

PREVOST

Instruction Sheet

IS-23521

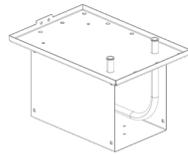
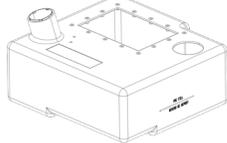
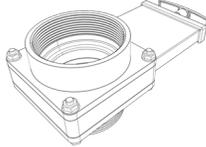
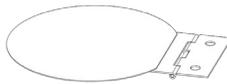
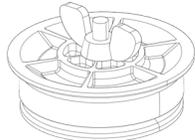
AUXILIARY SEPTIC TANK INSTALLATION

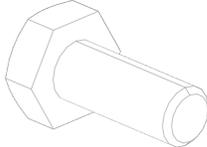
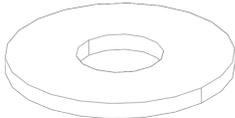
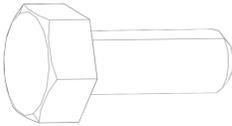
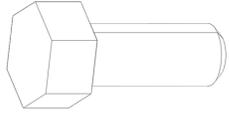
First Release

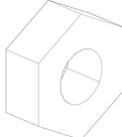
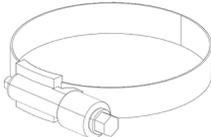
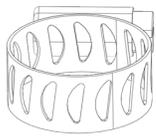
09-14-2023

MATERIAL

Kit # IS23521 includes the following parts:

Part No	Description		Qty
401368	COVER, PUMP OPENING		1
406550	AUXILIARY SEPTIC TANK		1
900195	VALVE, TANK DRAIN		1
404176	TRAP ASSEMBLY		1
404155	GASKET, TRAP		1
504280	CAP, AUXILIARY SEPTIC TANK		1
406552	GASKET, PUMP		2
405107	SUPPORT, AUXILIARY SEPTIC TANK		1
400635	HOSE 520MM		1

405050	HOSE 140MM		1
502804	SCREW HEX N500 M10-1.5X25 G8.8		1
502888	SCREW HEX N500 M6-1X35 G8.8		4
5001833	WASHER BELLEVILLE SS 301 6.65X17.4X1.27		4
502737	SCREW HEX SS NSS M6X25		2
500411	WASHER FLAT SS .260X.697X.05		20
5001182	NUT HEX NYRT SS M6-1		2
5001697	SCREW HEX SS NSS M6X16		14
502622	SCREWHX SS NSS M6X20		4
502570	WASHER LOCK SPLIT SS 6.1X11.8X1.6		4
502655	SCREW HEX SS NSS M10X25 G8		2
502616	WASHER LOCK SPLIT SS 10.2X18.1X2.2		3
500270	WASHER FLAT SS .406X1.000X.063		3

502567	NUT HEX SS M10-1.5		1
5001417	WASHER FLAT SS 11X34X3		1
504580	CLAMP CT BREEZE 83-105		4
504019	CLAMP SS/CS 14-27		1
680467	PLUG ID 0.449 OD 0.531		2
507664	CABLE TIE, NYLON BLACK (50 POUND) DOUBLE LOOP		5
504768	CABLE TIE, NYLON BLACK (150 POUND) DOUBLE LOOP		1
504637	CABLE TIE, NYLON BLACK (STD)		5
IS-23521	Instruction Sheet		1
FI-23521	Feuille d'instructions		1

Other parts that may be required:

Part No.	Description	Qty
682989	SILICONE REMOVER	AR
684685	GLUE SIMSON ISR 70-03 BLACK, CARTRIDGE	AR

NOTE

Material can be obtained through regular channels.

SAFETY PRECAUTIONS

- Eye protection should always be worn when working in a shop.
- Rules for Personal Protection Equipment should always be respected. Wear your PPE including but not limited to the following:



Safety First!



PROCEDURE



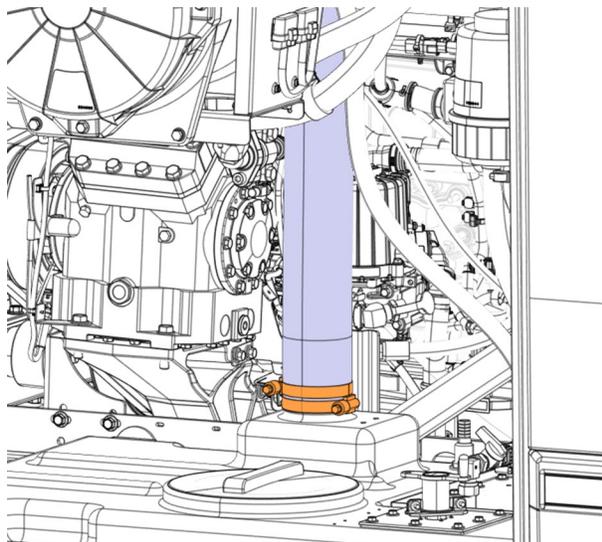
DANGER

Park vehicle safely, apply parking brake, stop engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

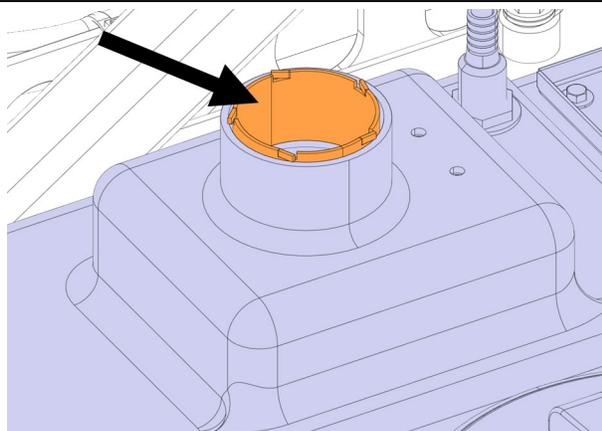
Lock out & Tag out (LOTO) must be performed during set-up, maintenance or repair activities. Refer to your local procedure for detailed information regarding the control of hazardous energy.

