

SHURFLO PURGE PUMP RETROFIT KIT

ASI TECHNICAL GUIDELINE FOR 95-0404

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PURPOSE

This technical guideline provides instructions for the installation of a Shurflo purge pump retrofit kit. The kit can be installed in self-contained delivery systems manufactured prior to 10/07/2019 (SN 191008 or earlier).

PARTS INCLUDED

- Purge pump
- Purge hose with in-line filter

TOOLS REQUIRED

- Screwdriver, Phillips and flat head
- Wire cutters
- Wire stripper
- 3/8" wrench

IMPORTANT!

Before commencing on the following instructions, please read and follow all applicable warnings/cautions listed at the end of this technical guideline.

INSTRUCTIONS

- 1 Purge the suction canister before starting.
- 2 Turn off all power to the cart.
- 3 Disconnect the waste hose from the connection on the back of the cart.
- 4 Open back panel of unit using a flat head screwdriver. There are two quick-turn screws on the back of unit. Move suction tube and electrical cord out of the way of back door. (Fig. 1)

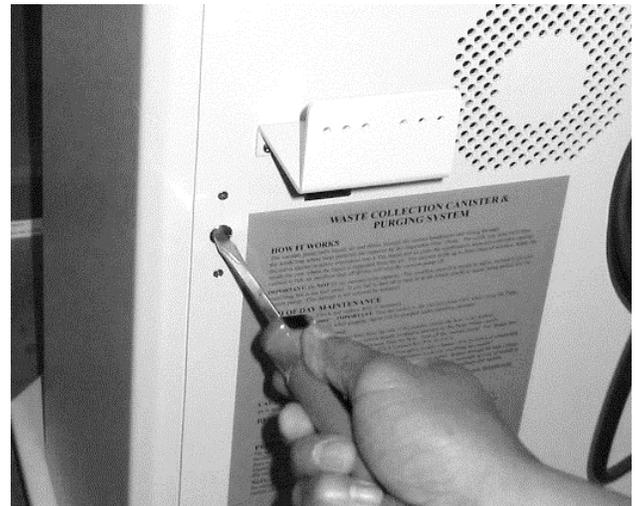


Fig. 1

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- 5 Disconnect the black purge hose from the purge port on the back of the chassis and the suction canister.



Fig. 2

- 6 On the terminal strip on the back inside of the chassis, remove the white purge pump wire.

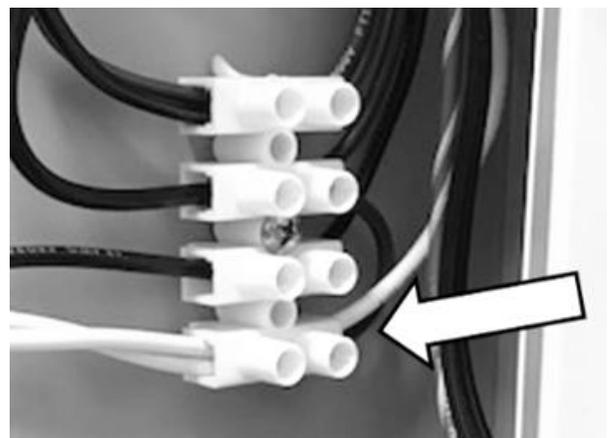


Fig. 3

- 7 Locate the blue and black wire from the purge pump and disconnect the brown wire.

i **OPTIONAL** – *Cut off the connector on the brown wire and strip the insulation off the brown wire 1/4".*



Fig. 4

- 8 Open the water housing and remove the two water bottles, using a Phillips head #2 screwdriver remove the four screws securing the purge pump to the chassis.

i **Hold onto the purge pump when removing the screws so it does not fall. (Fig. 6)**



Fig. 5

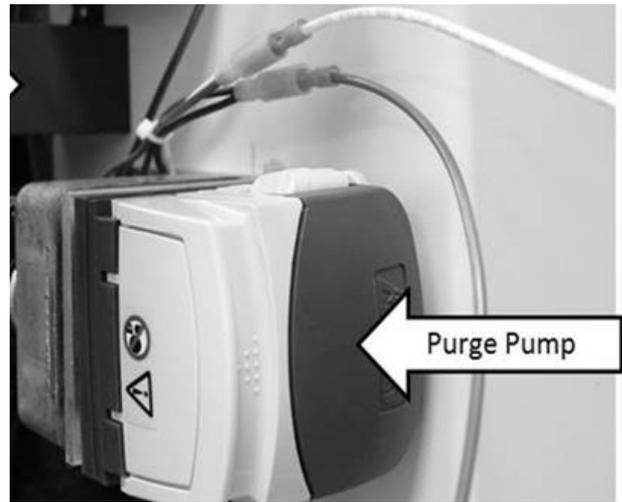


Fig. 6

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Install Shurflo purge pump

- 9 Run the two screws that came with the kit through the top two holes in the water housing.

While holding the screws in place slide the purge pump over the two screws, this will be a tight fit.

Secure the pump and screws using the provided lock nuts.

