



INSTRUCTION BULLETIN

No. 340784
Machine: 7300/8300
Published: 08-2005
Rev. 02

NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in the machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save the cost of ordering an entire kit.

NOTE: Numbers in parenthesis () are reference numbers for parts listed in Bill of Materials.

Installation instructions for **kit number 9001507**

SYNOPSIS / PROBLEM:

This kit contains the parts needed to install a 4L FaST upgrade kit on the 7300/8300 machines.
Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 1.5 hours)

PREPARATION:

1. Park the machine on a clean level surface.
2. Turn off the machine, remove the key, and set the parking brake.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

3. Disconnect the battery cables from the batteries.



WARNING: Always disconnect battery cables from machine before working on electrical components.

INSTALLATION:

NOTE: Save all hardware removed from the FaST bracket during disassembly unless instructed to do otherwise. Most of the hardware is needed to install components onto the new FaST bracket (1).

1. Open the front cover to access the FaST air pump and detergent group
2. Disconnect the supply hose from the FaST detergent package, remove the FaST detergent package from the FaST bracket, and connect the supply hose to the hose storing plug on the FaST bracket. Refer to Fig. 1.



FIG. 1

3. Remove the hardware holding the FaST air pump and detergent group onto the machine and slide the FaST air pump and detergent group forward. Discard the hardware. Refer to Fig. 2.

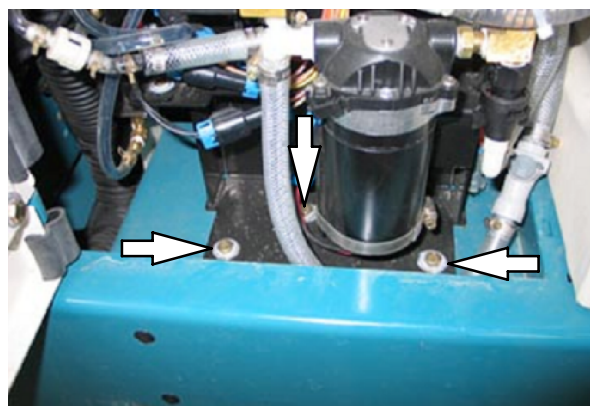


FIG. 2

4. Disconnect cables and hoses from other parts of the machine from the FaST air pump and detergent group and remove the FaST air pump and detergent group from the machine. Refer to Fig. 3.

NOTE: Do not disconnect cables or hoses from between components attached to the FaST bracket when removing these items from the FaST bracket.



FIG. 3

5. Place the FaST air pump and detergent group onto work bench to complete transferring components.
6. Disconnect the plug from the supply hose. Refer to Fig. 4.



FIG. 4

7. Remove the hardware holding the relays and the timer module onto the FaST bracket. Set hardware aside since these items are needed to install the relays and the timer module onto the new FaST bracket (1). Refer to Fig. 5.

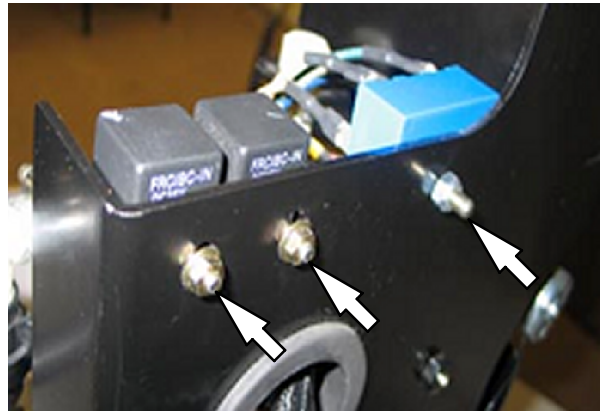


FIG. 5

8. Remove the hardware holding the solenoid valve from the FaST bracket. Set hardware aside since these items are needed to install the solenoid valve onto the new FaST bracket (1). **Do not** remove any components from the solenoid valve mounting bracket. Refer to Fig. 6.



FIG. 6

9. Remove the hardware holding the detergent pump to the FaST bracket. Set hardware aside since these items are used to install the detergent pump onto the new FaST bracket (1). **Do not** remove any components from the detergent pump mounting bracket. Refer to Fig. 7.

