

Part #: 9614  
Description: STS - 7 GPM Pump Kit Installation  
Date: 2/21/2021

## Instructions for Installing the 9614 STS 7 GPM Pump Kit

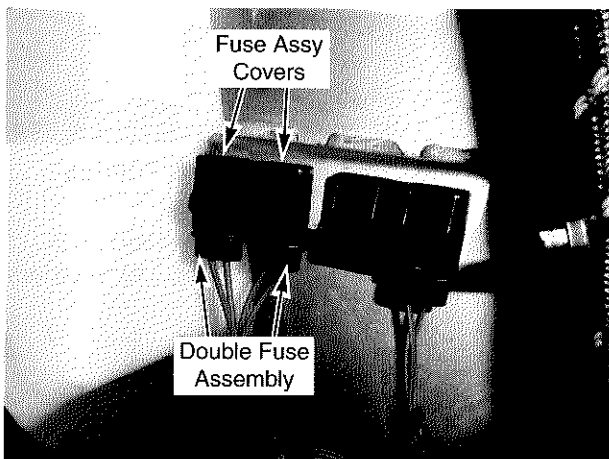
**-NOTE-**

*Please read through and become familiar with these instructions before beginning to install this kit.*

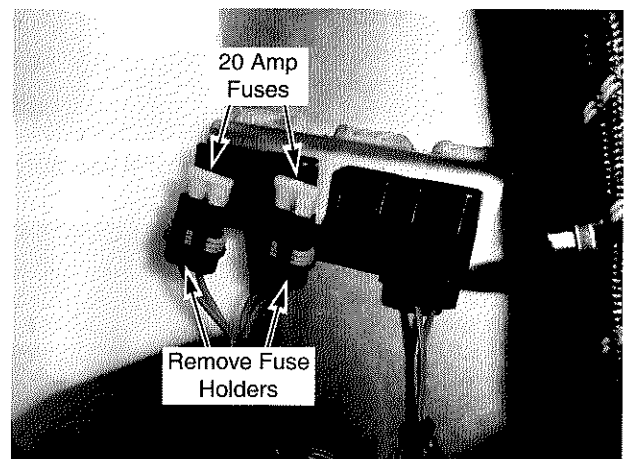
*The following tools are required for installation of the STS 7 GPM Pump Kit.*

- 1 - 1/2" wrench or socket with ratchet*
- 1 - 5/16" wrench or socket with ratchet*
- 2 - 7/16" wrenches*
- 1 - straight blade screwdriver*
- 1 - side cutter*

1. Prepare the machine so there is easy and safe access to the work area. Maintain all safety related work procedures. Stop the engine, make sure the ignition switch is in the OFF position and remove the ignition key. Wait for all moving parts to come to a complete stop. Always wear eye and hand protection.
2. Remove the operator pad from the handlebar weldment. Locate the double fuse assembly attached to the inside of the handlebar weldment on the right hand side. See Figure 1A. Remove the two (2) fuse holders with fuses from the fuse covers. See Figure 1B.



**Figure 1A. Double Fuse Assembly**



**Figure 1B. Remove Fuse Holders**

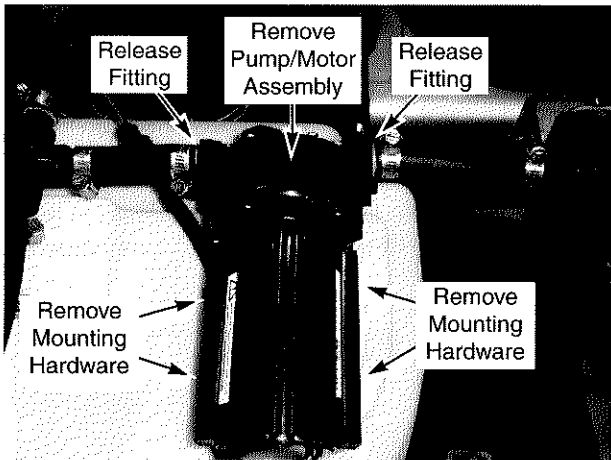
3. Open the left & right tank supply and return valves. Place the sprayer control switch in the "ON" position. With the sprayer pump motor running, remove the 20 amp fuses (one at a time) in order to identify which specific fuse provides voltage to the pump motor circuit. Once identified, replace the fuse for the pump motor circuit with one (1) 30 amp fuse provided with this kit.

