# 5680/5700/5700XP *ec-H2O*™ Kit

**This kit includes the necessary parts to convert a standard model into an *ec-H2O*™ model.**

## INSTALLATION INSTRUCTIONS:

**Installation Time: 5 Hours**

**Special Tools Required: Fish-Tape to route *ec-H2O* harness.**

### PREPARE MACHINE FOR KIT INSTALL:

1. Drain the solution tank and recovery tank.
2. Park the machine on a level surface. Lower the scrub head and remove the key.

**FOR SAFETY: Before installing kit, disconnect battery cables.**

3. Remove the front shroud.
4. Disconnect the actuator at the scrub head.
5. Remove the actuator roller guide brackets and discard (Figure 1).

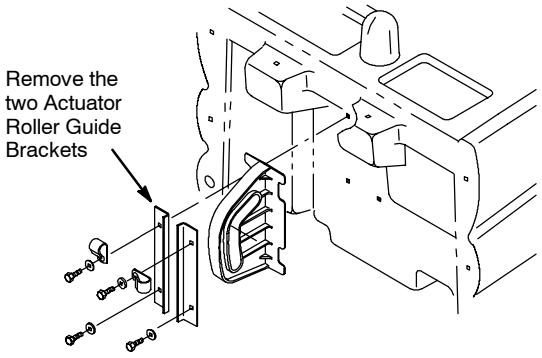



**Fig. 1**

6. Install the *ec-H2O* module bracket, pump bracket and clamps as shown (Figure 2).

**NOTE:** Do not tighten the top screws w/ clamps at this time. You will need to open the clamps later to route *ec-H2O* wire harness through clamps.

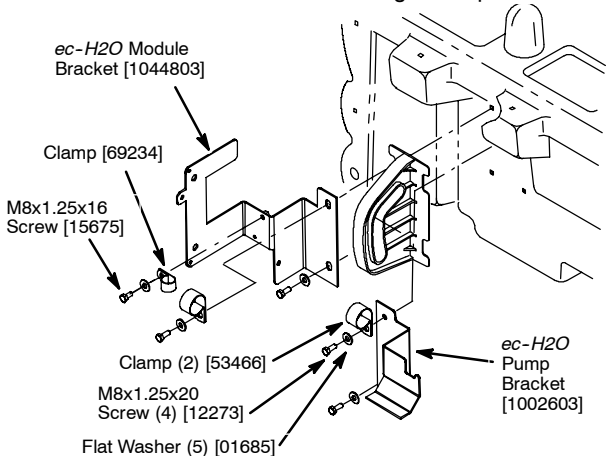



**Fig. 2**

### INSTALL *ec-H2O* WIRE HARNESS:

1. Using a Fish-Tape, route the *ec-H2O* wire harness through the harness channel along side the machine's main wire harness (Figure 3). Pull the harness from the front of the machine to the back (Figure 3).

   p/n 1044831 - 5680 *ec-H2O* Wire Harness
   p/n 1044833 or 1055478 - 5700 *ec-H2O* Wire Harness

