



INSTRUCTION BULLETIN

No. 340008
Machine: 8400, 8410
Published: 10-96/01
System: HYDRAULICS

NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in your machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save you 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 370110

SYNOPSIS / PROBLEM:

This kit contains the parts needed to replace the low speed engine cooling orifice on the model 8400/8410 sweeper/scrubber.

Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS:

(Estimated Time to complete: 1 hour)

INSTALLATION:

(Refer to FIG. 1 and 2)

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

1. Raise the hopper and engage the prop bar.
2. Open the engine cover and side door.
3. Remove the engine side door from the machine by lifting up until the pins are free from the hinges.
4. Remove the three M6 hex screws holding the front of the left hand side panel to the frame.
(Refer to FIG.1)
5. Remove the the five (8410), or three (8400) hex screws from the rear or hinge side of the left hand side panel. Remove the left hand side panel from the machine. (Refer to FIG.1)
6. Locate the hydraulic solenoid valve under the solution tank on the left hand side of the machine frame on top. (Refer to FIG.2)

NOTE: Make sure to clean the face of the hydraulic solenoid valve that is facing the rear of the machine. (Refer to FIG.2)

7. Locate the solenoid valve marked SV2. (Refer to FIG.2)
8. Remove the nut and coil from the solenoid stem. Make sure to retain the rubber washers.
9. Locate the plug marked OR11 above the SV2 solenoid stem. **Also locate and loosen the O-ring plug located directly above and in-line with OR11 (may interfere with removal of orifice).** Remove the OR11 plug using a 3/16 inch Allen wrench. (Refer to FIG.2)

10. Remove the existing orifice from the under the plug that was just removed. Use a 1/8 inch Allen wrench.
11. Install the new orifice (1) in the same location as the old one was removed. Bottom out the new orifice and tighten tight.
12. Reinstall the plug in OR11 and tighten tight. Retighten the O-ring plug located directly above and in-line with OR11. *Mark OR11 with an X to indicate that the re-work is complete.*

