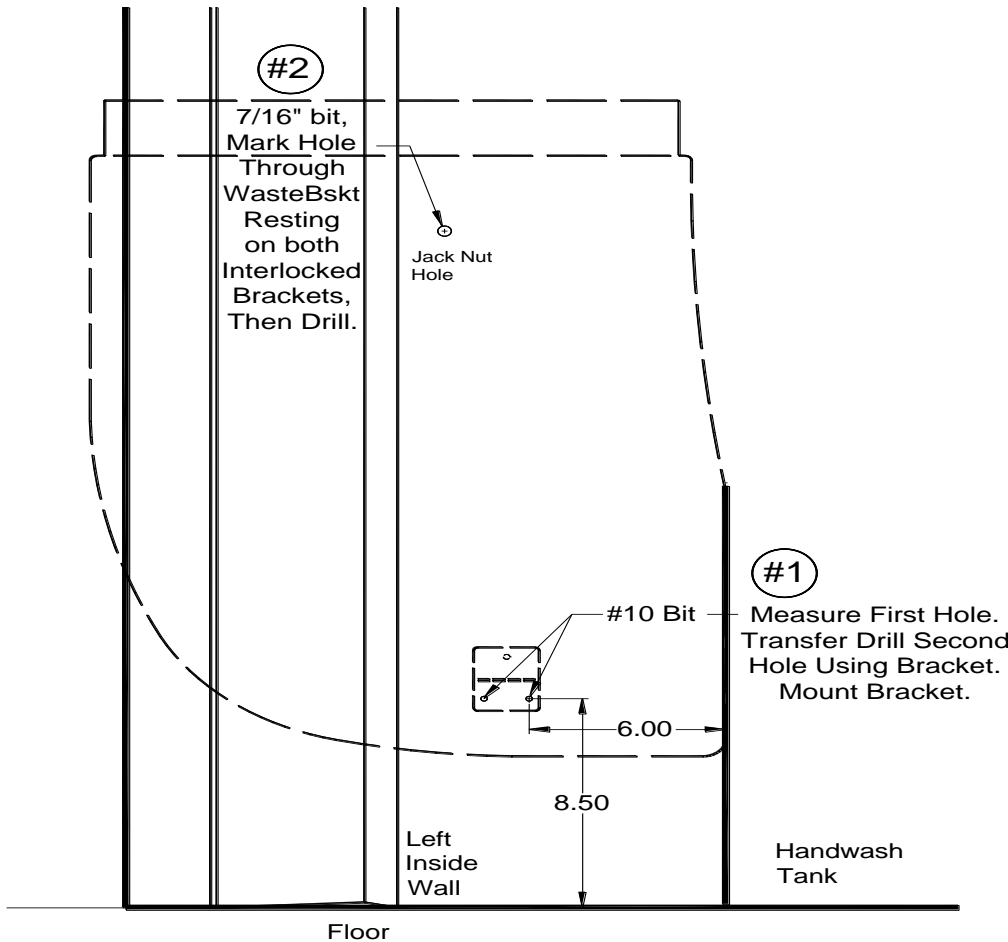
22. **Wastebasket installation:** [* **Note:** Hardware for wastebasket installation is in small plastic bag taped on the inside of the wastebasket.] Carefully mark out the three hole locations (**on left panel**) using dimensions in the illustration below. "Be careful not to drill through outer wall of panel" (See Drawing RR)

#1) Mark and drill the 2 lower holes in left panel using the # 10 drill bit and cordless drill. (See pics. SS & TT)

Make sure bracket PN 18969 is facing up (as shown) then rivet it to the left inside panel of the wall using rivets PN 17436. Set wastebasket against wall and with both brackets engaged.

#2) Mark and drill the 1 upper hole in the left panel using a 7/16" drill bit and cordless drill. (See illustration RR)

RR



SS

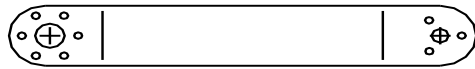


TT



22a. Wastebasket installation: Install Jack nut into wall:

- Insert the bolt PN 10089 through the Jack nut wrench PN 14332 (wrench stamped with the direction to install the bolt) and into the Jack nut PN 14331. Turn the bolt finger tight.
- Push the Jack nut into the upper hole in left panel.
- While holding the Jack nut wrench take special care to protect your hand (the wrench edge is sharp) turn the bolt clockwise with a 7/16" wrench until final resistance is felt to crimp insert.
- Remove the bolt and wrench.



P/N 14332
WRENCH, 1/4" JACK NUT



P/N 10089
BOLT, 1/4 - 20 X 1 GR5 PLTD



P/N 14331
INSERT, 1/4-20 JACK NUT



Install the 1/4-20 X 3/4 knob PN 20562 to the wastebasket by inserting it through the hole on the inside first – out the back. (See pic. UU) Then to hold it in place, press on the 1/4-20 round press nut PN 20561 over the threads of the protruding stud until up against the outside back wall of the lower wastebasket. (See pic. VV) Position the wastebasket in unit against left panel to next to Handwash unit (See pic. WW) so that the lower brackets on the Wastebasket bracket and bracket on the left panel interlock. Insert the Knob stud into the Jack nut hole in the wall and tighten the two together by turning clockwise until snug. Then after a plastic trash bag has been placed in the lower wastebasket - push lower the wastebasket top onto the wastebasket bottom (now mounted to the wall) until there is a snapping sound.