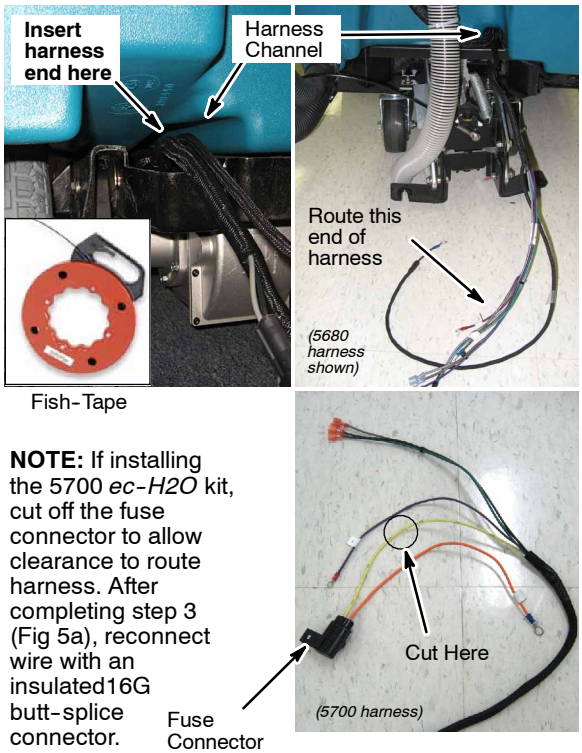



**Fig. 3**

2. Open the control console to access the internal wiring (Figure 4). Two screws secure console.

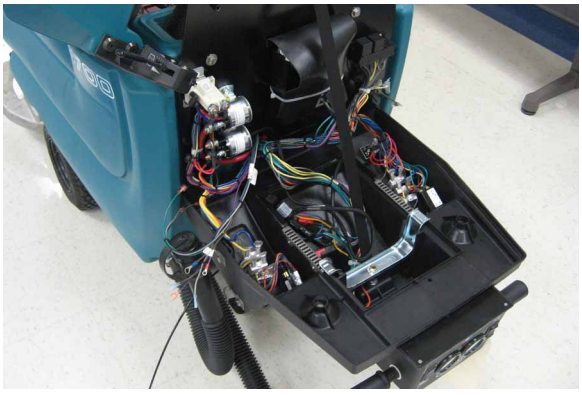


**Fig. 4**

# 5680/5700/5700XP *ec-H2O* Kit INSTALLATION INSTRUCTIONS - Continued

3. Continue routing the *ec-H2O* harness up into the control console (Figure 5a). If installing the 5680 *ec-H2O* kit, route the battery ground wire into the battery compartment (Figure 5b).

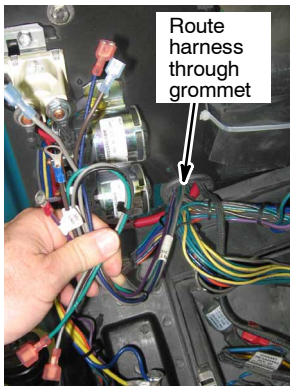



Fig. 5a




Fig. 5b

## 5680 MODEL - INSTALL THE *ec-H2O* CONTROL CONSOLE COMPONENTS:

1. Remove and discard the left side cover plate and install the *ec-H2O* control console components as shown (Figure 6). Reinstall hour and battery meters.

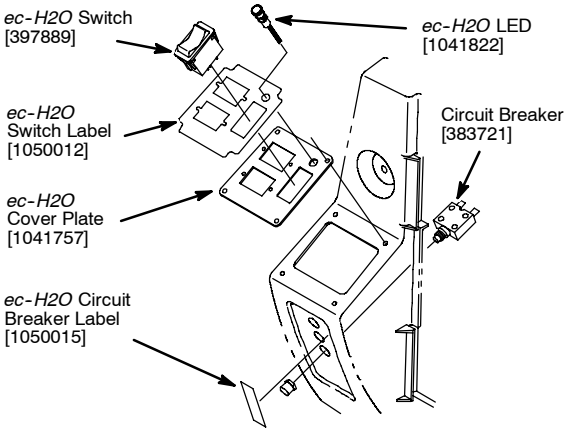



Fig. 6

2. Connect the routed *ec-H2O* harness wires to the control console components as shown. Locate the factory installed wires (Gray 8, Green 25) and connect to *ec-H2O* switch (Figure 7).

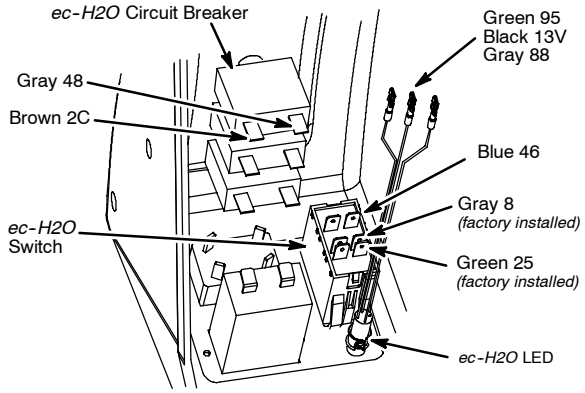



Fig. 7

3. Connect the remaining *ec-H2O* harness wires to the contactor terminals as shown (Figure 8). After connecting harness, close the control console.

