



# INSTRUCTION BULLETIN

No. 340067

Machine: 6080G/LP/E  
3640G/LP/E

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**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 80239 G/LP & 80243 E

## SYNOPSIS / PROBLEM:

This kit contains the parts needed to install a panel filter kit on the model 6080 G/LP/E and the 3640 G/LP/E model sweepers. This kit will be installed in place of the filter bag assembly. Please follow step-by-step instructions.

## SPECIAL TOOLS / CONSIDERATIONS: None

(Estimated time to complete: 2 hours)

## PREPARATION:

(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.**

1. Open the machine cover and disconnect the battery cables.



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

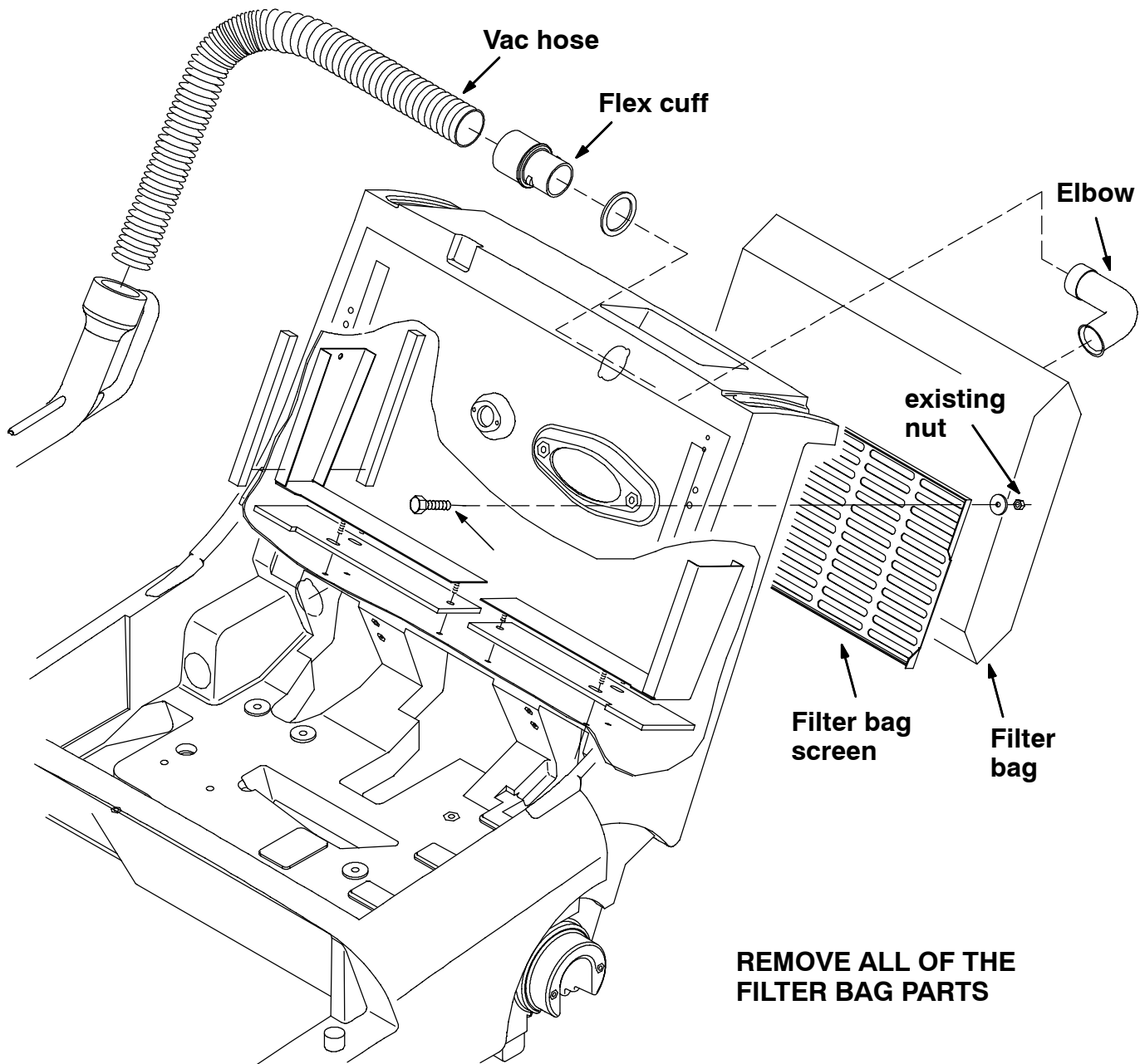
2. Unsnap the two rear filter cover latches. Open the cover.
3. Remove all of the filter bag related parts (bag, screen, hose elbow, frame plugs, ect).  
(Refer to FIG. 1)