DISCONNECT TANK AND PUMP

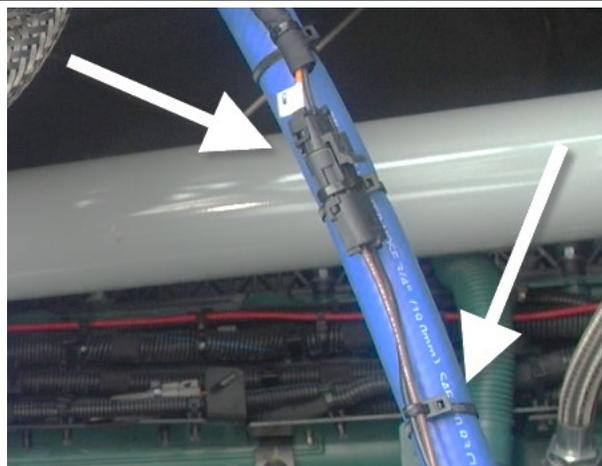
1. Remove hose and collars and discard.



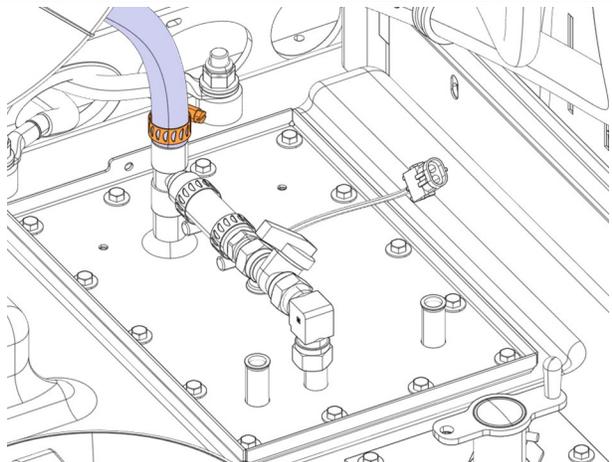
2. Ensure that the existing reinforcing sleeve on the main tank is still in place.



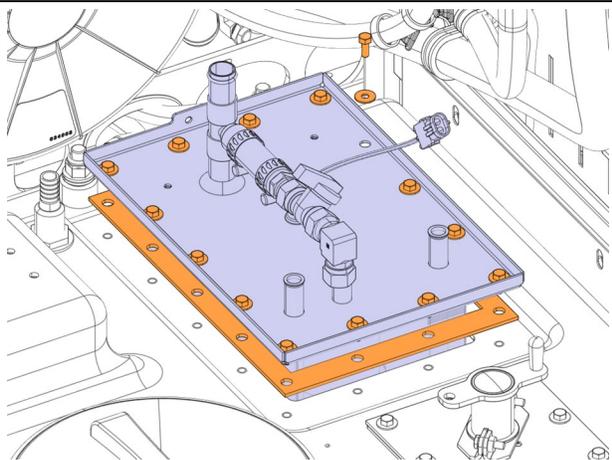
3. Disconnect the connectors MO13 and cut the cable ties securing the wiring to the long pump hose.



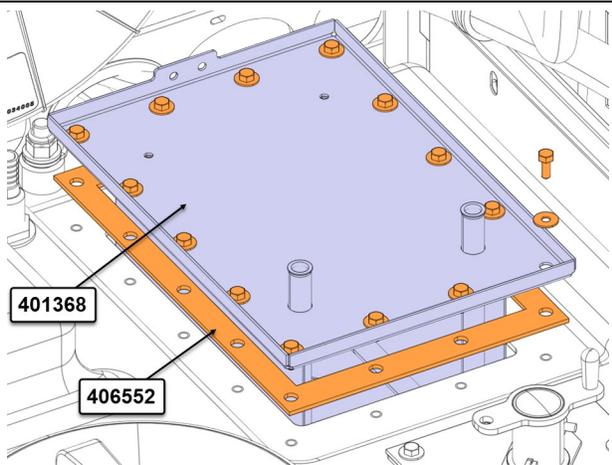
4. Remove the clamp and long hose from the pump and discard the clamp.



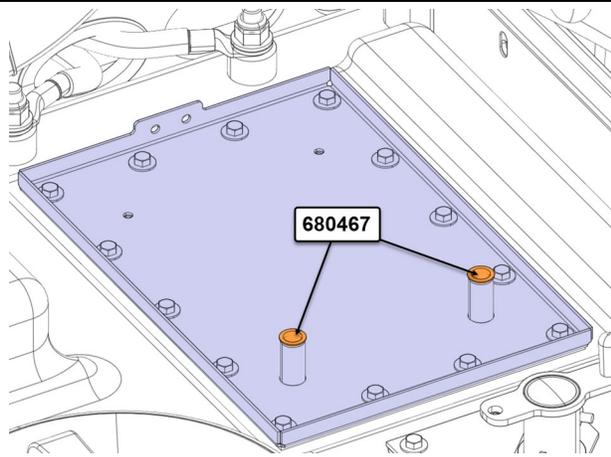
5. Remove bolts (14x) and washers (14X) then remove pump and gasket.
6. Discard the seal.