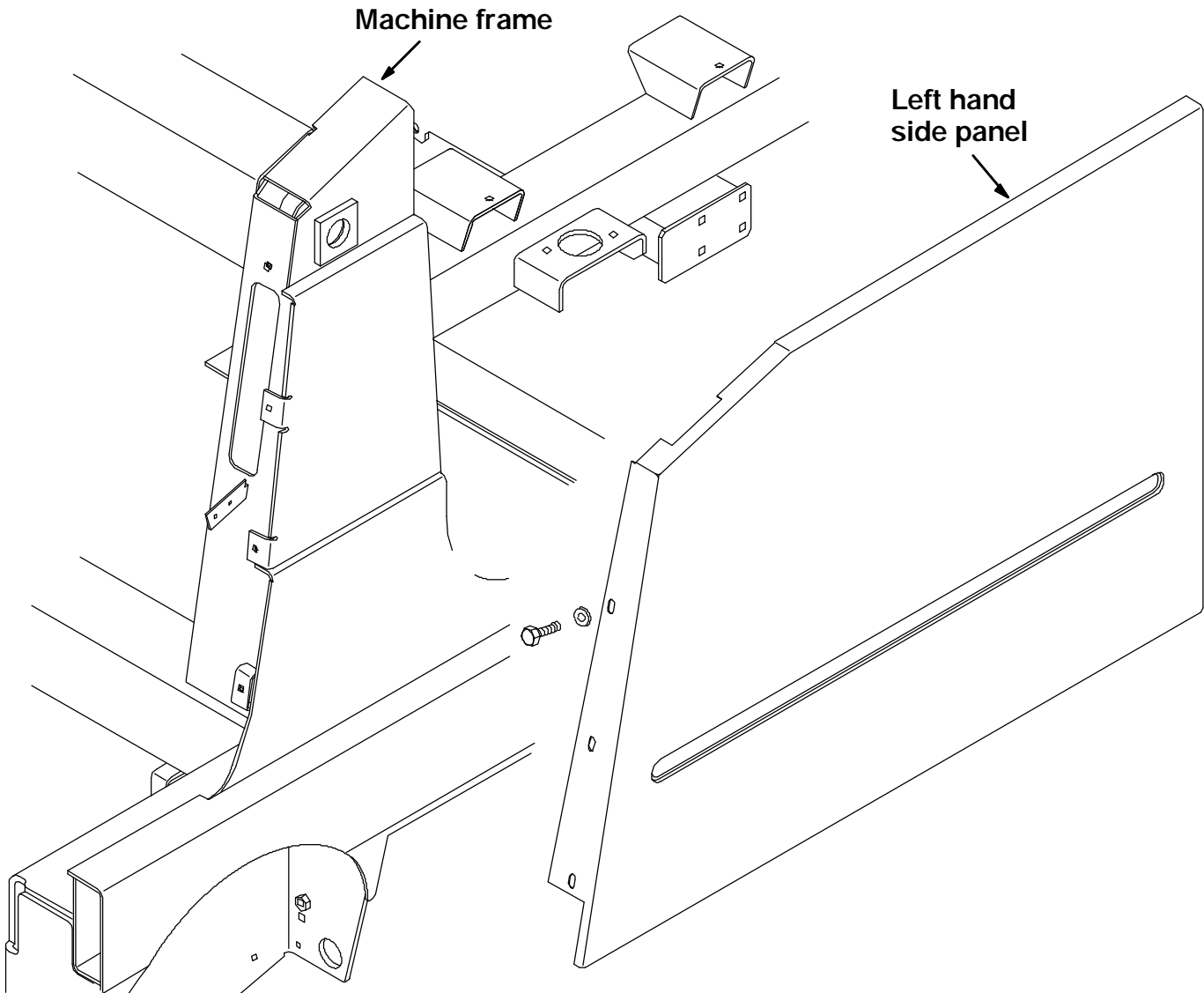


FIG. 1 - Left Hand Side Panel

13. Reinstall the coil and rubber washers. (Refer to FIG.2)
14. Reinstall the nut on top of the coil. DO NOT over tighten--snug only. (Refer to FIG.2)
15. Reinstall the left hand side panel and hardware. (Refer to FIG.1)
16. Reinstall the engine side door.

17. Start the machine and check the engine fan for proper operation.

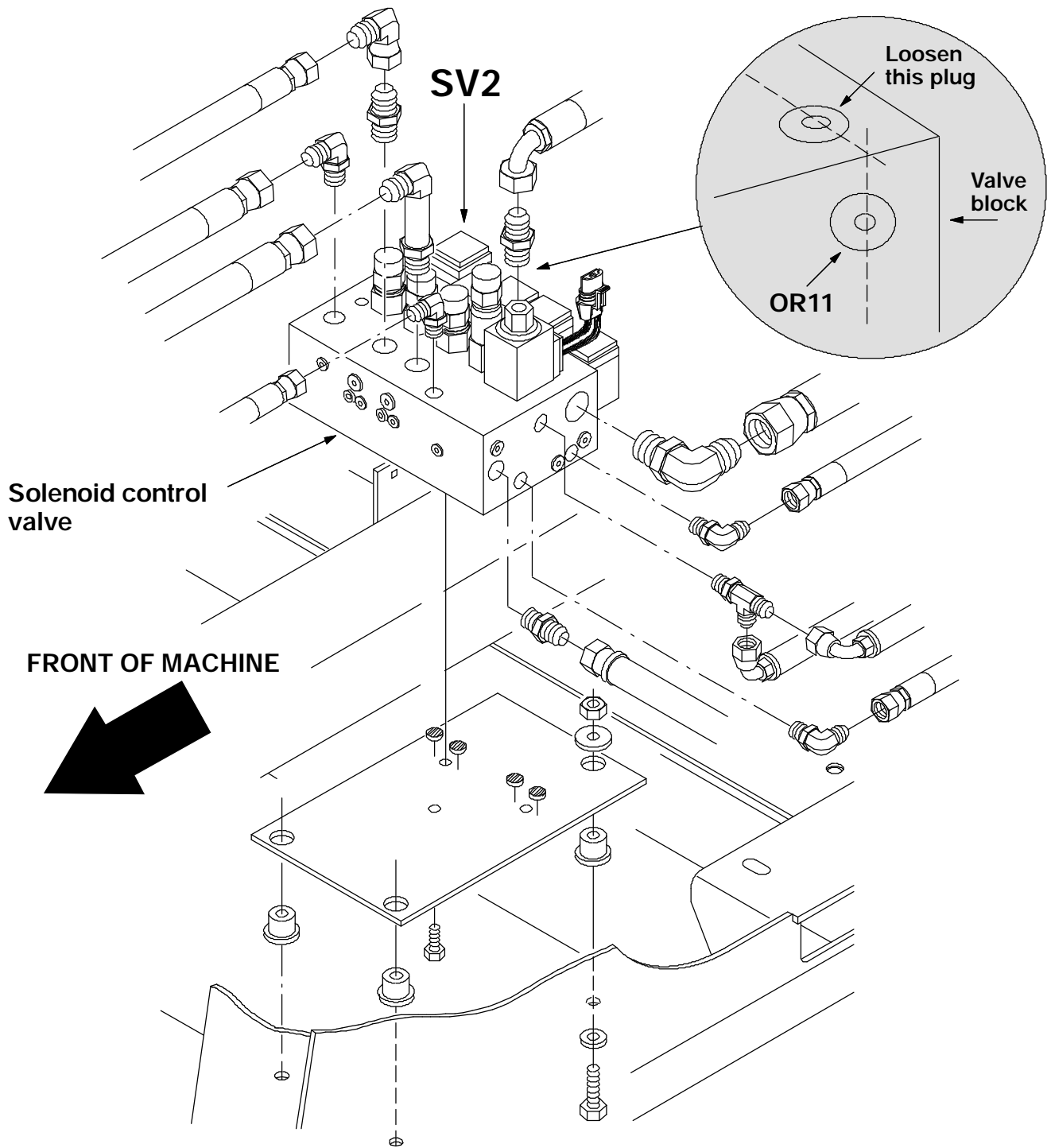


FIG. 2 - Solenoid Control Valve
BILL OF MATERIALS FOR RESTRICTOR KIT 370110

Ref.	TENNANT Part No.	Description	Qty.
1	21922	Orifice (.047)	1

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