## INSTALLATION:

(Refer to FIG. 2)

1. Install the rocker switch (19) in the far right mount hole in the machine cover. Install the switch plate (27) under the machine cover, behind the rocker switch. (Refer to FIG. 2)
2. Connect wire 4B/YEL, 11A/BRN, 14/BLU, and 12/BRN to the rocker switch (19).
3. Install the shaker timer (22) in the mount hole in the machine frame. Use one screw (25), two flat washers (11), and one nut (26). Hand tighten. (Refer to FIG. 2)
4. **6080 E:** Connect wires 12/GRN to #6, 14/BLU to #2, 4C/YEL to #3, and 11A/BRN to #1.
5. **6080 G/LP:** Connect wires 12/GRN to #6, 14A/BLU to #2, 4F/YEL to #3, and 11C/BRN to #1.
6. Install the relay (21) in the relay mount assembly. (Refer to FIG. 2)
7. Install the two rubber grommets (3) in the holes in the frame where the plugs were removed. (Refer to FIG. 2)

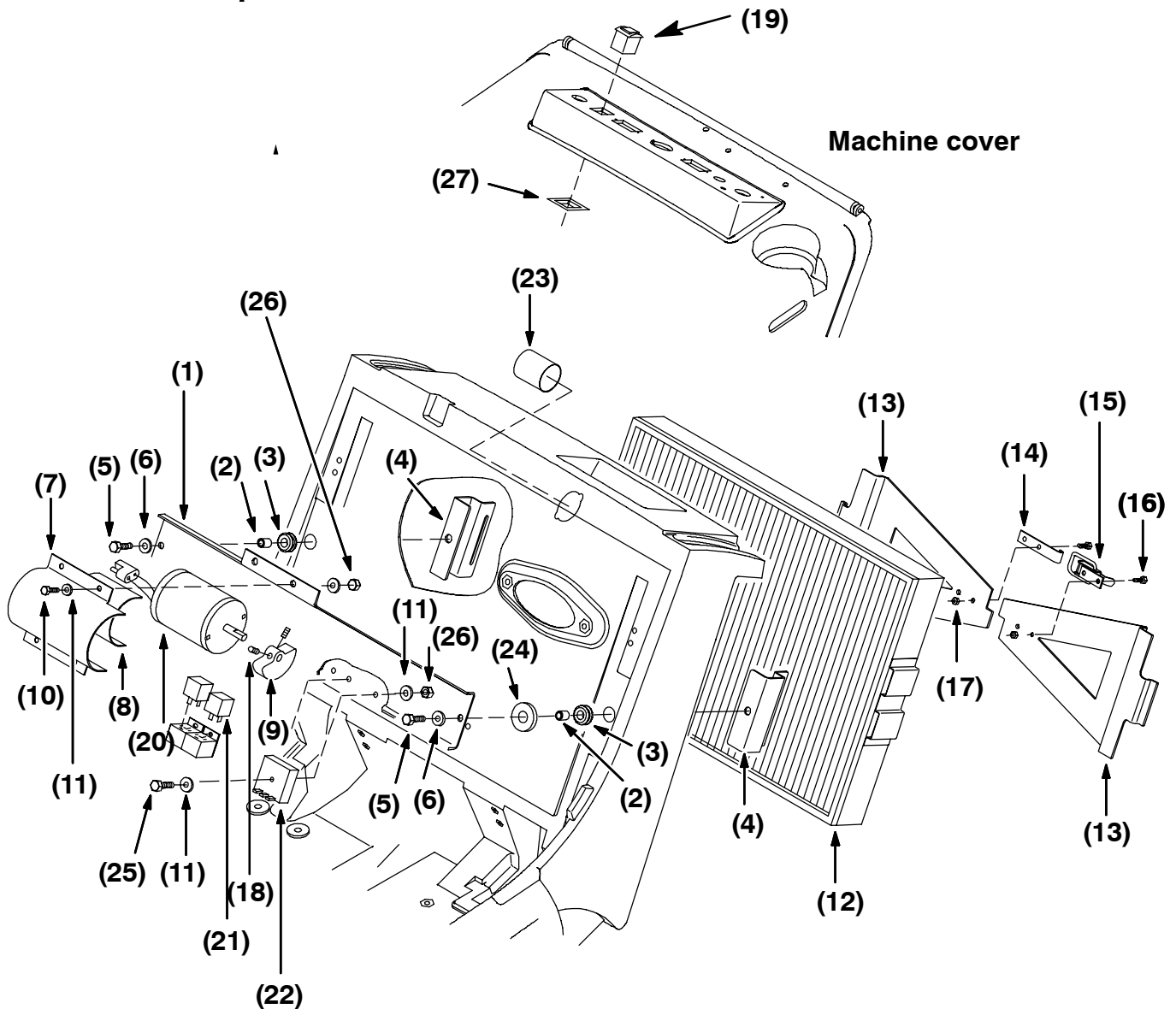
8. Install the two shaker brackets (4) and the one shaker motor mount bar (1) on the machine. Use the two hex screws (5), two smaller washers (6), two larger washers (24), and two sleeves (2). (Refer to FIG. 2)
9. Place the flat rubber bar (8) in the filter shaker mount bracket (7). (Refer to FIG. 2)
10. Install the filter shaker motor (20) into the shaker mount bracket (7). (Refer to FIG. 2)



