

No. 3802

Published: 10 -96/00

System: ENGINE

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 23311

#### SYNOPSIS / PROBLEM:

This kit contains the parts needed to install an LP relief kit on the model 186 LP/1186 LP sweeper.

Please follow step-by-step instructions.

### SPECIAL TOOLS / CONSIDERATIONS: 1 "hole saw

(Estimated time to complete: 1 hour)

### **INSTALLATION:**

(Refer to FIG. 1)

1. Turn off the valve on the LP tank and run the machine until it stops running. This procedure removes all of the LP gas from the system. (Refer to FIG. 1)

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

- 2. Remove both the left and right machine covers. (Refer to FIG. 1)
- 3. Disconnect battery cables from machine.



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

- 4. Disconnect the LP hose from the 90° fitting on the LP lock-off. (Refer to FIG. 1)
- 5. Remove the 90° fitting from the tee fitting on the LP lock-off. (Refer to FIG. 1)
- 6. Put a small amount of thread sealant on the tee fitting (2) and install it on the LP lock-off where the fitting was removed in step 5. (Refer to FIG. 1)
- 7. Put a small amount of thread sealant on the elbow fitting (3) and install it in the tee fitting (2) on the side nearest the center of the machine. (Refer to FIG. 1)
- 8. Put a small amount of thread sealant on the relief valve (1) and install it in the elbow fitting (3). **The relief valve must be pointing up.** (Refer to FIG. 1)

- 9. Put a small amount of thread sealant on the 90° fitting that was removed in step 5 and install it in the tee fitting (2) on the side nearest the outside of the machine. (Refer to FIG. 1)
- 10. Reconnect the LP hose to the 90° fitting. (Refer to FIG. 1)

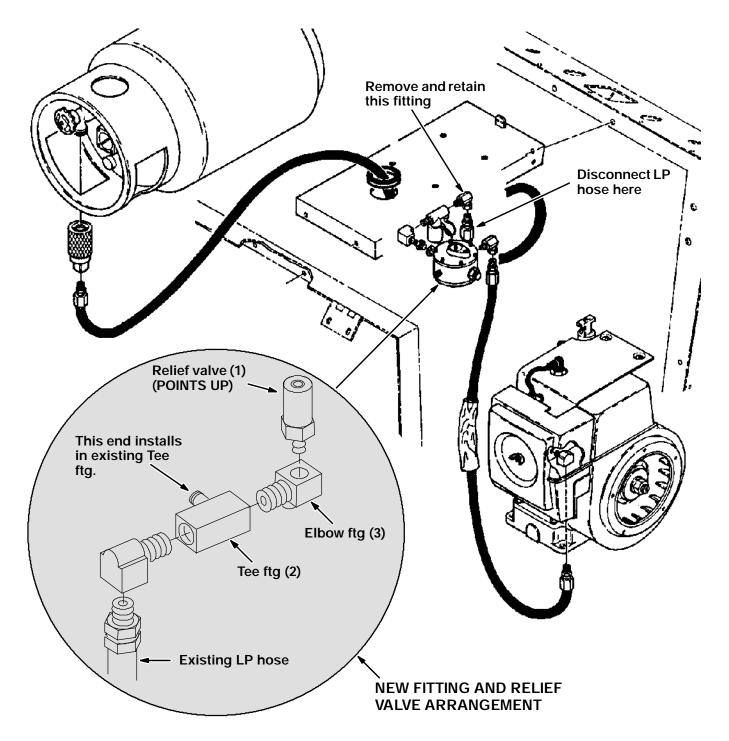


FIG. 1 - LP Fitting Assembly

- 11. Use the dimensions in FIG.1 to mark and drill a 1" hole in the left hand machine cover. (Refer to FIG. 1)
- 12. Reconnect the battery and reinstall the machine covers.

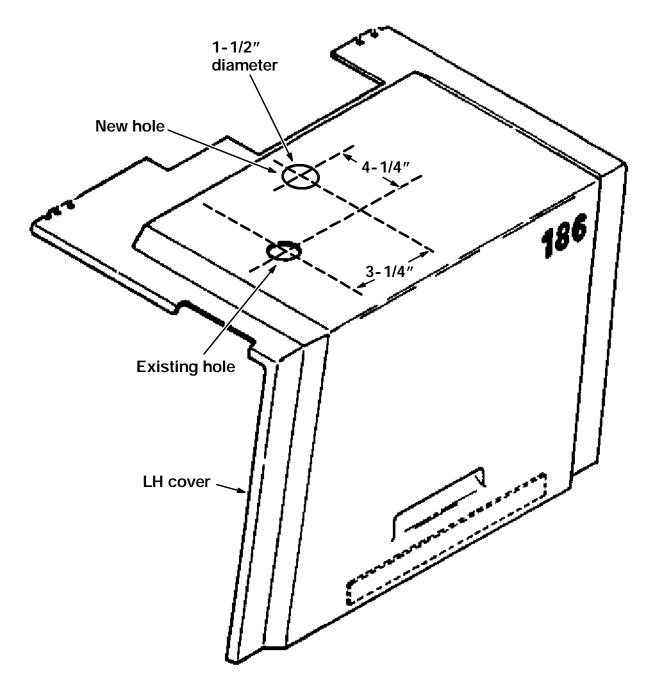


FIG. 2 - LH Cover Re-work Dimension
BILL OF MATERIALS FOR LP RELIEF VALVE KIT 23311

TENNANT Part No.	Description	Qty.
24047	Relief valve	1
53268	Tee fitting	1
27048	Elbow fitting	1
	Part No. 24047 53268	Part No. Description  24047 Relief valve 53268 Tee fitting

TENNANT COMPANY
P. O. Box 1452
Minneapolis, MN 55440-1452