



# INSTRUCTION BULLETIN

No. 340346  
Machine: 6100E  
Published: 9-99/00  
System: ELECTRICAL

**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 384438

## **SYNOPSIS / PROBLEM:**

This kit contains the parts needed to replace the shaker solenoid harness on the model 6100E sweepers before serial no. 6100-1281.

Please follow step-by-step instructions.

## **SPECIAL TOOLS / CONSIDERATIONS: NONE**

(Estimated time to complete: .5 hour)

## **PREPARATION:**

(Refer to FIG. 1 thru 5)

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

1. Disconnect battery cables from machine.



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

## **INSTALLATION:**

(Refer to FIG. 1 thru 5)

1. Remove the debris hopper from the rear of the machine.
2. Lower the filter to access the shaker solenoid. (Refer to FIG. 3)
3. Unplug the two electrical connections from the filter shaker solenoid. (Refer to FIG. 4)

*NOTE: Carefully pull the wires from the shaking mechanism from the body of the plugs. Do not pull on the wires. Damage could occur to the shaking mechanism or to the wires.*

4. Cut the wires back six inches from the plugs.
5. Assemble the new male terminal assembly (4, 5 and 6) over the cut back wires, and install into the new connector body (3). (Refer to FIG. 1)
6. Connect the new harness (1) to the filter shaker solenoid, and tie the new harness (1) to the shaker panel with cable tie (2). (Refer to FIG. 5 and 6)
7. Plug the new harness into the existing harness with new connector. (Refer to FIG. 6)

8. Latch the filter back in the raised position and replace the debris hopper. Check the filter shaker for proper operation