7. Install cover 401368 with gasket 406552 on existing tank, reuse bolts (14x) and washers (14x) torque to 40 lb-in.

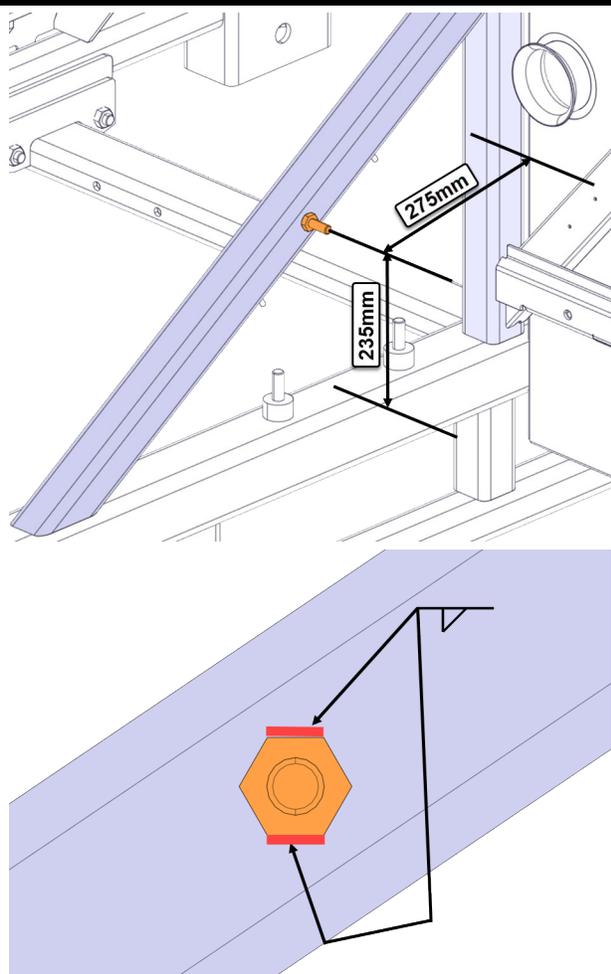


8. Make sure the 680467 (2x) plugs on the tubes coming out of the cover are in place.



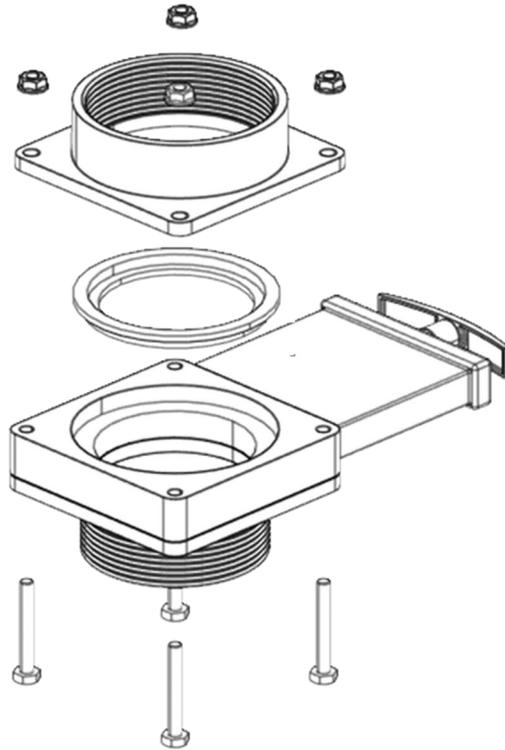
WELDING A BOLT (IF NECESSARY)

1. Weld screw 502804 to the structure at the position shown.

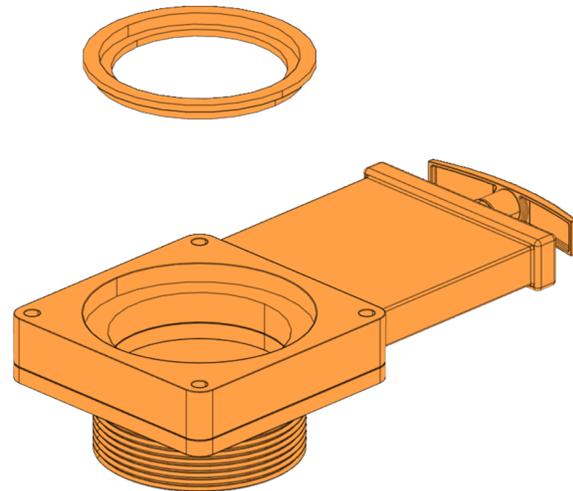


AUXILIARY TANK ASSEMBLY

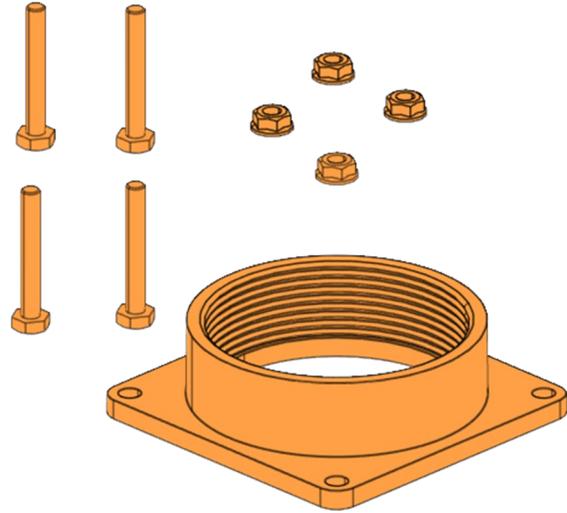
1. Disassemble the valve 900195.