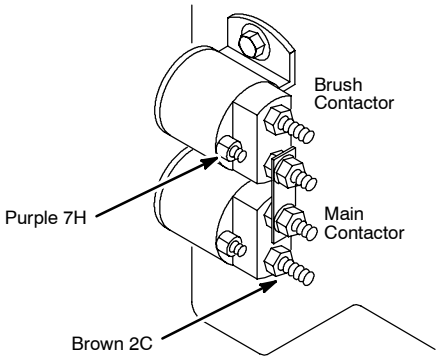



Fig. 8

## 5700/5700XP MODEL - INSTALL THE *ec-H2O* CONTROL CONSOLE COMPONENTS:

1. Install the *ec-H2O* control console components as shown (Figure 9). Use the *ec-H2O* switch label as a template and drill a 5/16" hole into the control console for the *ec-H2O* LED light.

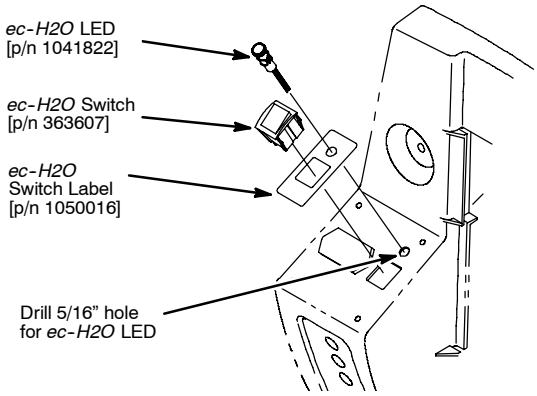



Fig. 9

2. Connect the routed *ec-H2O* harness wires to the *ec-H20* LED as shown. Locate the factory installed wires (Purple 27, Org 24, Grn 48) and connect to *ec-H2O* switch as shown (Figure 10).

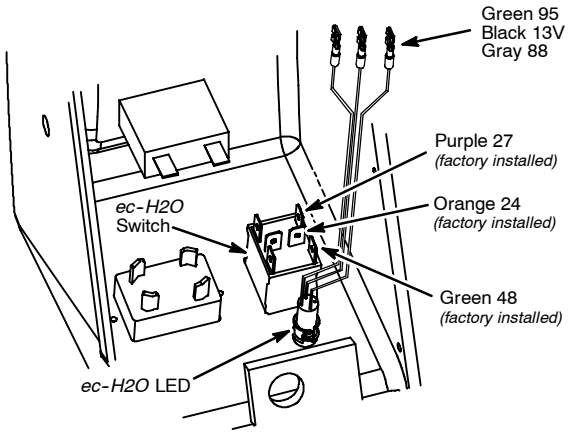



Fig. 10

# 5680/5700/5700XP *ec-H2O* Kit
# INSTALLATION INSTRUCTIONS - Continued

3. Connect the remaining *ec-H2O* harness wires to the contactor terminals as shown (Figure 11). After connecting harness, close the control console.

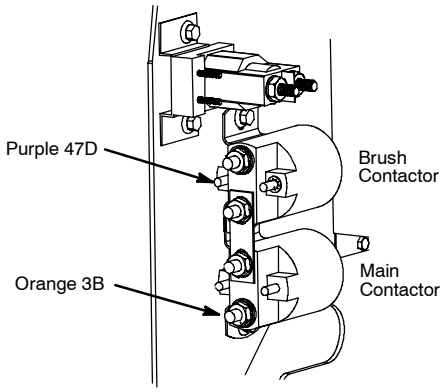



**Fig. 11**

## INSTALL THE *ec-H2O* SOLUTION SYSTEM:

1. Install the in-line filter to the bottom of the solution tank as shown (Figure 12). Use a thread sealer tape on all fittings.

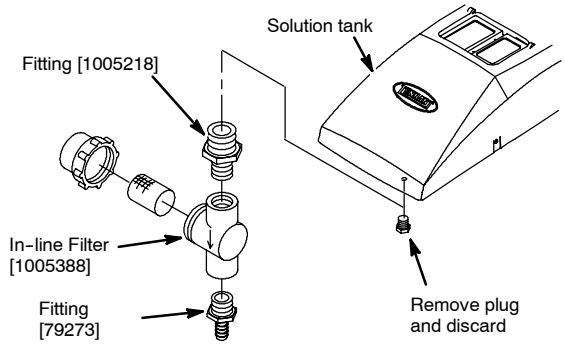



**Fig. 12**

2. Assemble the pump fittings as shown and connect the pump to the pump bracket (Figure 13). Use a thread sealer tape on all fittings.