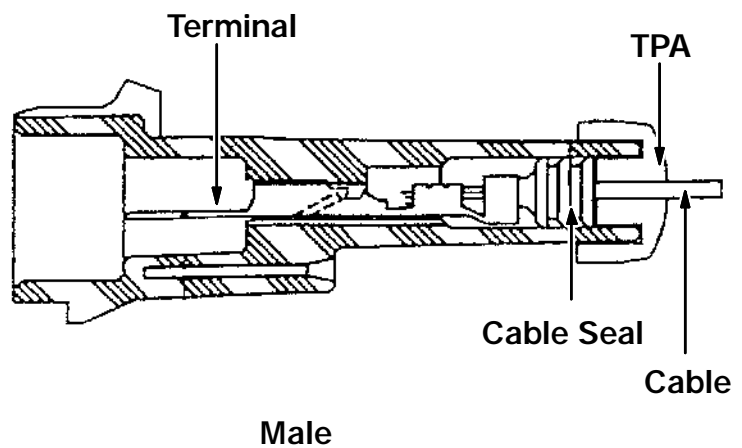
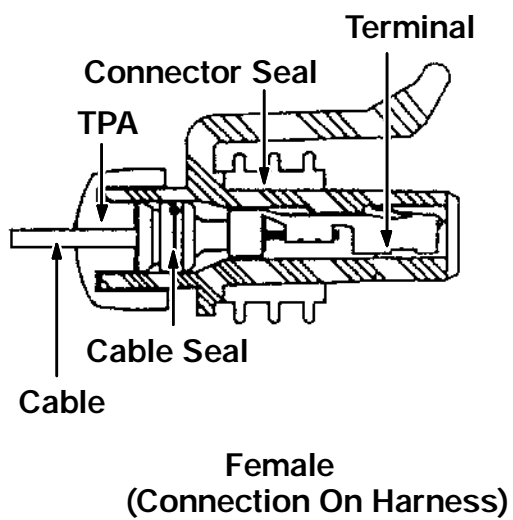
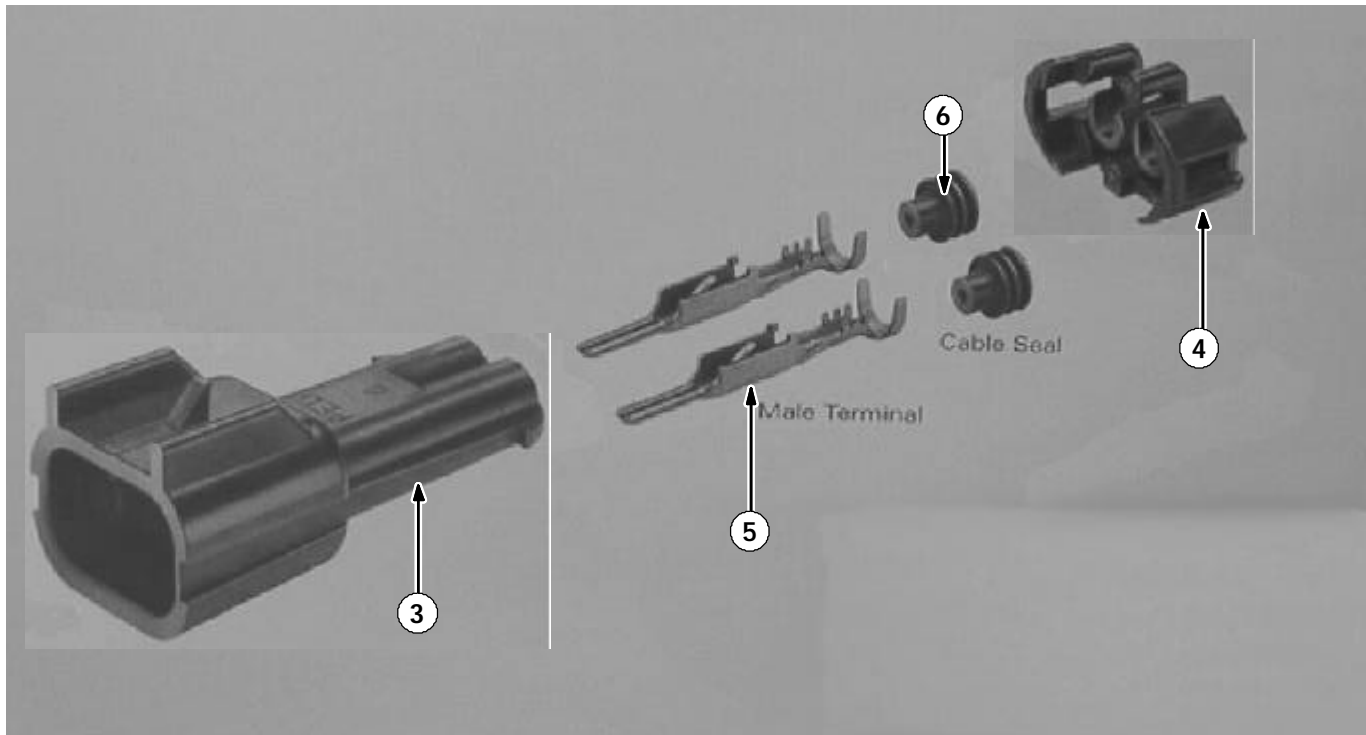
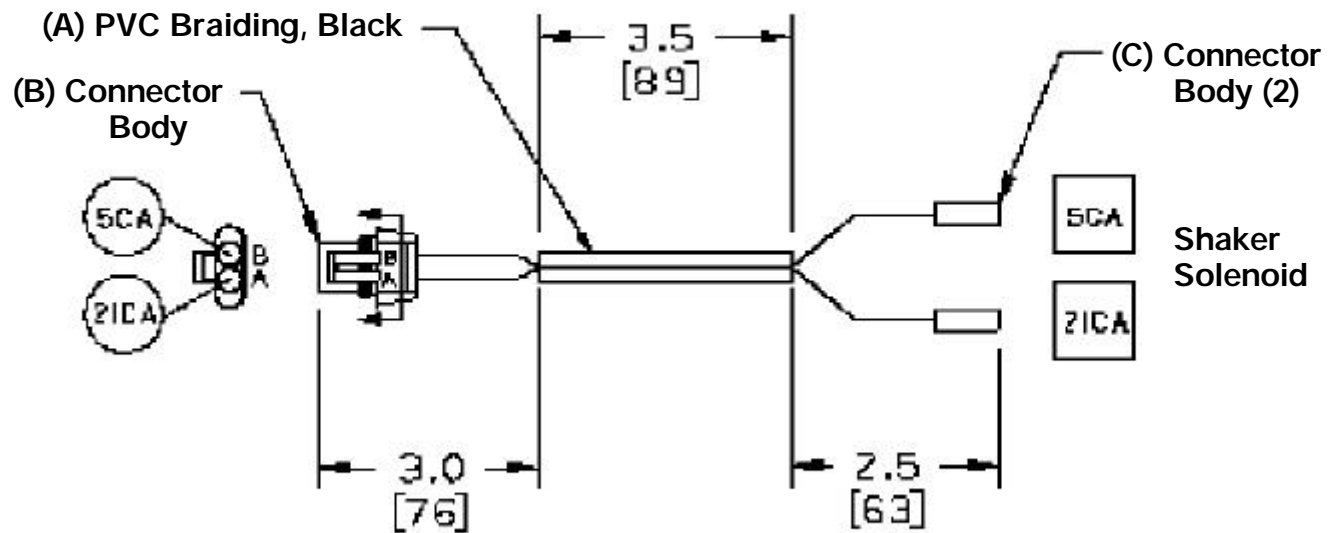