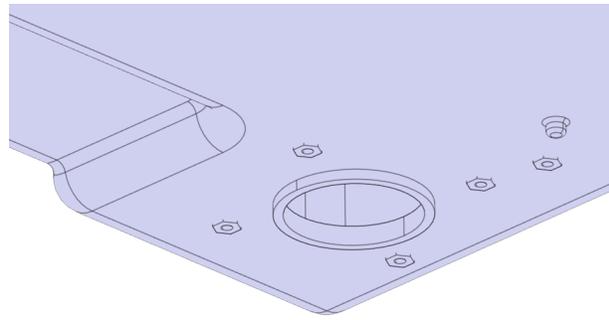
2. Keep the following parts.
3. Clean all remaining components with silicone remover.



4. Discard the following components.

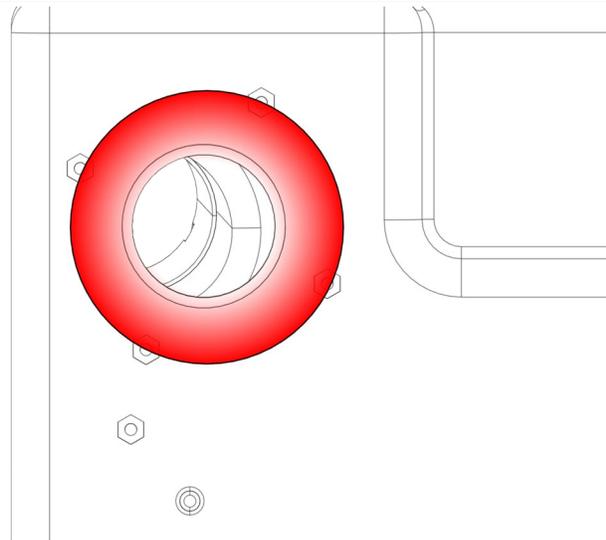


5. Under the auxiliary tank, clean the surface around the flange with silicone remover.

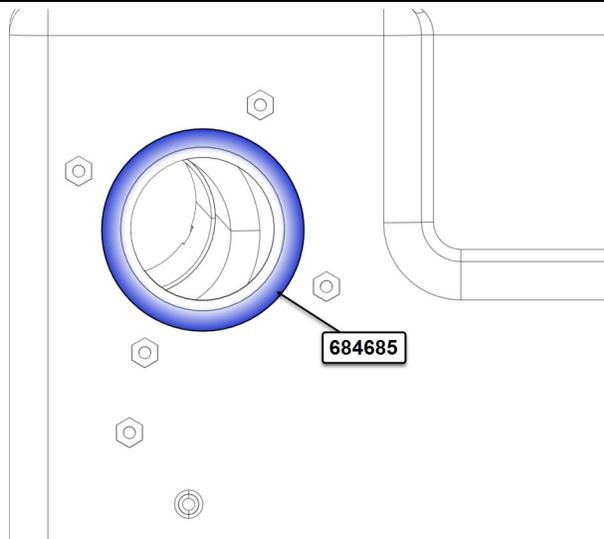


6. Prepare a glue dispenser with Simson 70-03 black glue (684685) to apply a $\text{\O}1/8$ " bead.

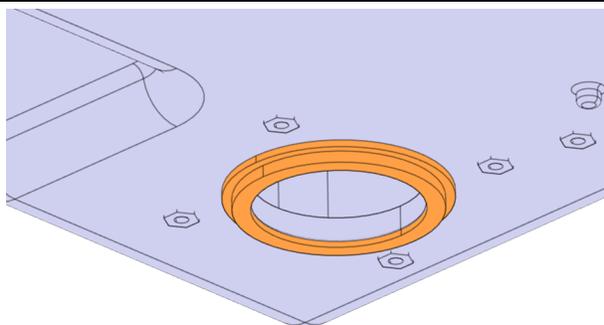
7. On the underside of the auxiliary tank, lightly heat the flap mounting surface around the flange for a few seconds, about 1" wide.