Place sprayer control switch in the "OFF" position. Close the left & right tank supply and return valves. Reinstall the fuse holders into the fuse assembly covers. Reattach the operator pad to the handlebar weldment.

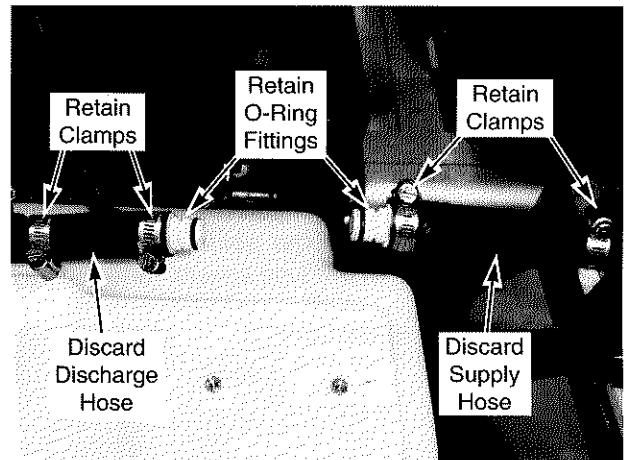
Part #: 9614  
 Description: STS - 7 GPM Pump Kit Installation  
 Date: 2/21/2021

- Disconnect the electrical supply lead for the pump motor at the connector provided in the machine wire harness.
- Remove and discard four (4) #10-24 x 1.0" hex head bolts and #10 flat washers used to secure the pump & motor assembly to the RH tank. Release and remove the quick-attach o-ring fittings from the pump assembly. Remove the pump & motor assembly from the machine. See Figure 2A.

Remove and retain the four (4) clamps used to secure the pump supply and discharge hoses. Remove and retain the o-ring fittings identified for reuse with the new pump. Discard the supply and discharge hoses. See Figure 2B.

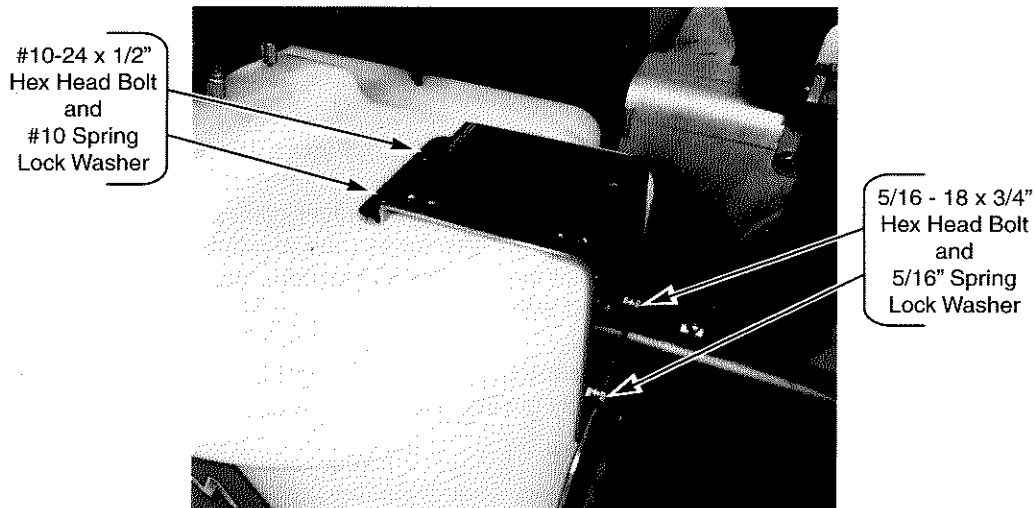


**Figure 2A. Remove Pump & Motor Assembly**



**Figure 2B. Retain Clamps & Fittings**

- Attach the pump mounting bracket to the RH tank and secure with two (2) 5/16-18 x 3/4" hex head bolts, two (2) 5/16" spring lock washers, two (2) #10-24 x 1/2" hex head bolts and two (2) #10 spring lock washers. Do Not tighten hardware at this time. See Figure 3.