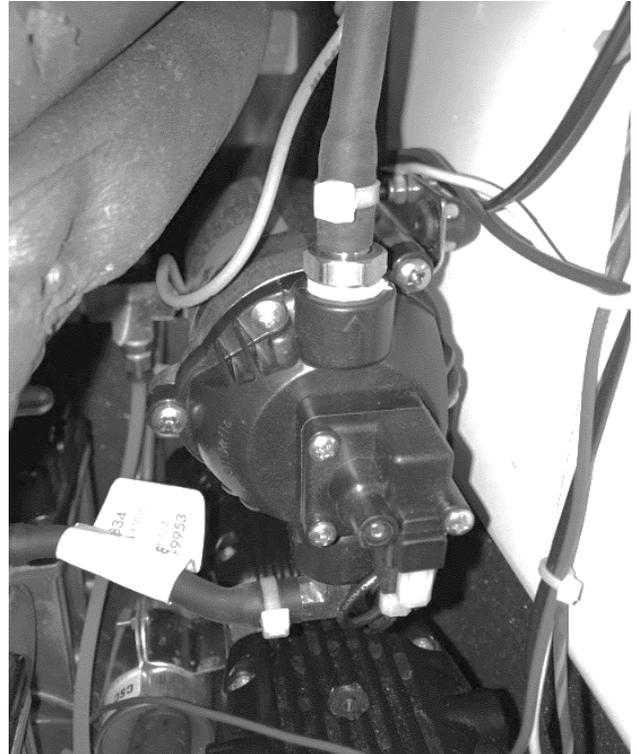


Fig. 7

- 10 Take the white wire from the purge pump and route it to the terminal strip on the back right of the cart. Install the white wire into the terminal strip in the same spot the previous white wire was removed, from step 6.

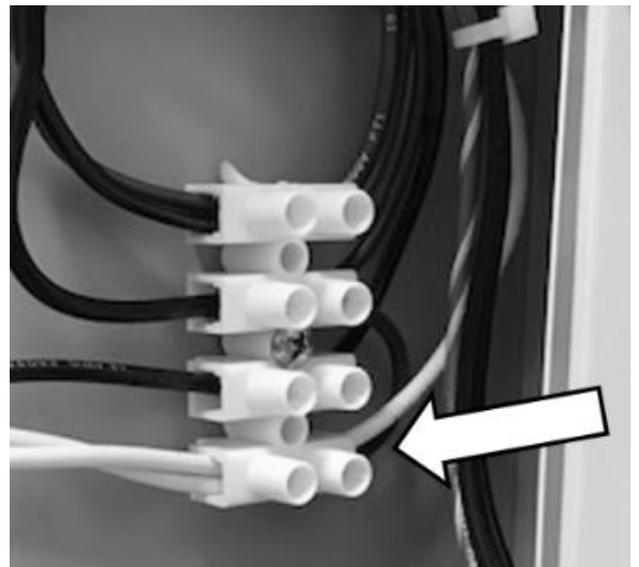


Fig. 8

- 11 Connect the brown wire, that was connected to the old purge pump, and connect to the black wire on the new pump using the provided connector.

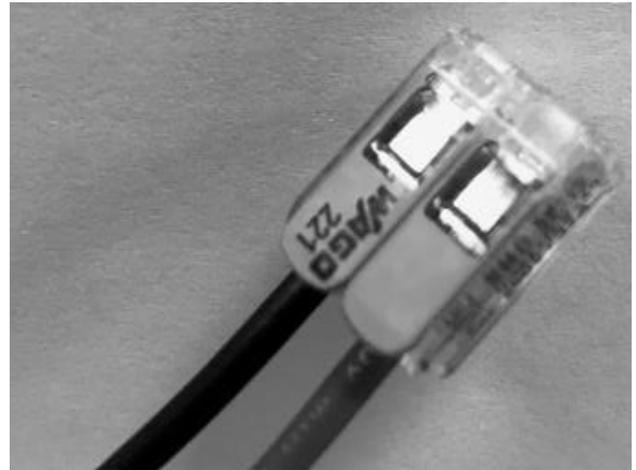


Fig. 9

- 12 Connect the purge tubing from the purge pump to the suction canister and the purge port.
- 13 Verify the system is liquid tight.
- 14 Re-install the external waste hose, remove the plug from the end cap and place the end of the hose in a sink or other disposal area.
- 15 Turn the cart and the vacuum ON.
- 16 Use the suction handpiece to fill the suction canister with water.
- 17 Turn on the purge pump and check for leaking.
- 18 Close and lock the back panel.