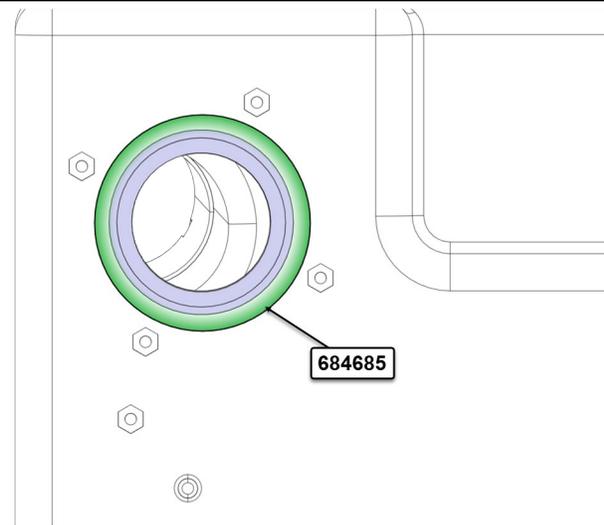
8. Apply a $\text{\O}1/8$ " bead of Simson sealant (684685) around the flange on the underside of the auxiliary tank. **Do not spread the sealant with your finger.**



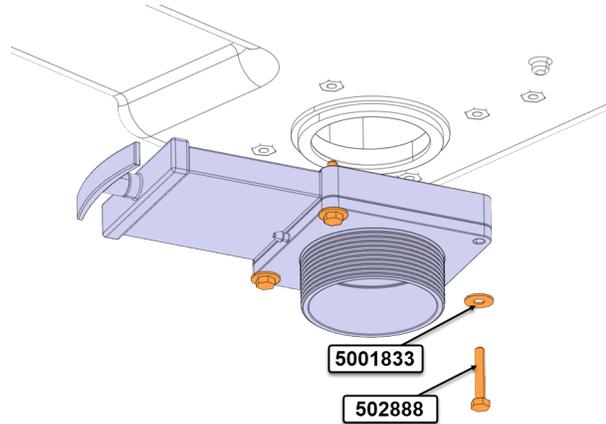
9. Position the gasket with the large diameter facing the tank.
10. Install the valve gasket onto the flange on the underside of the tank. **Do not push the sealant too far back.**



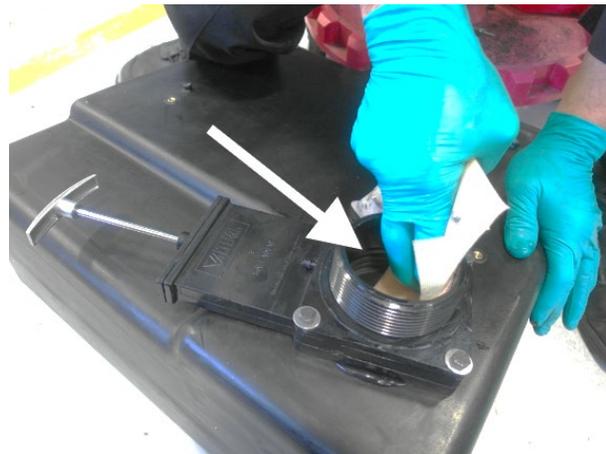
11. Add a $\text{\O}1/8$ " bead of Simson glue (684685) around the gasket. **Do not spread with your finger.**



12. Install valve on auxiliary tank.
13. Ensure that the writing is upside down when the tank is inverted.
14. Ensure that the gasket between the valve body and the flange with external threaded collar is in place with its small diameter towards the sash.
15. Secure the valve with bolts 502888 (4x) and Belleville washers 5001833 (4x), torque to 40 lb-in.



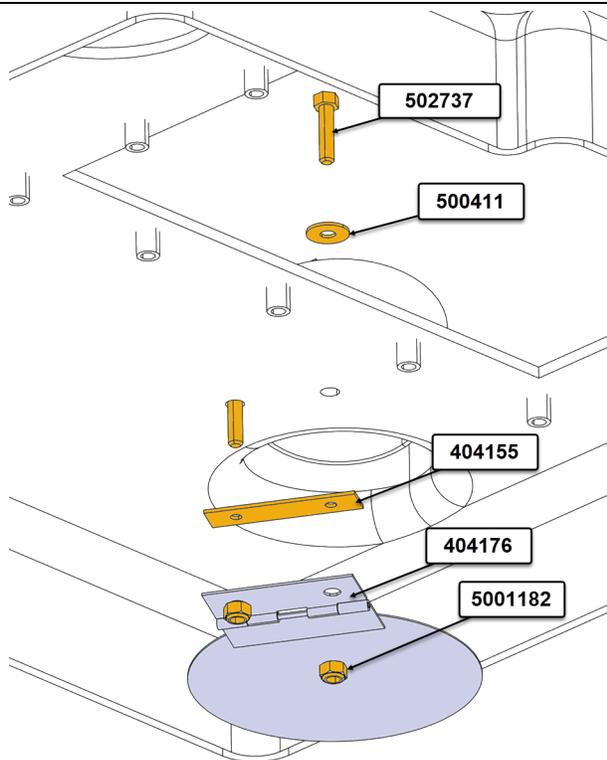
16. Clean excess sealant from inside valve.
17. Turn the tank upside down.



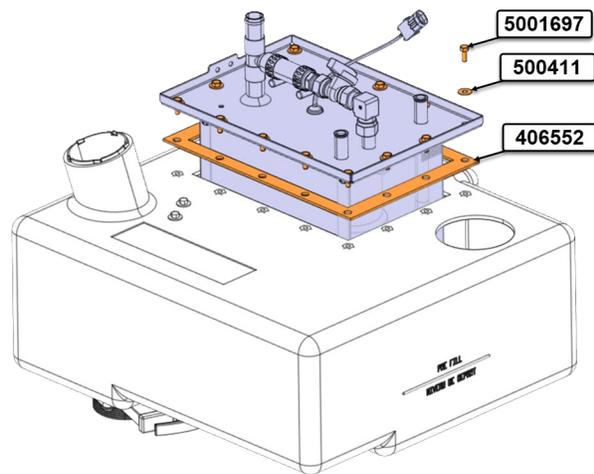
18. Fill the tank 50% with water and check for leaks around the bottom valve.
19. Drain water from tank and wipe dry.



