

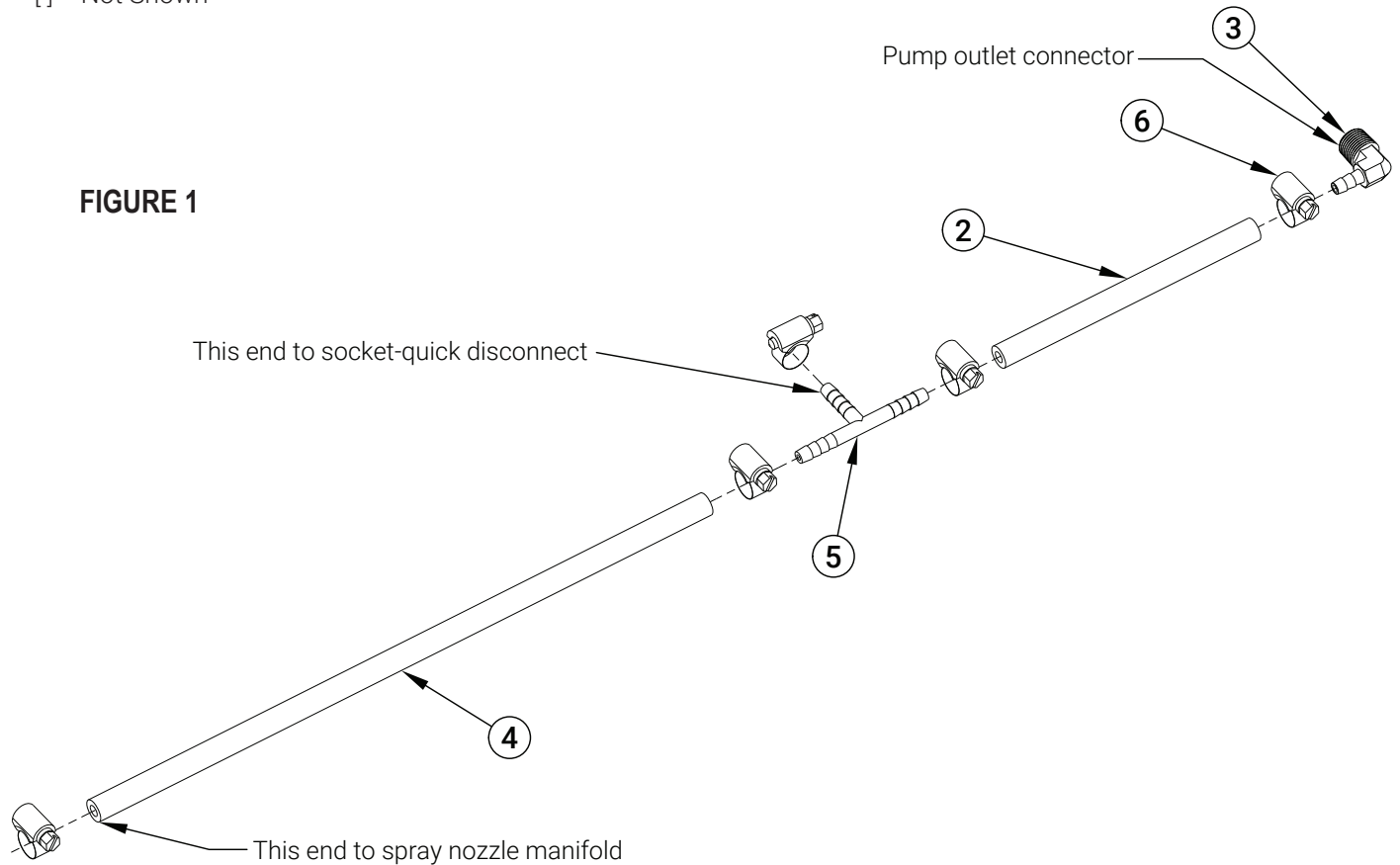
56315545 Barb Fitting Kit

Models: ES300 ST/XP, ES400 XLP, EX40 16ST/18LX,
ES4000

CONTENTS OF KIT

Item	Ref. No.	Qty	Description
[1]	56090548	1	Instruction Sheet
2	56249342	1	Tube E00160
3		1	Fitting-Brass-Barbed-Hose-3/8
4	56456560	1	Hose E00160 15"
5	56508441	1	Tee-1/4 ID Hose-Barb
6	56756364	5	Clamp- Hose SAE 4