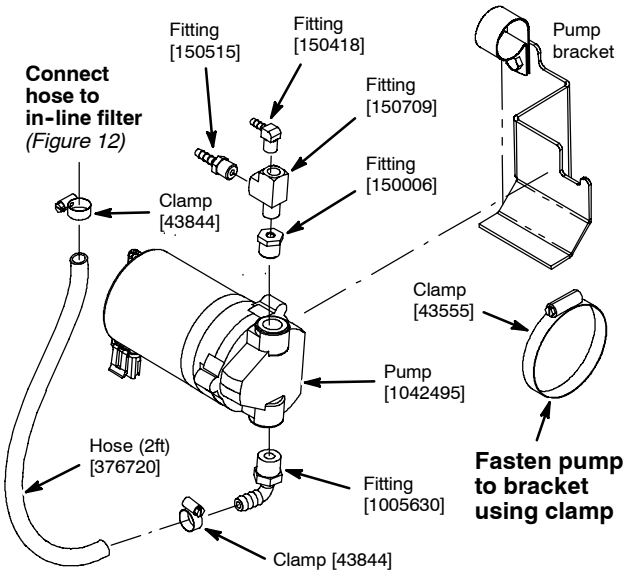



**Fig. 13**

3. Cut the two *ec-H2O* module hoses as specified (Figure 14).

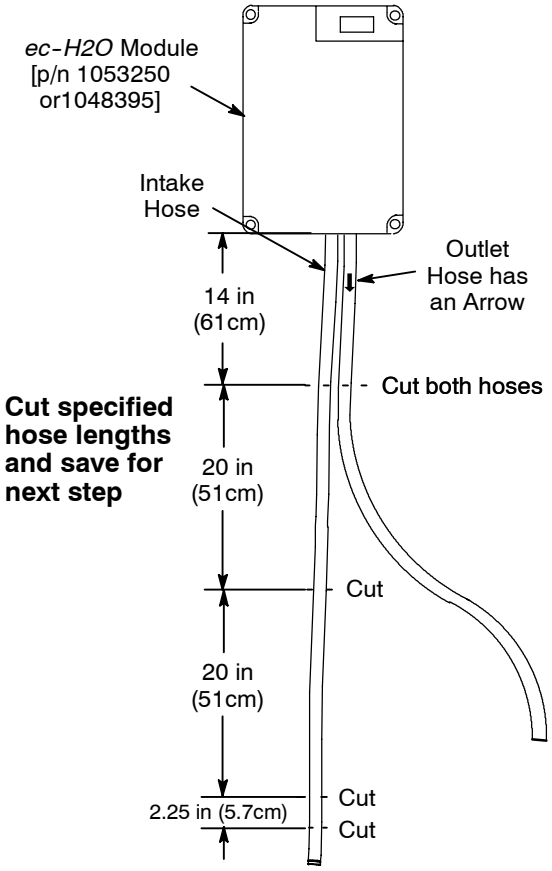



**Fig. 14**

4. Assemble the *ec-H2O* solution hose system as shown (Figure 15). Use a thread sealer tape.

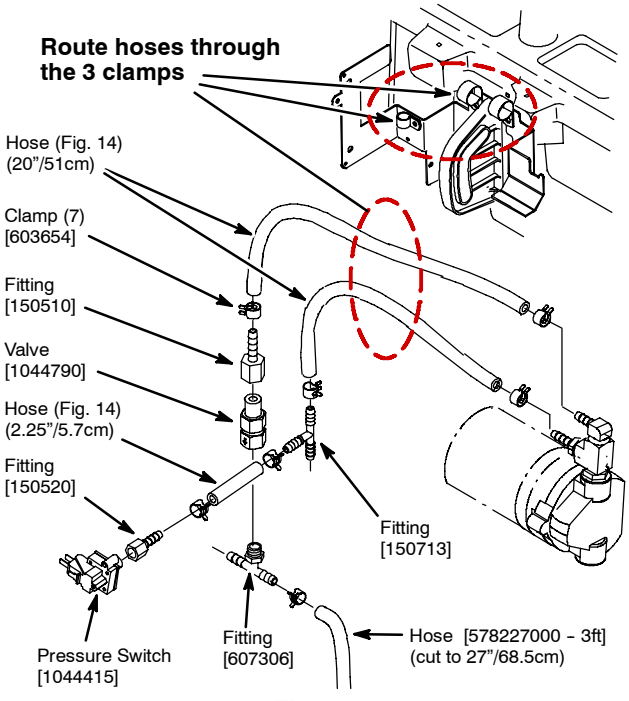



**Fig. 15**

# 5680/5700/5700XP *ec-H2O* Kit
# INSTALLATION INSTRUCTIONS - Continued

5. Continue to assemble the *ec-H2O* solution hose system as shown (Figure 16). Use thread sealer tape on all fittings.

