




ECHO))
MAX

STRONG. SMART. DURABLE.



ASSEMBLY MANUAL

ECHO MAX - PART LIST

PICT	ITEM/DESCRIPTION	QTY
	PT815256X0009 5/16-18 X 1" BOLT	23
	PT815258X0009 5/16 FLANGED LOCK NUT	23
	PT815253X0009 3/16 LARGE FLANGE RIVET	101
	PT815259X0009 TRI-BULB RIVET	13
	PT805126X0009 COAT HOOK	2
	PT815252X0009 FENDER WASHER 1" DIAMETER	1
	PT815254X0009 RIVET BACKING WASHER 3/16	101

PICT	ITEM/DESCRIPTION	QTY
	PT815251X0009 1/4-20 X 3/4 BOLT	18
	PT815250X0009 1/4-20 FLANGED LOCK NUT	27
	PT815255X0009 1/4-20 X 1 1/4 BOLT	8
	1/4-20 X 2 1/2 BOLT FOR DOOR LATCH	1
	PT805125X0009 DOOR HANDLE/LATCH	1
	PT805124X0009 STRAIN RELIEVER	2
	PT805122X0009 DOOR SPRING	2

STEP 1: INSTALL ARM RAIL

- Drill a hole using a 1 3/8" Hole Saw into each of the 10 marked drill start areas on the inside of the side panel.
- Once all the holes are drilled, feed the arm rail through them using a rubber mallet.



STEP 2: SECURE THE ARM RAIL

- Use a 3/16" drill bit to drill a hole through the far right and left ends of the arm rail from the outside panel.
- Then use a rivet gun to attach the tri-bulb rivet through each hole to secure the arm rail.



STEP 3: CONNECT DOOR TO FRONT END OF THE BASE

- Align the holes on the front side of the door with those on the inside front of the base.
- Insert a 5/16"-18 x 1" bolt through the outside base into the door and secure it with a 5/16" flanged lock nut on the backside.
- Use a wrench for the lock nut while an assistant uses a ratchet on the outside door to tighten the bolt.
- Repeat this process for the remaining 3 predrilled holes to fully secure the door to the base.
- Use a 1/4" drill bit to drill out each of the drill start points on both sides of the door in preparation for attaching the side panels.



STEP 4: ATTACHING THE SIDE PANEL

- Place the side panel into the base and position it against the door aligning in place. A clamp can be used to help hold in place.
- Using holes drilled earlier in door as a guide, drill holes in side panel.
- Insert a large flange rivet through the door hole and into the side panel while ensuring someone places a washer from the inside.
- Use a rivet gun to tighten the rivet securely.
- Repeat this process for the other side of the door, and then replicate the step for both sides.



STEP 5: ATTACHING THE BACK PANEL

- Use a 1/4" drill bit to drill out the drill start areas on both sides of the back panel.
- Set the back panel inside the base and align it with the outside edges of both side panels.
- Once the panels are lined up, use the drill holes on the back panel to drill through the side panels. Clamps can be used to help hold panels in position while drilling.
- With the rivet gun, insert a large flange rivet, from outside, into the hole while placing a washer on the other side, then pull the rivet tight.
- Repeat this process for the remaining holes.



STEP 6: CONNECT BOTTOM OF PANELS TO THE BASE

- Starting with the back panel, align the bottom of the back panel flush with the lip of the base.
- Use a 5/16th drill bit to drill a hole through the middle of the back panel and base.
- Insert a 5/16th-18 x1 Bolt from the outside and tighten with the 5/16th flanged lock nut.
- Use a wrench on the lock nut to hold in place with someone using a ratchet or drill to tighten the bolts.
- Complete this process with all 5 designated drill holes for the back panel.
- Repeat this process for all 5 designated holes on the RIGHT panel.
- For the LEFT panel, only repeat this for 4 of the designated holes, omitting the area covered by the tank.
- Repeat the same process for all 4 corners of the toilet.



STEP 7: ATTACH THE ROOF TO DOOR

- Place the roof on top, ensuring it is aligned in the middle of the door and even on all panels.
- Drill through the middle hole of the door into the roof from the inside.
- Insert a 1/4" - 20 x 1 1/4" Bolt from the outside and a 1/4-20 Flanged Lock Nut onto the backside of the bolt.
- Use a wrench on the lock nut to hold it in place while an assistant uses a ratchet or drill to tighten the bolt.
- Repeat this process for the remaining holes connecting the door to the roof.