[] = Not Shown



SUMMARY

The purpose of this document is to guide you on how to remove a double barb connector that is no longer available and replace it with the items in this kit. An important step is to allow the Loctite to **cure for 72 hours** before completing installation.

SPECIALTY TOOLS REQUIRED

- Loctite® "No More Leaks™" 1537780

Preparation step

Cut Hose (4) to Proper Length

Hose (4) in the kit is 15" long. Some applications require the hose to be cut to a length of 10.5".

1. Identify Hose (4) from the kit, see Figure 1 on Page 1.
2. Check the table below and locate your machine. If necessary cut the hose to 10.5" length. For all other machines leave the hose at the full length of 15".

Model #	Hose Length	Model Name
56265500	10.5"	ES300 XP
56265501	10.5"	ES400 XLP
56265502	15"	ES300 ST
56265503	15"	ES300 NILFISK
56265504	15"	CLARKE EX40 16ST
56265505	15"	CLARKE EX40 18LX
56265506	15"	ES300 ST NILFISK
56265507	10.5"	ES300 XP NILFISK
56265508	10.5"	ES400 XLP NILFISK
56344200	10.5"	ES4000
56344210	10.5"	ES4000

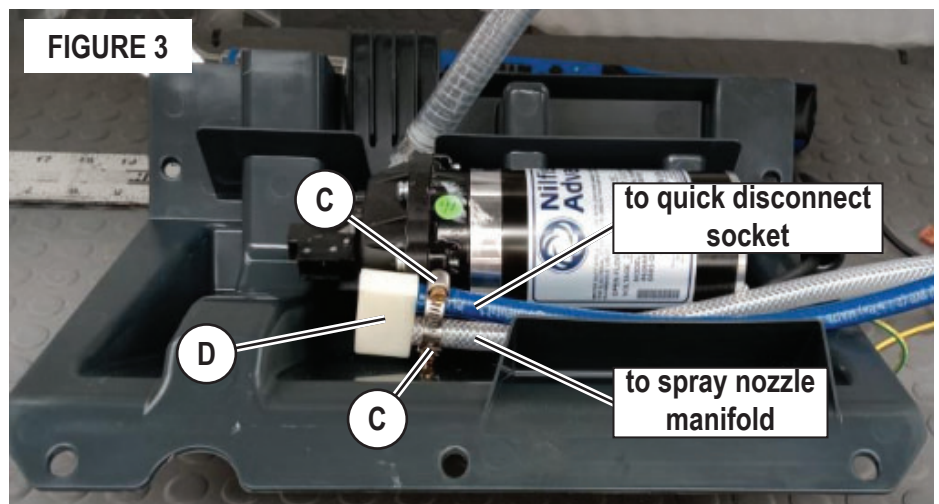
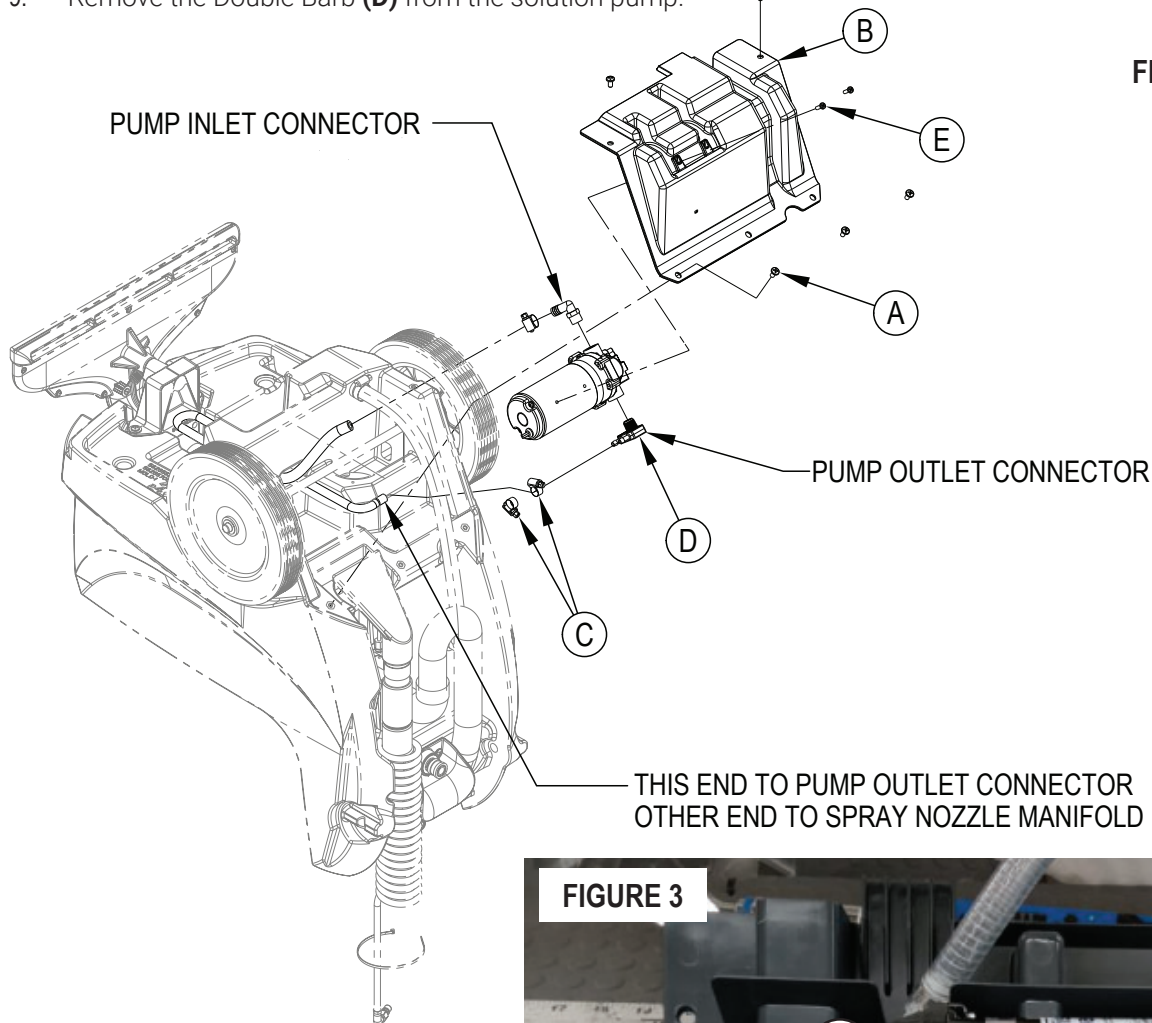
Installation Instructions: Walk-behind extractors (for ES4000 start at page 6)

Back Cover Removal

⚠ CAUTION!

Turn machine OFF at main power switch before servicing.

3. Unplug machine.
4. Drain recovery and solution tanks.
5. Remove the recovery tank from the machine.
6. **See Figure 2.** Remove the five Screws **(A)** that secure Back Cover **(B)** to machine base.
7. **See Figure 3.** Loosen the two Hose Clamps **(C)** and disconnect hoses going to Double Barb **(D)**.
8. Separate the solution pump from the back cover by removing two Screws **(E)**.
9. Remove the Double Barb **(D)** from the solution pump.



Install New Fitting to Solution Pump

10. See Figure 4. Test fit the new brass Fitting (3) into the solution pump then remove.
11. Apply Loctite "No More Leaks" 1537780 to the threads of Fitting (3) and install into solution pump outlet. Orientate fitting as shown and allow to cure for 72 hours.