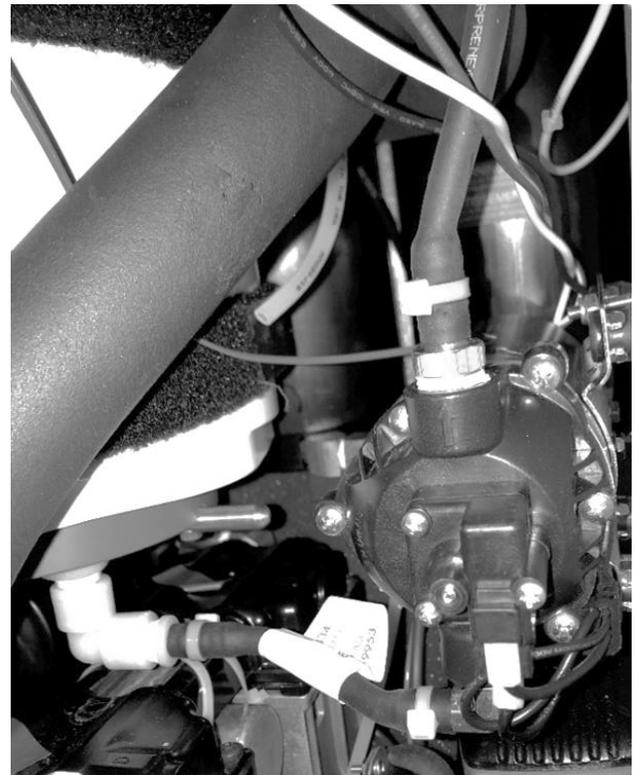


Fig. 10

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WARNINGS/CAUTIONS

In addition to observing the normal precautions associated with standard dental practices and procedures, the following additional precautions should be strictly noted and observed during the set-up, operation, and maintenance of this system.



WARNING

QUALIFIED PERSONNEL ONLY

The product should only be operated by qualified personnel only. The operator bears responsibility for the correct settings and proper use of the system. ASI Dental (ASI) cannot be held liable for any malfunction of this product, or performance failure and/or its designed or desired utility, nor can ASI be held liable for injuries to persons or animals, in any case when the device is misused or not operated, applied or maintained in strict accordance with user/owner instructions set out in the operation manual. In the event of any doubt or question, the user is to contact ASI for clarification or assistance.

Improperly maintained or operated systems or instruments may void the associated warranties.

AVERTISSEMENT

PERSONNEL QUALIFIÉ UNIQUEMENT

Le produit ne doit être utilisé que par du personnel qualifié. L'exploitant est responsable des réglages corrects et de l'utilisation correcte du système. ASI Dental (ASI) ne peut être tenu responsable de tout dysfonctionnement de ce produit, ou d'une défaillance de performance et/ou de son utilité conçue ou souhaitée, et ASI ne peut être tenu responsable des blessures aux personnes ou aux animaux, en tout cas lorsque l'appareil est mal utilisé ou pas utilisé, appliqué ou entretenu en stricte conformité avec les instructions de l'utilisateur/propriétaire énoncées dans le manuel d'utilisation. En cas de doute ou de question, l'utilisateur doit contacter ASI pour obtenir des éclaircissements ou de l'aide.

Des systèmes ou instruments mal entretenus ou mal exploités peuvent annuler les garanties associées.



WARNING

ELECTRICAL VOLTAGE

This system is powered by high voltage electricity. Like any other electrically powered device, if it is not used properly, it can cause electrical shock. Always plug the power cord into an electrical outlet with adequate fuse protection and proper grounding. In the event of a short circuit, grounding reduces the risk of shock by providing an escape wire for the electric current. Improper grounding of the unit can result in a risk of electric shock. Always unplug the unit before doing any service or repair to the unit.

AVERTISSEMENT

TENSION ELECTRIQUE

Ce système est alimenté par de l'électricité à haute tension. Comme tout autre appareil électrique, s'il n'est pas utilisé correctement, il peut provoquer un choc électrique. Branchez toujours le cordon d'alimentation dans une prise électrique avec une protection par fusible adéquate et une mise à la terre appropriée. En cas de court-circuit, la mise à la terre réduit le risque d'électrocution en fournissant un fil d'échappement pour le courant électrique. Une mauvaise mise à la terre de l'appareil peut entraîner un risque d'électrocution. Débranchez toujours l'appareil avant d'effectuer tout entretien ou réparation sur l'appareil.



WARNING

PRESENCE OF HEAVY METALS/AMALGAM

This system may be equipped with optional suction instruments. As part of dental procedures, particles of amalgam may be suctioned into the dental suction handpieces and collected within the system and trap filter.

AVERTISSEMENT

PRÉSENCE DE MÉTAUX LOURDS/AMALGAME

Ce système peut être équipé d'instruments d'aspiration en option. Dans le cadre de procédures dentaires, des particules d'amalgame peuvent être aspirées dans les pièces à main d'aspiration dentaire et collectées dans le système et le filtre piège.



WARNING

INFECTIOUS MATERIALS

Infectious disease workplace safety protocols to safeguard against cross contamination of infectious disease should always be observed. When maintaining the suction system or emptying the contents of the suction waste container, safe precautions and practices including the wearing of face mask, eye protection and gloves are to be followed.

AVERTISSEMENT

MATIERES INFECTIEUSES

Les protocoles de sécurité sur le lieu de travail contre les maladies infectieuses pour se prémunir contre la contamination croisée des maladies infectieuses doivent toujours être observés. Lors de l'entretien du système d'aspiration ou de la vidange du contenu du conteneur de déchets d'aspiration, des précautions et des pratiques de sécurité, notamment le port d'un masque facial, d'une protection oculaire et de gants, doivent être suivies.