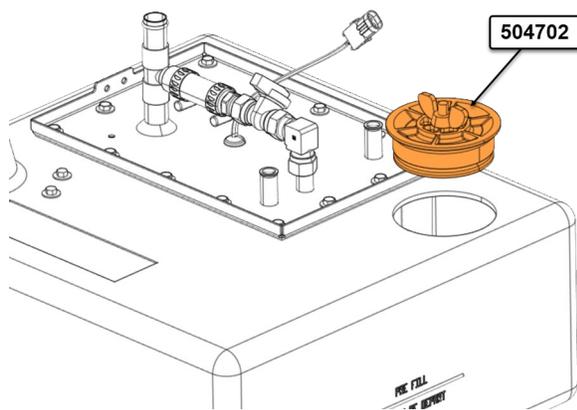
20. Install the assembled trap 404176 inside the tank with the gasket 404155, bolts 502737 (2x), flat washers 500411 (2x) and nuts 5001182 (2x).



21. Position seal 406552 on top of auxiliary tank in pump opening.
22. Install the pump on the tank using bolts 5001697 (14x) and washers 500411 (14x).
23. Torque bolts to 40 lb-in.

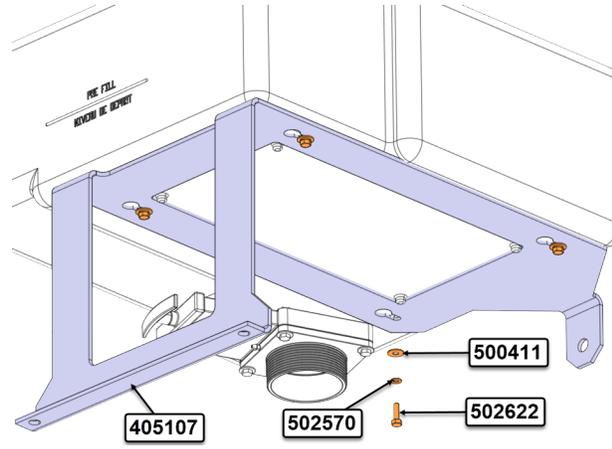


24. Install cap 504702.



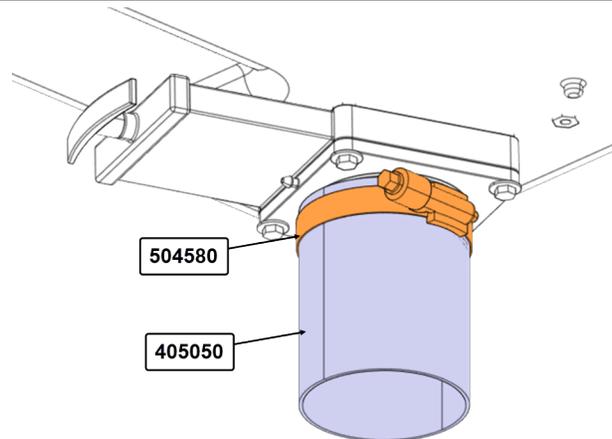
25. Install auxiliary tank support 405107 with bolts 502622 (4x), lock washers 502570 (4x) and flat washers 500411 (4x).

26. Torque bolts to 40 lb-in.

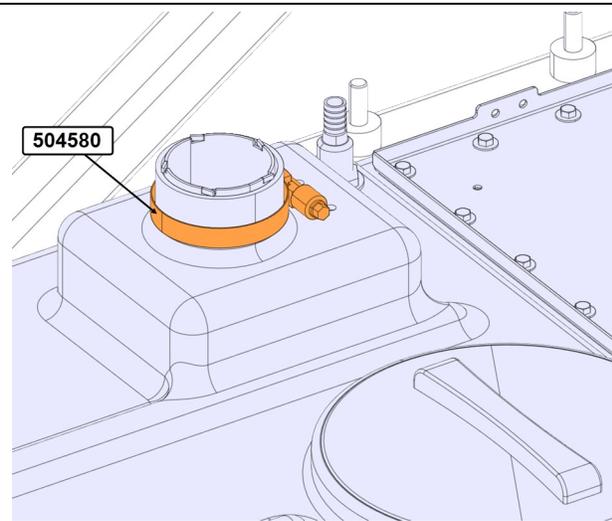


AUXILIARY TANK INSTALLATION

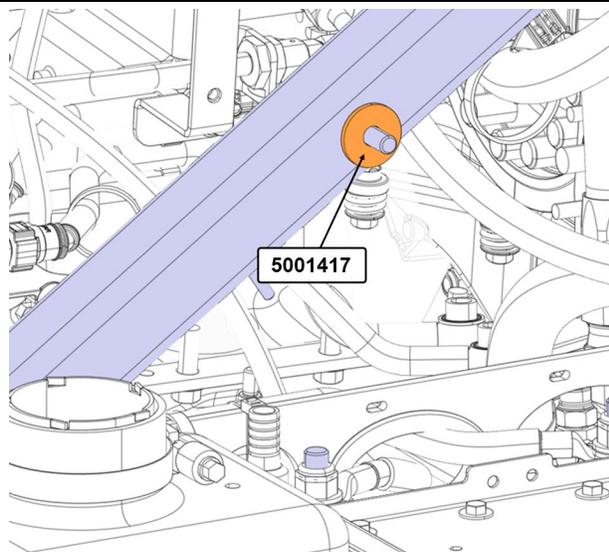
1. Install hose 405050 on tank valve assembly with clamp 504580.