⚠ IMPORTANT!

Allow Loctite to cure for **72 hours** for leakproof fitting.

12. Slide one Hose Clamp (6) onto Hose (2) then install the hose on to the end of Brass Fitting (3) and tighten hose clamp.

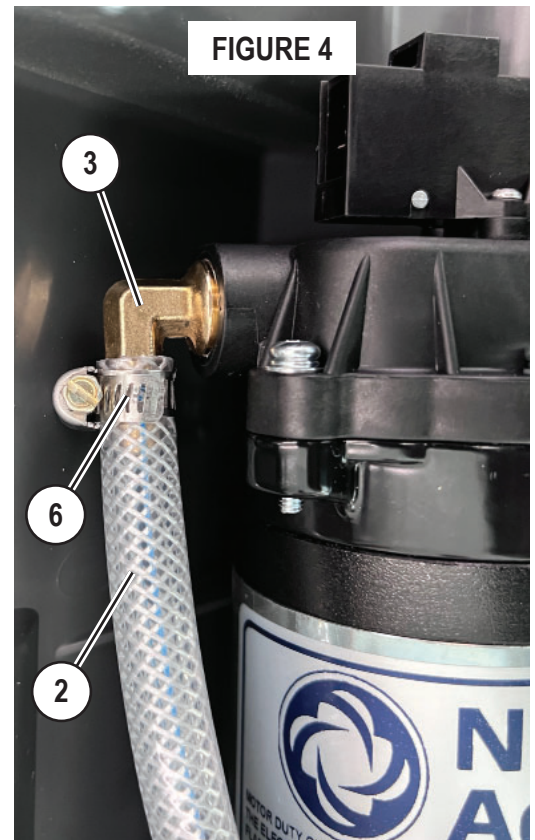


FIGURE 4

Replace Hose at Spray Nozzle Manifold

13. See Figure 5. Remove Screw (F). The base can stay flat on the floor and lay the machine on its back giving access to the top of the base.
14. Remove four Screws (G) and remove Electrical Cover (H) and Gasket (I).
15. Disconnect existing hose going to Spray Nozzle Manifold (J).
16. Connect new Hose (4) to Spray Nozzle Manifold (J) secure with Hose Clamp (6).
17. Reinstall Electrical Cover (H) and Gasket (I) with four Screws (G).
18. Close the base and the rest of the machine. Reinstall Screw (F).