STEP 8: ATTACH THE ROOF TO SIDE PANELS

- Starting with back panel, drill out the 4 areas at top of the panel marked with a drill start.
- Place a 1/4" - 20 x 3/4" Bolt from the outside and a 1/4-20 Flanged Lock Nut onto the backside of the bolt.
- Use a wrench on the lock nut to hold it in place while an assistant uses a ratchet or drill to tighten the bolt.
- Repeat this process for the other 3 holes connecting the side panel to the roof.
- Do not drill out the drill start located in the crevice of the side panel (SHOWN IN PICTURE). There should only be a total of 4 bolts per side.
- Repeat this process for the remaining 2 panels.
- Once all 3 side panels are connected, repeat the process for the 4 corners, connecting the side panels to the roof.



STEP 9: INSTALL LIFT HANDLES TO THE SIDE PANEL

- On the side panel, you will find 2 sets of 8 drill starts designated for the lift handles, one towards the bottom front and the other bottom back.
- Do not drill all the drill starts as the lift handle holes do not line up perfectly.
- Starting with the bottom front side, use a 1/4" drill bit to drill into the top drill start closest to the edge of the panel.
- Next, level the lift handle and drill through the opposite side hole. Place a rivet in the lift handle to keep it in place.
- Drill out the remaining holes and place a rivet to fully secure the lift handle.
- Repeat this process for the remaining 3 lift handles.



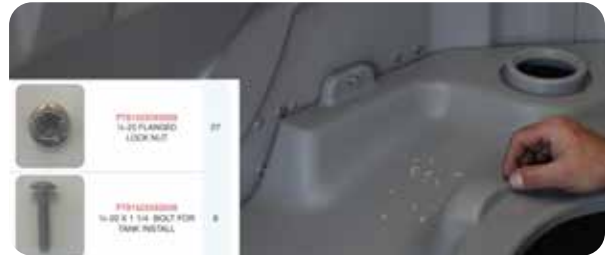
STEP 10-A: INSTALL THE VENT STACK TO ROOF

- Insert the vent stack through the designated hole. Make sure to slide it through enough to give yourself room to install the tank.



STEP 10-B: INSTALL THE TANK

- Ensure that it is level before starting to drill the holes.
- Use a 1/4" drill bit to drill through the designated area of the tank and into the side panel.
- Insert a 1/4" - 20 x 1 1/4" Bolt from the outside and a 1/4-20 flanged lock nut onto the backside of the bolt.
- Use a wrench on the lock nut to hold it in place while an assistant uses a ratchet or drill to tighten the bolt.
- Repeat this process to connect the tank to the back panel.



STEP 10-C: CONNECT VENT STACK TO TANK

- Pull the vent pipe down over the vent pipe connector on the tank.
- Use a 3/16" drill bit to drill a hole through where the vent stack connects to the tank.
- Use a rivet gun, insert a tri-bulb rivet to secure the vent stack to the tank.



STEP 11: CONNECT TOILET PAPER HOLDER

- Level the toilet paper holder in the preferred location and use the holes on the holder to mark where you want the mounting holes to be drilled.
- Use a 1/4" drill bit to drill through the marks.
- Insert a 3/16" rivet from the outside of the toilet. From the inside of the toilet, have an assistant hold the toilet paper holder in place while attaching a washer on the backside of the rivet.



STEP 12: ATTACH TOILET SEAT

- Place the toilet seat onto the tank, aligning the bolt holes in place.
- Insert the bolt through the seat and tank. Place a lock nut inside the tank where the bolt feeds through.
- Use a screwdriver or drill to tighten and secure the seat in place.
- Pull the rivet tight with a rivet gun. Repeat this for all 3 holes to fully secure the Toilet Paper Holder.



STEP 13: INSTALL THE DOOR LATCH

- Using a 20-2 x1/2" bolt and 1" fender washer, along with a 1/4" x 20 flange lock nut.
- Place the door latch on the inside of the door in its designated area and push the 20-2 x1/2" bolt and 1" fender washer into the hole through the latch.
- Place the 1/4" x 20 flange lock nut on the backside of the bolt.
- Use a wrench on the lock nut while using a screwdriver to tighten the bolt. Do not over-tighten so the latch can turn.



STEP 14: INSTALL COAT HOOK

- Using a 3/16" drill bit, drill holes into the door while holding the coat hook in its designated area.
- Use a rivet gun with a tri-bulb rivet to secure the coat hook in place.
- Repeat this process for the bottom coat hook.



STEP 15: INSTALL DOOR SPRING

- Place the spring strain reliever in the designated area located near the bottom right of the inside door panel.
- Drill a hole through the strain reliever and into the door panel using a 3/16" drill bit.
- Feed a coat hanger through the door spring hole and connect the door spring and pull it through towards the strain reliever side.
- Using a rivet gun, insert the rivet through the end of the door spring and strain reliever hole to secure in place.
- Repeat the step for the upper designated area for the door spring.