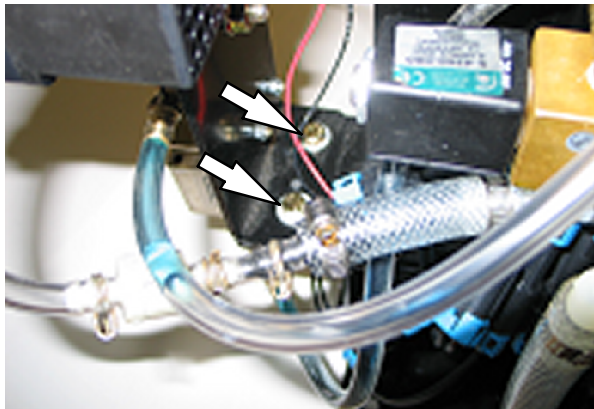


FIG. 7

10. Remove the hose clamp from the solution pump and the FaST bracket. Refer to Fig. 8.



FIG. 8

11. Carefully pull FaST solution pump group and FaST air pump and detergent group from the FaST bracket and pull all cables out through the hole in the FaST bracket. Discard the FaST bracket. Refer to Fig. 9.

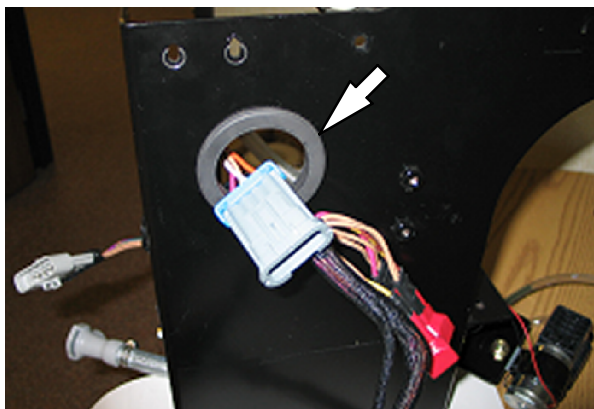


FIG. 9

NOTE: Two personnel may be required to complete Step 11. One person can pull the FaST solution pump group and FaST air pump and detergent group from the FaST bracket while the other routes the wires out through the hole in the FaST bracket.

12. Install the rubber grommet (7) into the hole in the new FaST bracket (1). Refer to Fig. 10.

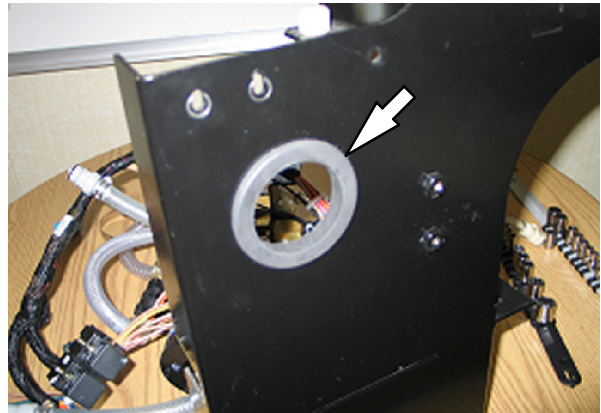


FIG. 10

NOTE: Refer to Fig. 1 through Fig. 12 for locations and orientation of parts and components installed onto the new FaST bracket (1).

13. If necessary, use PVC hoses (4), (5), and (6) to replace any damaged or worn hoses attached to the FaST solution pump group and FaST air pump and detergent group.
14. Loosen the fastener on the bracket, rotate the FaST air pump 90° counter clockwise, and retighten the fastener. Refer to Fig. 11.

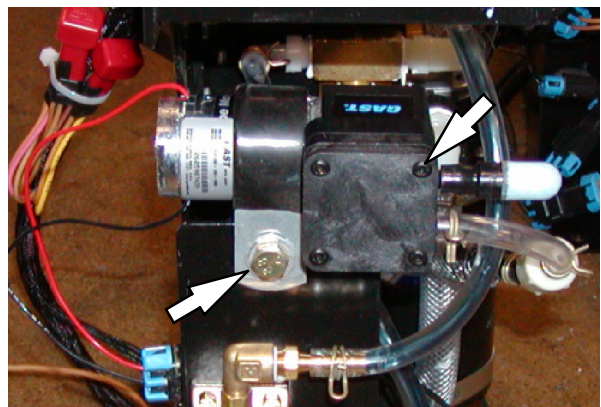


FIG. 11

15. Route the cables from the FaST solution pump group and FaST air pump and detergent group through the hole in the new FaST bracket (1).
16. Position the FaST solution pump group and FaST air pump and detergent group onto the new FaST bracket (1) as they were previously positioned on the old FaST bracket.