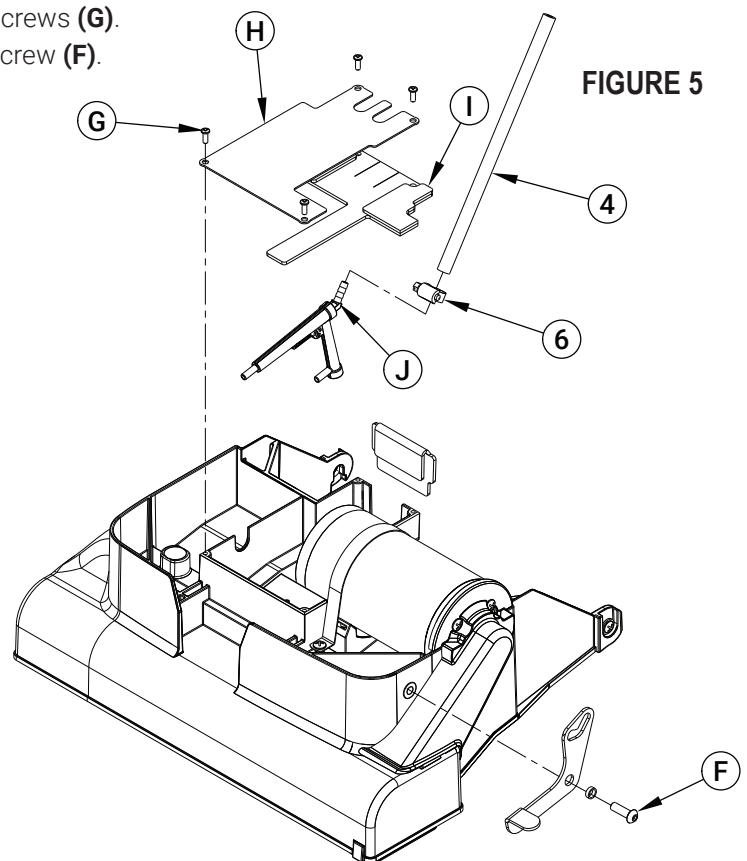
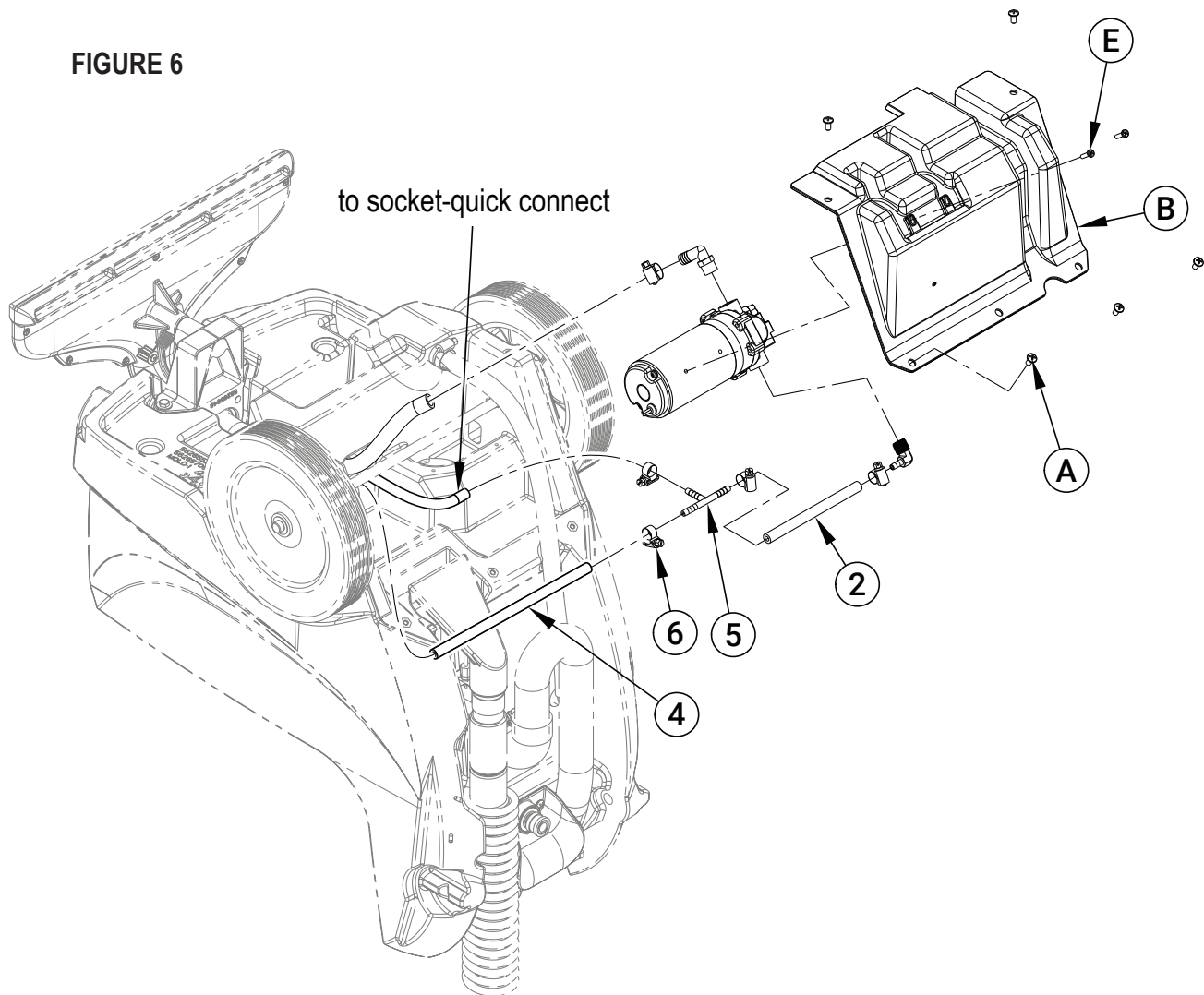