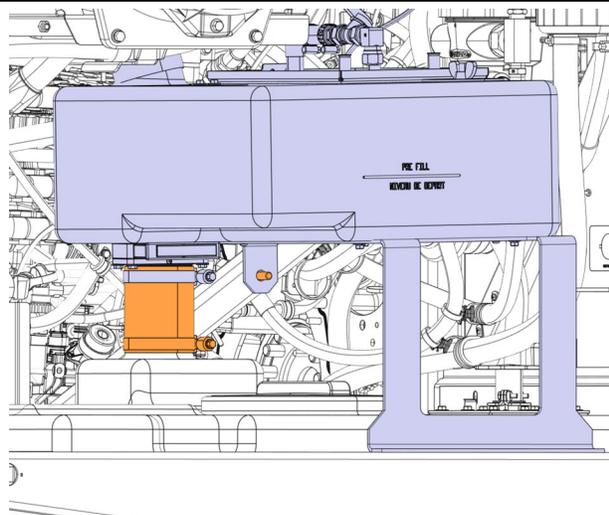
2. Place clamp 504580 on the main tank inlet. It will be tightened once the auxiliary tank is installed.



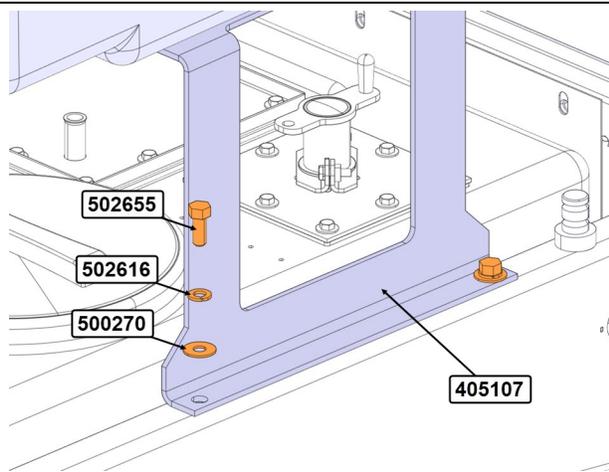
3. Install washer 5001417 on stud.



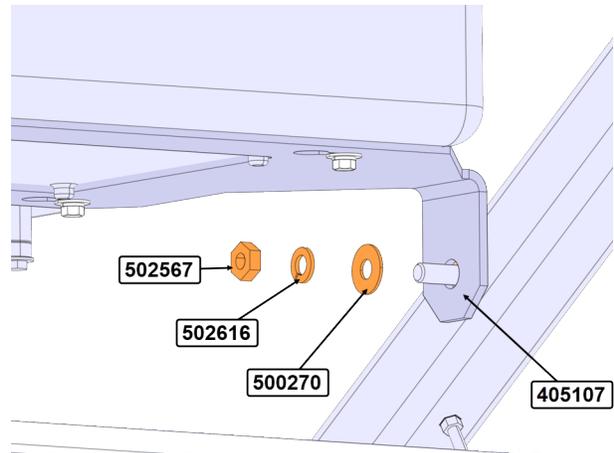
4. Insert the auxiliary tank into the vehicle.
Insert the pipe on the inlet of the main tank while inserting the support of the auxiliary tank on the stud of the structure tube.



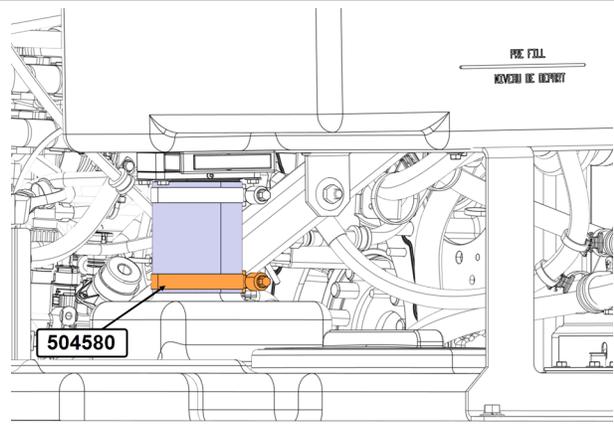
5. Secure the outside part of support 405107 to the structure using bolts 502655 (2x), lock washers 502616 (2x) and flat washers 500270 (2x).



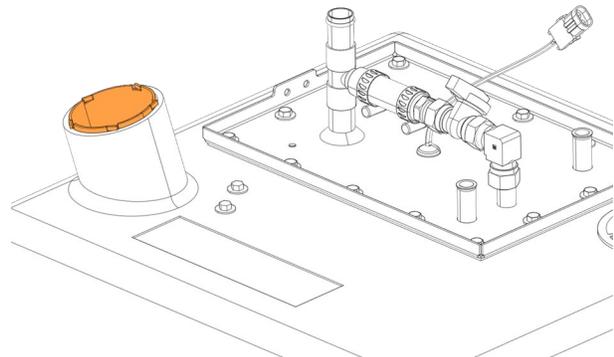
6. Secure the inside part of support 405107 to the stud with nut 502567 (1x), lock washer 502616 (1x) and flat washer 500270 (1x).