17. Use saved hardware to install the relays and the timer module onto the FaST bracket (1).
18. Tighten the hose clamp around the solution pump and the FaST bracket (1).
19. Use saved hardware to install the detergent pump onto the FaST bracket (1).
20. Use saved hardware to install the solenoid valve onto the FaST bracket (1).
21. Use the three hex screws (2) and flat washers (3) to install the new FaST bracket (1) onto the machine.
22. Connect the cables and hoses removed from the old FaST bracket in Step 1 onto the FaST air pump and detergent group and FaST solution pump group.
23. Install the FaST detergent package into the FaST bracket (1) and connect the FaST supply hose the the FaST detergent package.
24. Reconnect the battery cables to the batteries.
25. Start machine and test the FaST system to ensure the system operates.

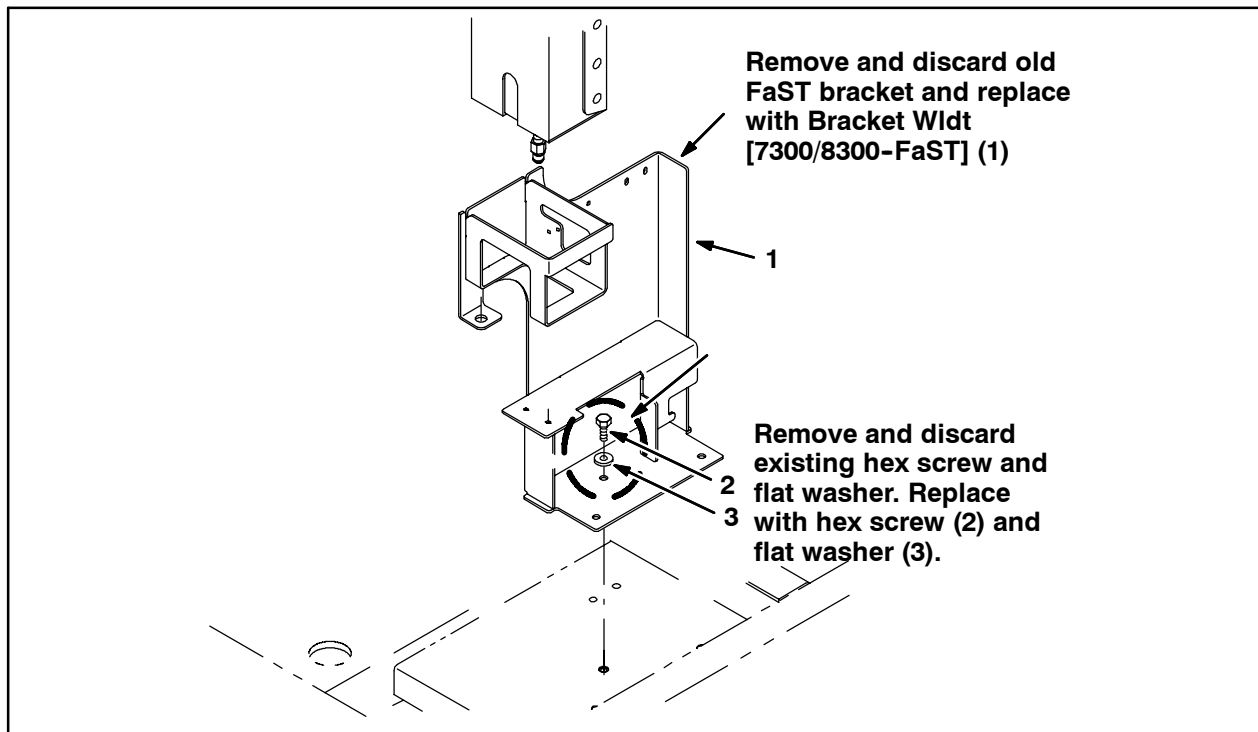


FIG. 12

Bill of Materials for 4L FaST, Upgrade Kit-9001507

	Tennant			
Ref.	Part No.	Description	Qty.	
▽	9001507	4L FaST, Upgrade Kit	1	
▲	1	1024009 Bracket Wldt [7300/8300 FaST]	1	
▲	2	16931 Screw, Hex, M8 X 1.25 X 20, 8.8	3	
▲	3	32491 Washer, Flat, 0.31 Std	3	
▲	4	1024020 Hose, Afmkt, PVC, Wir, 0.50 ID 1ft	1	
▲	5	1011521 Hose, Afmkt, PVC, Brd, 0.50ID 2ft	2	
▲	6	1014986 Hose, Afmkt, PVC, Clr, 0.25ID 2ft	1	
▲	7	10632-19 Grommet, Rbr, 2.13ID, F/ 2.5H, .12 MATL	1	

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