**Figure 3. Install Pump Mounting Bracket**

Part #: 9614  
 Description: STS - 7 GPM Pump Kit Installation  
 Date: 2/21/2021

- Install the new supply hose (3-1/2" in length) and discharge hose (6" in length) provided with this kit as shown in Figure 4. Insert the quick-attach o-ring fittings removed in step 5 into the new hoses and place hose clamps onto the hoses. Do Not tighten hose clamps at this time. See Figure 4.

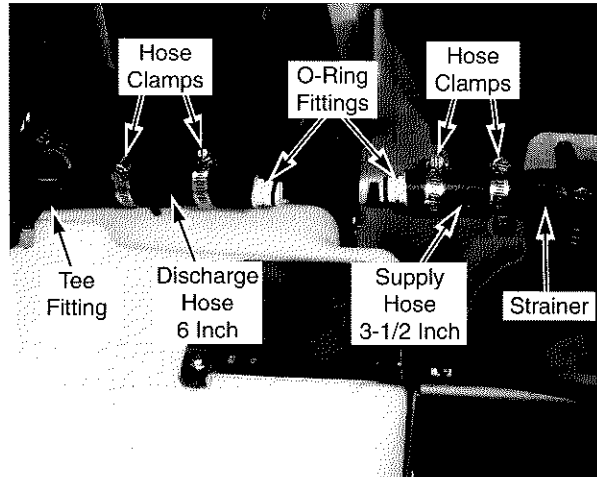


Figure 4. Install Hoses & O-Ring Fittings

- Install the supply and discharge hoses with quick-attach o-ring fittings to the 7 gpm pump & motor assembly supplied with this kit. Secure the fittings to the pump with the sliding locks. See Figure 5.

Secure the pump and motor assembly to the mounting plate with four (4) 1/4-20 x 1-1/2" hex head bolts, four (4) 1/4" flat washers and four (4) 1/4-20 elastic stop flanged nuts provided. Tighten motor mount hardware until rubber isolators begin to compress. Do Not over tighten. Tighten all remaining hardware and hose clamps. See Figure 5.

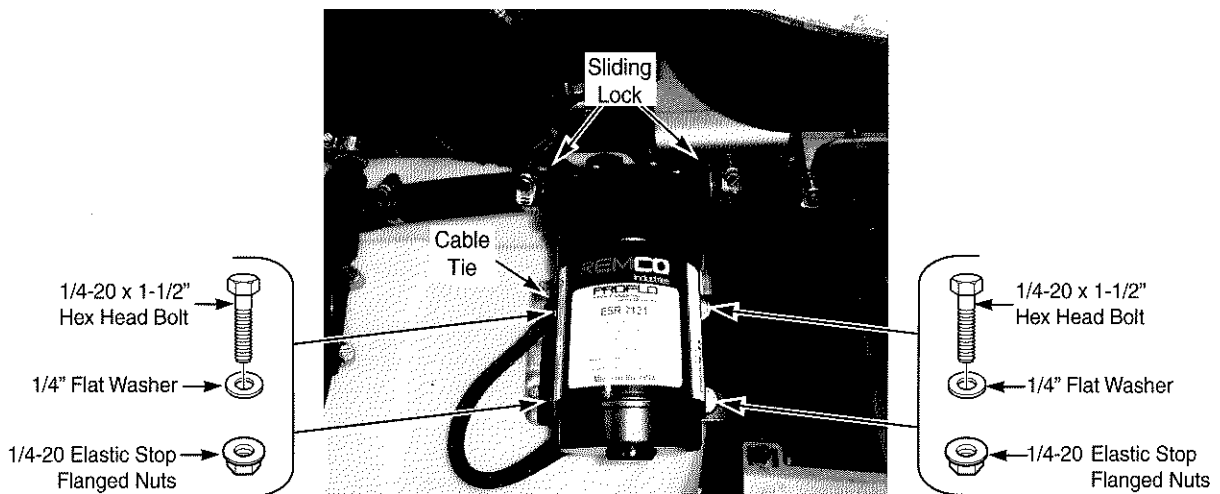


Figure 5. Install Pump & Motor Assembly

- Connect the pump electrical lead to the connector provided in the machine wire harness. Secure the electrical lead to the pump mounting plate with the cable tie supplied with this kit. Operate and test installation.