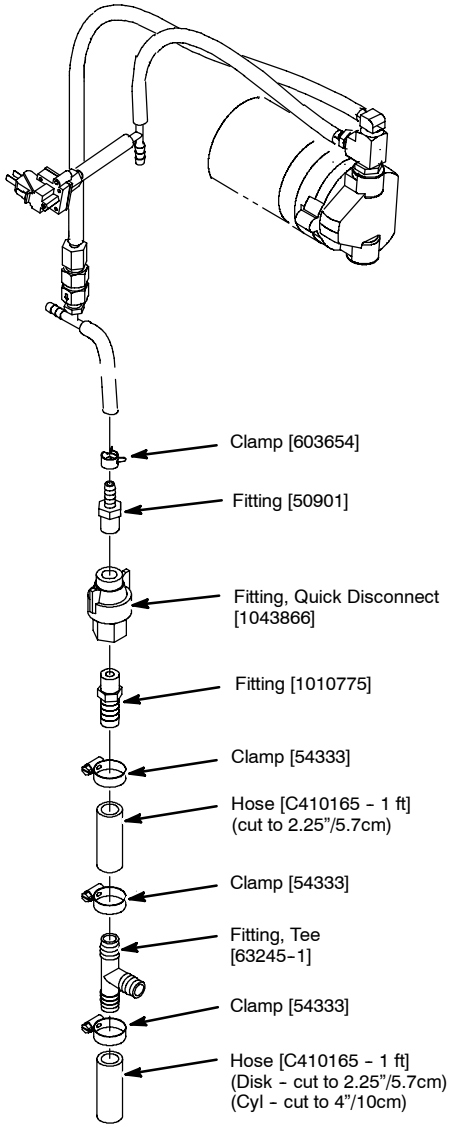



**Fig. 16**

6. Mount the *ec-H2O* module and the horn to the module bracket as shown (Figure 17).

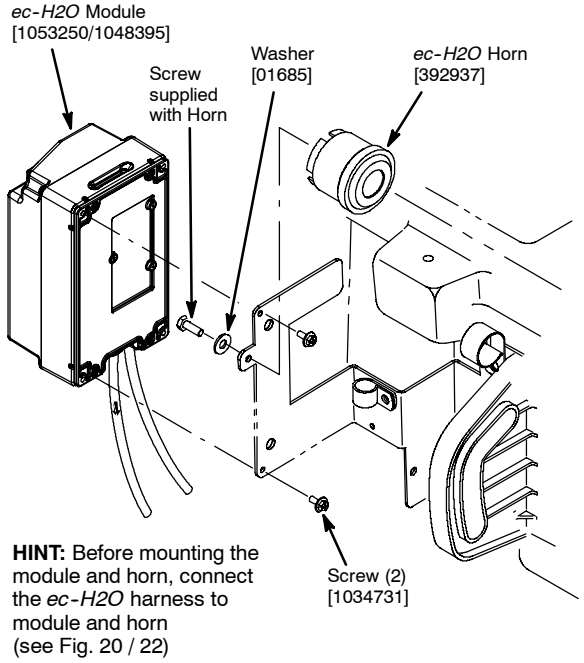



**Fig. 17**

7. Connect the *ec-H2O* module hoses to the *ec-H2O* solution system as shown (Figure 18).

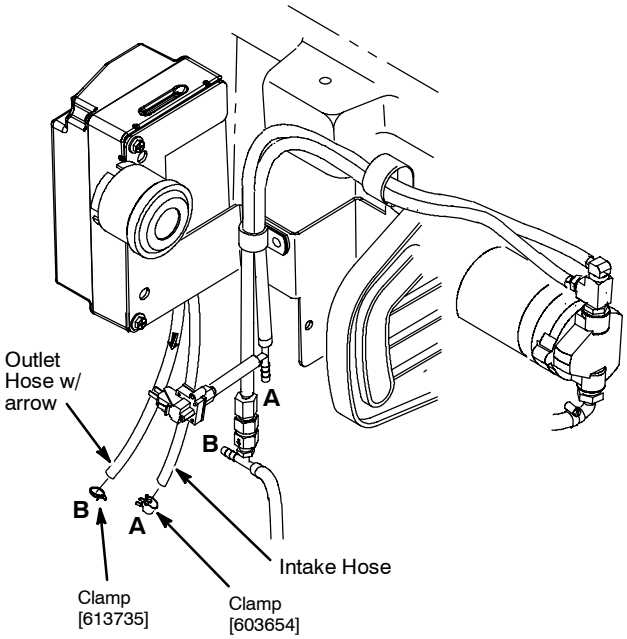



**Fig. 18**

# 5680/5700/5700XP *ec-H2O* Kit INSTALLATION INSTRUCTIONS - Continued