FIGURE 5

Hose Assembly

19. See Figure 6. Assemble Tee-Hose Barb (5) to Hose (2) and secure with a Hose Clamp (6).
20. Secure Hose (4) and quick connect hose to Tee-Hose Barb using Hose Clamps (6).
21. Reattach solution pump to Cover (B) using Screws (E).
22. Reassemble cover and pump to the machine using five Screws (A).
23. Stand the machine back up on its base and reinstall the recovery tank. This completes the installation for extractors.

FIGURE 6



Installation Instructions: ES4000

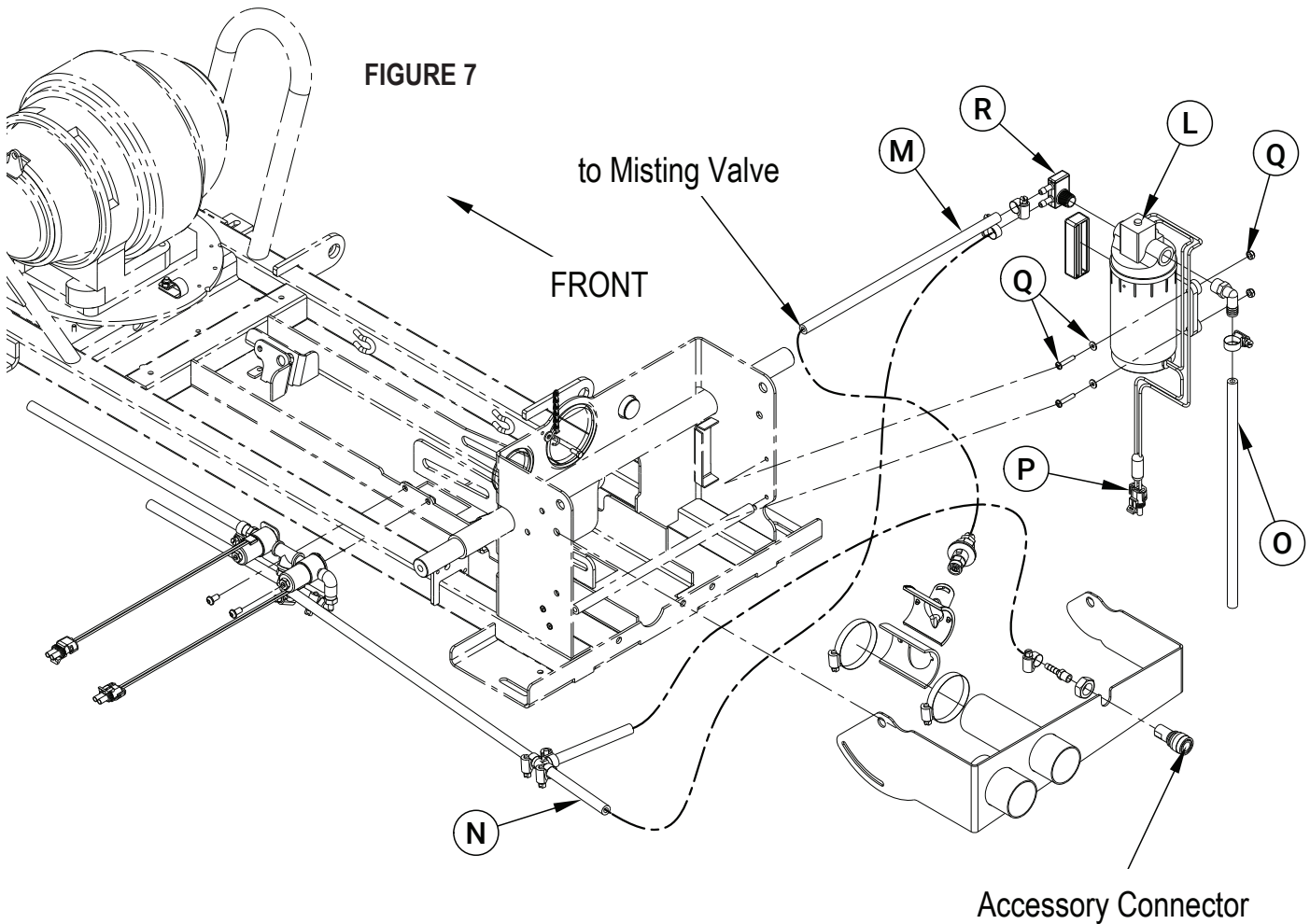
CAUTION!

