TECHNICAL SUPPORT
ELECTRIC TRUCKMOUNT (ETM)

Replacing ETM Pump-Out With New Version

As of July 25, 2014, Mytee has begun using a new stainless steel pump-out (Part # **C384A**) in the Escape™ Electric Truckmount.

This document is meant to inform you on how to remove the old pump-out and install the new one.

Figure A displays the new pump-out kit (Part # **A112**) that features a check valve.

Technical Information For Pump-Out

GPM	35 GPM
Discharge	1.25” NPT. Vertical
Solids Handling	1/8”
Liquid Temperature	104 Degrees F. Continuous, 140 Degrees F. Intermittent
Motor Housing	304 Stainless Steel
Volute	304 Stainless Steel
Seal Plate	304 Stainless Steel
Impeller	ABS
Shaft	Corrosion resistant stainless steel, threaded design
Bearing (Upper and Lower)	Ball bearing construction to carry all radil and thrust loads
Hardware	300 Series Stainless Steel
Square Rings	Buna-N
Dual Mechanical Seals	Stainless steel metal parts, BUNA-N elastomer Upper Seal: Carbon vs Ceramic Lower Seal: Silicon Carbide vs Silicon Carbide
Motor (Single Phase)	3450 RPM, 60Hz, 230 Volts, 2 Pole Air Filled, Class B Permanent Split Capacitor
Size	6” x 6” x 12”

How To Install New ETM Pump-Out

Tools Needed:

- Philips Head Screwdriver
- 15/16 Wrench
- 5/16 Socket
- Crimper
- Wire Stripper
- Silicone sealant

Labor hours allowed: 2

Step 1: Remove the recovery tank lid along with its frame from the tank to allow more room to take out the pump (**Figure B**).

Step 2: Remove the pump-out bracket screw that is located on the outside lower portion of the recovery tank (**Figure C**). There is a nut on the inside of the recovery tank holding this screw in place. Set screw and nut aside.

Step 3: Loosen the hose clamp that is holding the pump-out hose to the pump's check valve.

Step 4: Remove pump-out hose from the check valve.

Step 5: Loosen the fitting relief nut that is securing the pump-out power cord to the recovery tank (**Figure D**).

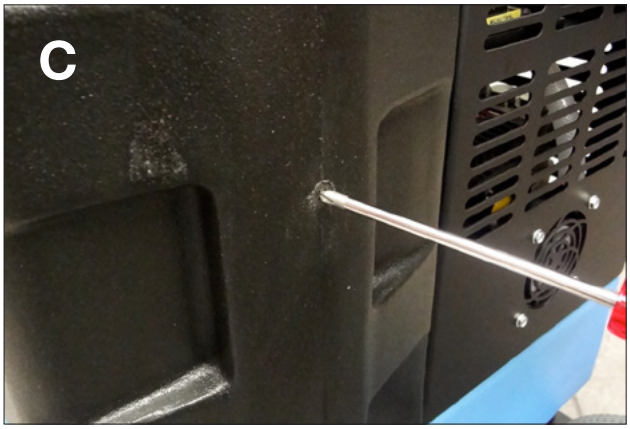
Step 6: Unplug the pump-out power cord from the harness and pull it through the recovery tank.

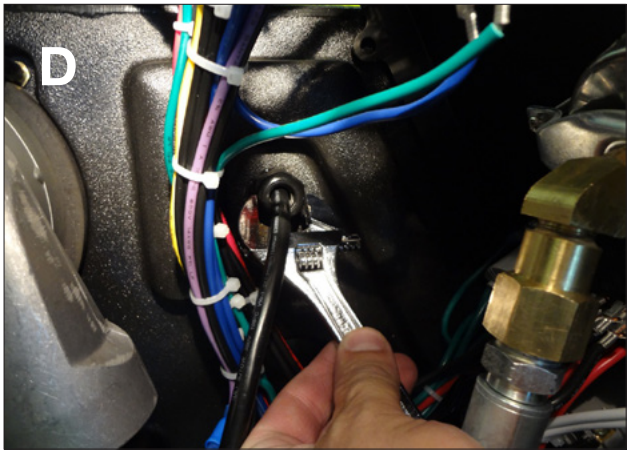
Step 7: Unscrew the check valve from the pump-out.

Step 8: Remove the old pump-out and check valve from the machine.

Step 9: Screw in the new check valve halfway into the new pump-out. Add silicone sealant to the threads then screw it in the rest of the way. Make sure the vent hole and sticker (**Figure E**) are facing the opposite direction of the pump-out bracket (See arrow on **Figure F**). Wipe away excess silicone.

Step 10: Place new pump-out in the recovery tank. Align the new pump bracket with the existing hole used for the old bracket.





Step 11: Screw the bracket in place to the recovery tank. Place a little silicone around the nut that is holding the screw in place so that the recovery tank will be air sealed.

Step 12: Plumb the pump-out hose on the pump's check valve. Clamp the hose securely in place with the hose clamps. Make sure the nut head of the check valve is facing up (**Figure F**).

Step 13: Run the new pump-out power cord through the fitting relief nut and tighten to secure the cord.

Step 14: If necessary, cut the pump-out power cord down so that it is the correct length and strip the ends. Crimp on the male bullet terminals to the power cord and connect back to the harness (*green to green, black to black, white to purple*)(**Figure G**).

Step 15: Screw the recovery tank lid frame back on. Do not use the old holes to screw the frame back on as this could cause leakage. You should make new holes for a better and secure seal. Place lid back on the machine.