9. Set the module dip switches accordingly and install grommet (Figure 19).

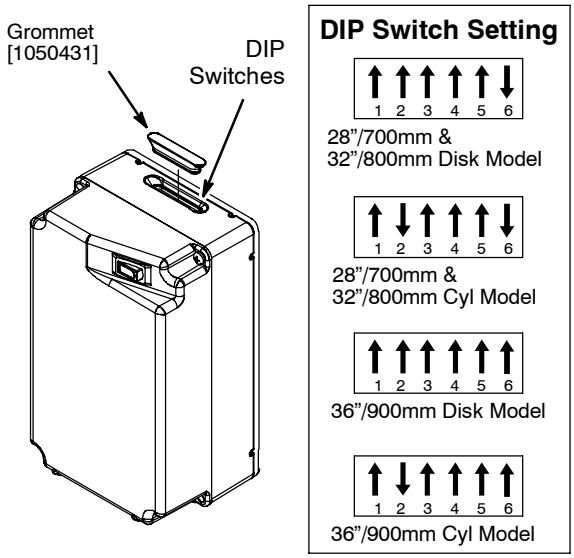



**Fig. 19**

## 5680 MODEL - CONNECT THE *ec-H2O* WIRE HARNESS TO KIT COMPONENTS:

1. Connect the routed *ec-H2O* wire harness to the *ec-H2O* components as indicated (Figure 20). Route the pump wire connector through the two hose clamps as indicated.
2. Connect the capacitor plug [p/n 1040868] to the *e-H2O* wire harness as shown (Figure 20).