7. Tighten the clamp 504580 on the main septic tank inlet.



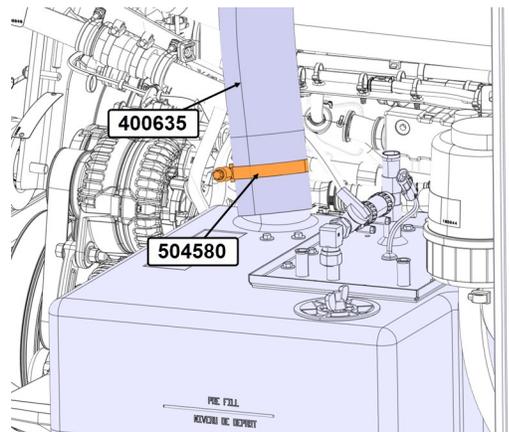
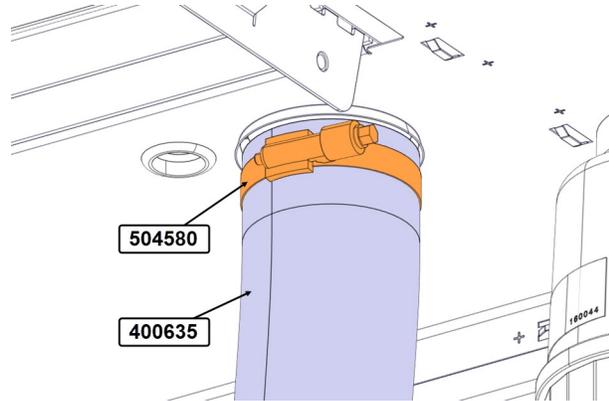
8. Ensure that the reinforcing sleeve supplied with the auxiliary reservoir is still in place.



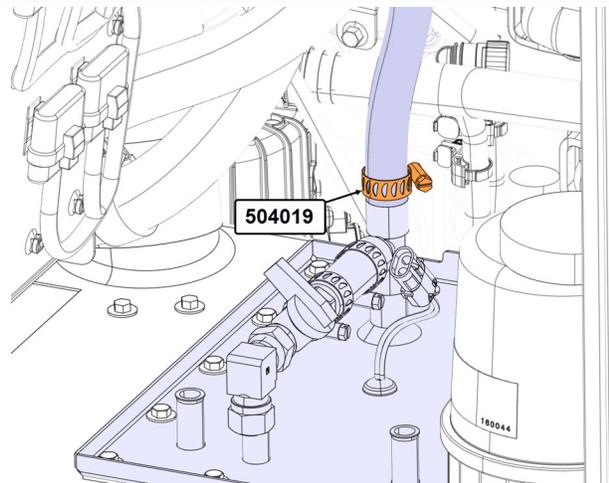
9. Install hose 400635 with clamp 504580 (2x) starting with the elbow part coming from the toilet before attaching the inlet part of the auxiliary tank.

Use soapy water to facilitate hose insertion.

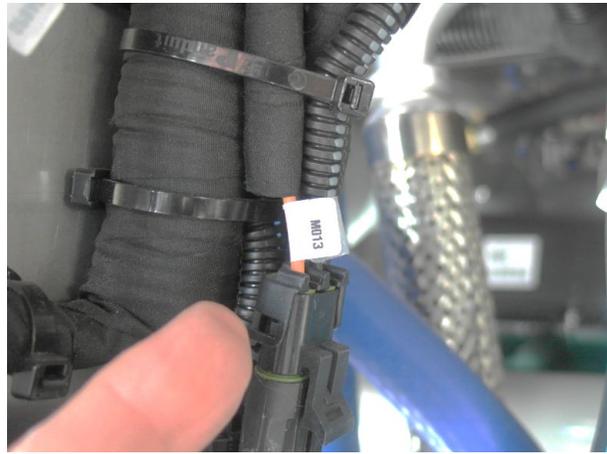
10. Tighten clamp.



11. Adjust the length of the existing pump hose and connect it to the pump's copper tube.
12. Connect the hose to the copper tube using a clamp 504019 and tighten.



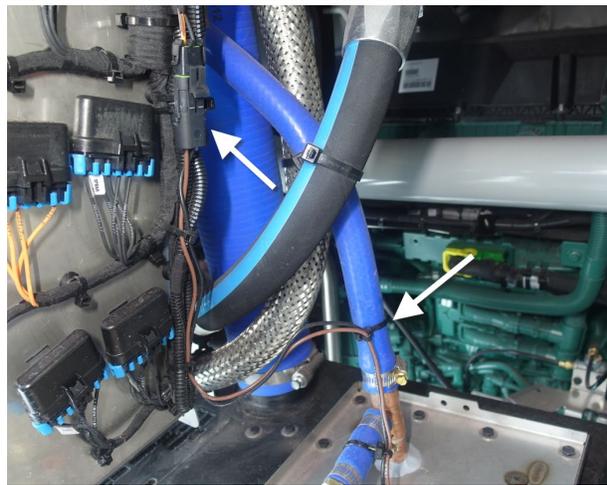
13. Connect pump to connector MO13.



14. Secure connectors with cable ties 504637 (5x).

15. Secure wiring to pump hose with double cable ties 507664 (5x).

16. Secure pump hose with double cable tie 504768(1x).



PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)