Turn machine OFF at main key switch.

Disconnect batteries before servicing.

Solution Pump Removal

24. See Figure 7. Locate Solution Pump (L) underneath the machine by the left rear tire.
25. Disconnect the Hoses (M), (N) and (O) from the solution pump.
26. Disconnect solution pump electrical connector (P).
27. Remove the solution pump from the machine by removing hardware items (Q).
28. Remove the double barb Fitting (R) from the solution pump.



Install New Fitting to Solution Pump

29. **See Figure 8.** Test fit the new brass Fitting (3) into the solution pump then remove.
30. Apply Loctite "No More Leaks" 1537780 to the threads of Fitting (3) and install into solution pump outlet. Orientate fitting as shown and allow to cure for 72 hours.

⚠ IMPORTANT!

Allow Loctite to cure for **72 hours** for leakproof fitting.

31. Slide one Hose Clamp (6) onto Hose (2) then install the hose on to the end of Brass Fitting (3) and tighten hose clamp.

Replace Hose at Misting Nozzle

32. **See Figure 9.** Disconnect existing hose going to Misting Nozzle (S).
33. Connect new Hose (4) to Misting Nozzle (S) secure with new Hose Clamp (6).

Reinstall Solution Pump

34. **See Figure 9.** Reinstall Solution Pump (L) using original Mounting Hardware (Q), ensure pump Mount (T) is in place.
35. Reconnect solution pump's electrical Connector (P) to machine harness.
36. **See Figure 9.** Assemble Tee-Hose Barb (5) to Hose (2) and secure with a Hose Clamp (6).
37. Secure Hose (4) and Hose (N) to Tee-Hose Barb using Hose Clamps (6).
38. Reattach solution input Hose (O) to solution pump (L) and secure with hose clamp.
39. Reconnect machine batteries. This completes the installation for ES4000.

FIGURE 8

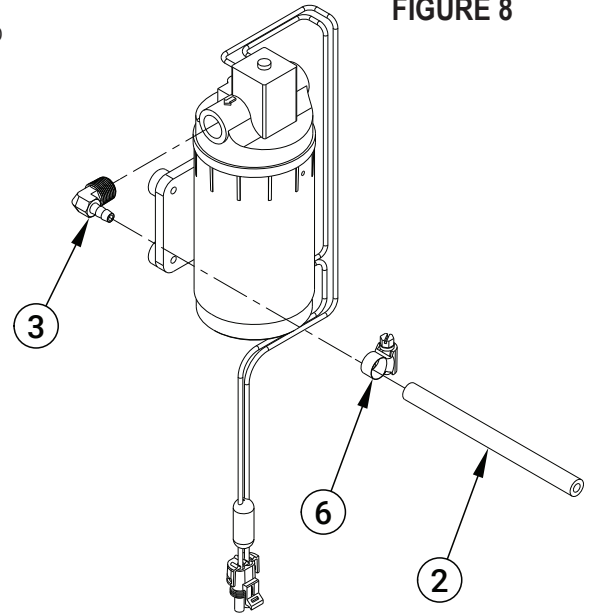


FIGURE 9