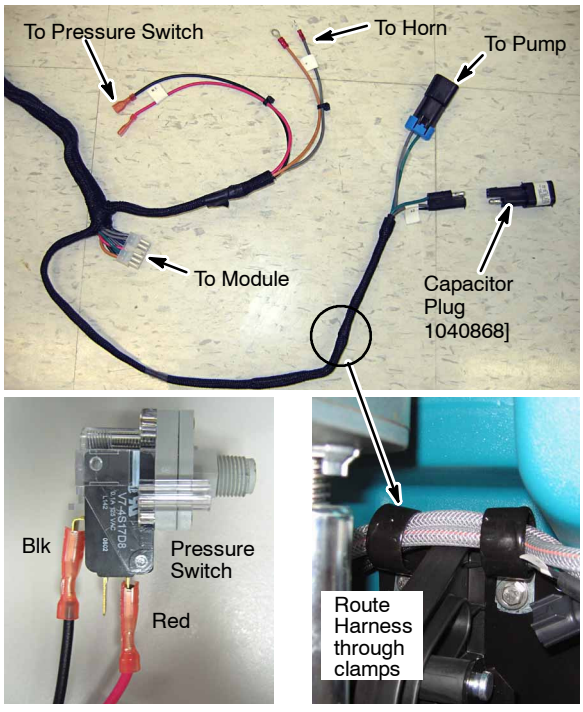



**Fig. 20**

3. Secure the *ec-H2O* wire harness to the machine using the two wire-ties provided [p/n 130773].

## 5700/5700XP MODEL - CONNECT THE *ec-H2O* WIRE HARNESS TO KIT COMPONENTS:

1. Locate the open plug connector on the main wire harness near the scrub head (Figure 21).

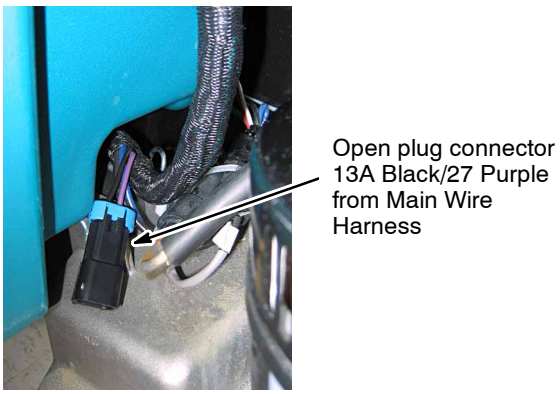



**Fig. 21**

2. Connect the routed *ec-H2O* wire harness to the *ec-H2O* components as indicated (Figure 22). Route the pump wire connector through the two hose clamps as indicated.
3. Connect the capacitor plug [p/n 1040868] to the *e-H2O* wire harness as shown (Figure 22).

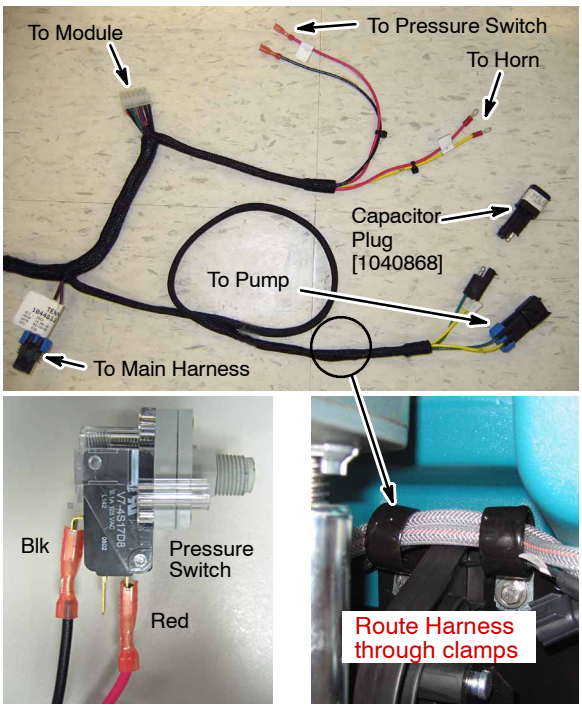



**Fig. 22**

4. Secure the *ec-H2O* wire harness to the machine using the two wire-ties provided [p/n 130773].

# 5680/5700/5700XP *ec-H2O* Kit INSTALLATION INSTRUCTIONS - Continued

## SCRUB HEAD ASSEMBLY:

### Disk Model:

1. Reconnect the actuator to the scrub head.
2. Connect solution hoses to the scrub head as shown (Figure 23).

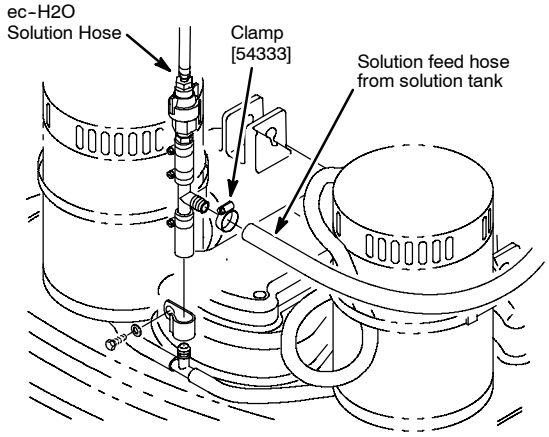



**Fig. 23**

3. Replace the front machine shroud and reconnect the battery cable.

### Cylindrical Brush Model:

Spray Bar Kit required:

9006743 -For 700mm Cyl Brush Model
9006744 -For 800mm Cyl Brush Model
9006745 -For 900mm Cyl Brush Model