UU



VV

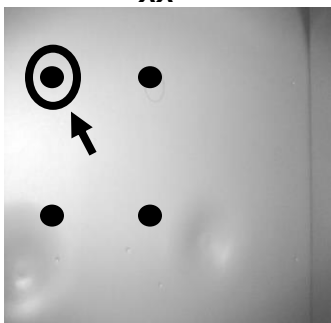


WW

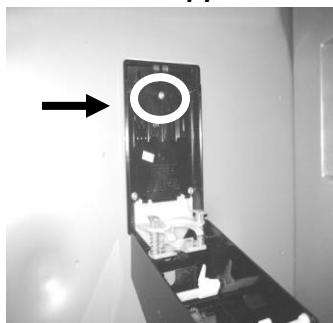


23. Soap Dispenser installation: [Note: "be careful not do drill through outside wall of panel"] Drill at top left of 4 dimples located on left panel right above Handwash using # 10 drill bit (See pic XX). Open dispenser install rivet PN 17436 in top center hole of dispenser (See pic YY) PN 20895 Foaming (need key to open on sides of dispenser, key comes with dispenser) PN 20894 dispenser 1000 ML (press inward on white buttons on bottom of dispenser to open) PN 20893 dispenser 800 ML (press inward on white buttons on bottom of dispenser to open) Hold dispenser level & transfer drill through bottom 2 slots in back mount plate # 10 drill bit. (See pic. ZZ) Install rivets (2) PN 17436 & close dispenser cover. (See pic. AAA)

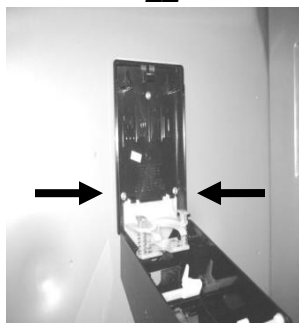
XX



YY



ZZ



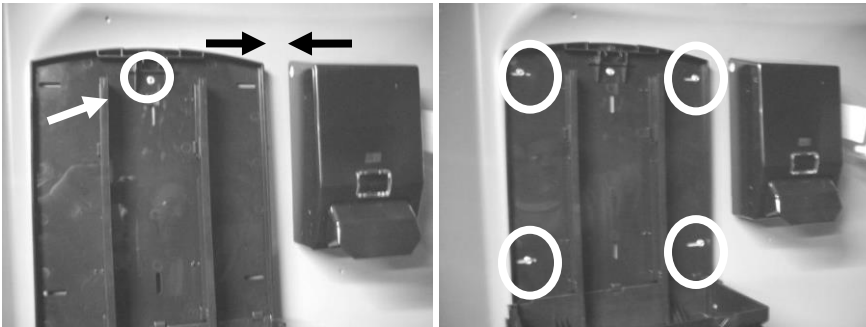
AAA



24. **Paper towel Dispenser installation:** [Note: "be careful not do drill through outside wall of panel"] Position dispenser PN 21186 Black Combo so top of dispenser is inline with top of soap dispenser & over 1.250" from left edge of soap dispenser. Open dispenser cover (use key on top of dispenser). Transfer drill at center hole at top of dispenser back plate into left panel using # 10 drill bit. Install rivet PN 17436 located on left panel. (See pic. BBB) With dispenser level transfer drill at slots in four corners of back plate using # 10 drill bit. Rivet dispenser to left panel using rivets PN 17436 (4) (See pic. CCC)

BBB

CCC



25. **Decal installation:** Decal Icon PN 18971(1) on outside of unit in oval recess at top of door. (See pic. DDD) Decal Flush Instructions PN 19259 (1) on inside of unit near edge of door frame up 39" from floor to bottom of decal just to the right of the toilet paper dispenser. (See EEE) Decal toilet paper only PN 19260 (1) on inside of seat-lid down 4.50" from top of seat-lid to top of decal centered on seat-lid. (See FFF) Decal HW instructions PN 18995 (1) on inside of unit left panel 2.50" down from bottom of soap dispenser to top of decal, over 1.50" from left side of paper towel dispenser to right edge of decal. (See GGG)

DDD

EEE

FFF

GGG



26. **Decal installation:** Decal do not drink PN 13776 (1) centered on top of Handwash basin. (See HHH)

27. **Mirror installation:** Place mirror P/N 18974 on rear panel of High Tech 2 unit and start (4) screws P/N 17505 # 10-24 x 1-1/2 through holes in mirror into inserts in rear panel. Tighten screws with Phillips driver bit in drill. Note: Just snug screws, do not over-tighten, the mirror frame may bend inward if screws are over-tightened. (See III)

HHH

III



► **Additional High Tech 2 accessory kit part numbers / instruction part numbers:**

KIT PART NUMBER & DESCRIPTION		INSTRUCTION PART NUMBER & DESCRIPTION	
Part Number	Description	Part Number	Description
18987	Kit, HT 2 Handle	18988	Instructions, HT 2 Handle assy



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