FIG 1 - TERMINAL BREAKDOWNS



**FIG 2 - SHAKER HARNESS**

**BILL OF MATERIALS FOR SHAKER SOLENOID HARNESS**

| Ref. | TENNANT<br>Part No. | Description                     | Qty. |
|------|---------------------|---------------------------------|------|
| 1    | 83384               | Harness, Shaker Solenoid        | 1    |
| 2    | 49266               | Tie, Cable, 7.50L               | 1    |
| 3    | 25850               | Connector                       | 1    |
| 4    | 78952               | Connector, Wire Lock            | 1    |
| 5    | 25832               | Terminal, Metripk Male, 16-18GA | 2    |
| 6    | 10917               | Seal                            | 2    |

Remove debris hopper and lower filter to access shaker solenoid

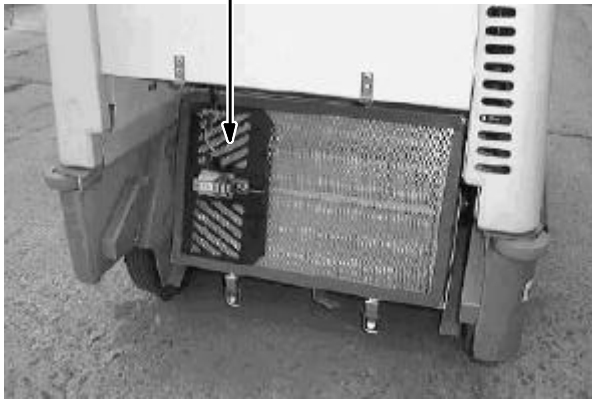


FIG. 3

Disconnect old shaker wire connections and cut the wires back 6".

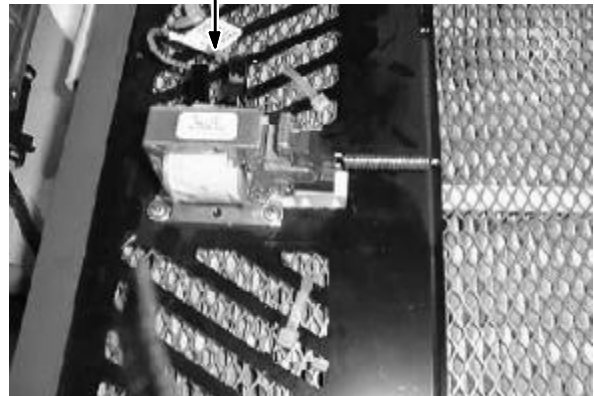


FIG. 4

Connect new harness to solenoid.

Install new terminal on cut back wires.

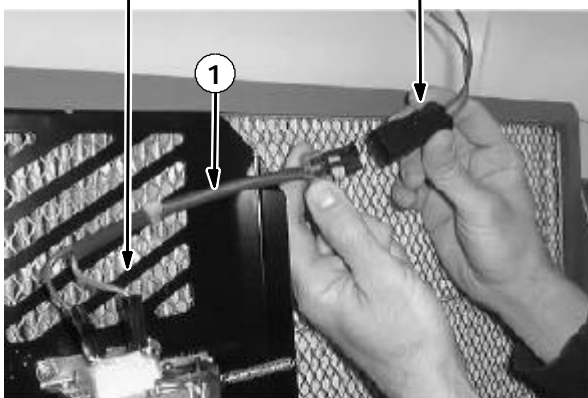


FIG. 5

Connect new terminal to new harness.

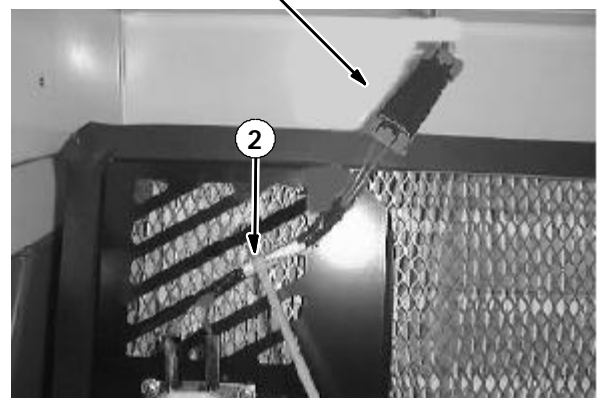


FIG. 6

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