1. Remove the hose guide bracket and the T-fitting from the scrub head and discard (Figure 24).

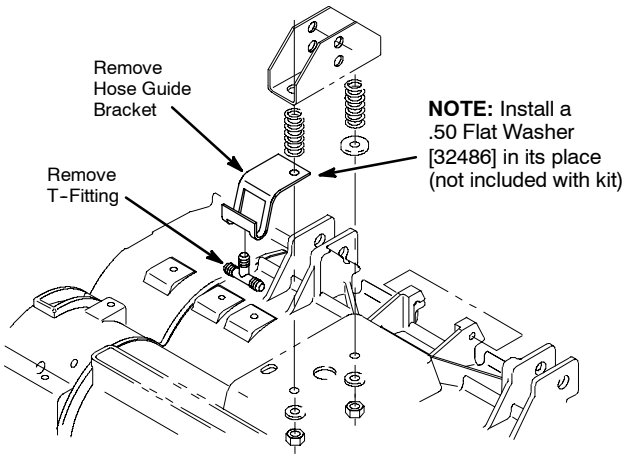



**Fig. 24**

2. Reconnect the actuator to the scrub head.
3. Install spray bar kit and connect solution hoses as shown (Figure 25).

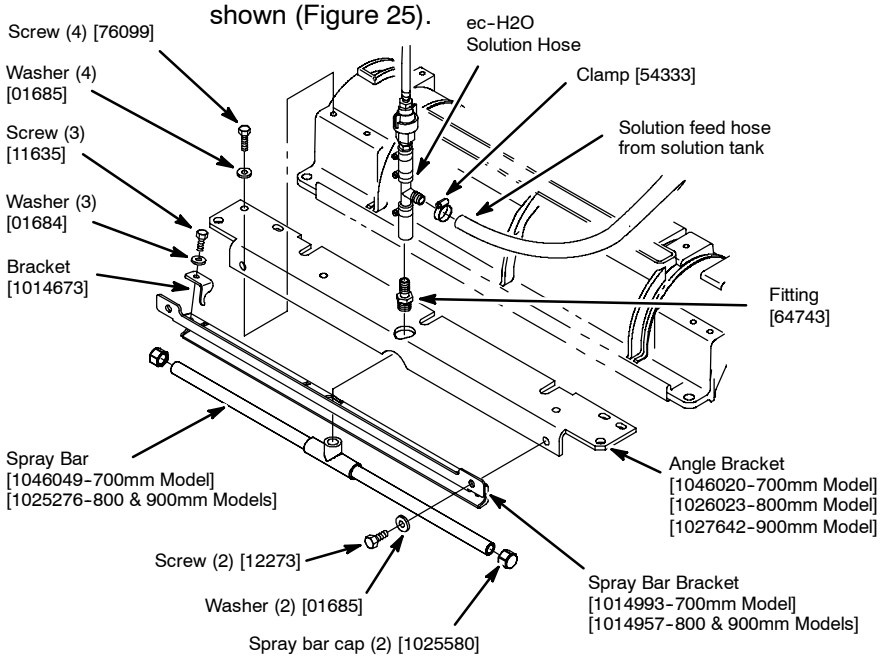



**Fig. 25**

4. Replace the front machine shroud and reconnect the battery cable.

# 5680/5700/5700XP *ec-H2O* Kit INSTALLATION INSTRUCTIONS - Continued

## APPLY THE *ec-H2O* LABELS:

Remove the existing labels and apply the new *ec-H2O* labels on the machine as described below (Figure 26).




**Fig. 26**

## OPERATE THE *ec-H2O* SYSTEM:

To ensure the *ec-H2O* system is operating properly, perform the following:

1. Fill solution tank with cool clean water (less than 70°F/21°C). Do not add any conventional floor cleaning detergents, system failure may result.
2. Turn the key to the on ( I ) position.
3. Press the *ec-H2O* system button to the on ( I ) position.
4. The *ec-H2O* system indicator light will not turn on until you begin scrubbing with the machine (Figure 27).

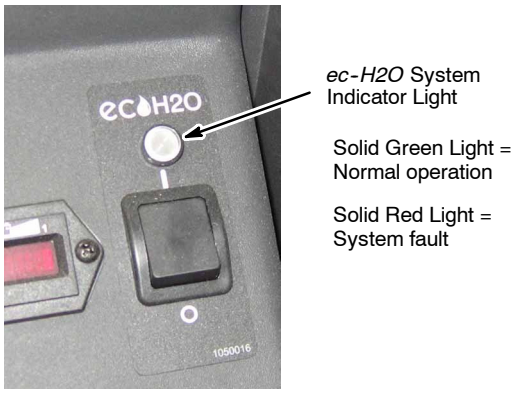



**Fig. 27**

4. Check all hose connections for water leaks.

If storing the machine in freezing temperatures, make sure all water is removed from the machine, including the the *ec-H2O* module.