**FIG. 1 - Filter Bag Assembly**

11. Install the eccentric weight (9) on the shaft of the shaker motor (20). Tighten the two set screws. (Refer to FIG. 2)
12. Mount the bracket (7) and motor (20) onto the shaker motor bar (1) using the four screws (10), eight washers (11), and four M6 nuts (26). (Refer to FIG. 2)
13. Connect the shaker motor (20) to the main harness plug. (wires 16/GRY and 13E/BLK) These wires are taped into the main harness at the right side of the machine. (Refer to FIG. 2)

14. Install the hose cuff tube in the vacuum hose and install the vacuum hose in the mount hole. Use a 1/4 turn to lock the hose in place. (Refer to FIG. 2)
15. Install the draw pull catch (15) and latch strike (14) on the filter retaining brackets using the four hex screws (16), and four nuts (17). (Refer to FIG. 2)



**FIG. 2 - Filter And Shaker Assembly**

16. Install the panel filter (12) into the rear of the filter housing. (Refer to FIG. 2)
17. Install and latch the filter retaining brackets (13) over the new panel filter (12). (Refer to FIG. 2)
18. Close the filter cover and secure the filter cover. Reconnect the battery cables and close the machine cover.
19. Operate the machine and check for proper operation of the shaker motor and timer.

**BILL OF MATERIALS FOR PANEL FILTER KIT 80239 (G/LP machines)**

| <b>Ref.</b> | <b>TENNANT<br/>Part No.</b> | <b>Description</b>     | <b>Qty.</b> |
|-------------|-----------------------------|------------------------|-------------|
| 1           | 80436                       | Shaker motor bar       | 1           |
| 2           | 360930                      | Sleeve                 | 2           |
| 3           | 87515                       | Rubber grommet         | 2           |
| 4           | 80438                       | Shaker bracket         | 2           |
| 5           | 09023                       | M8 hex screw, 35mm, SS | 2           |
| 6           | 32491                       | 5/16 in. flat washer   | 2           |
| 7           | 80437                       | Shaker motor strap     | 1           |
| 8           | 44839                       | Flat bar rubber        | 1           |
| 9           | 1049243                     | Eccentric weight       | 1           |
| 10          | 06942                       | M6 hex screw, 16mm     | 4           |
| 11          | 32490                       | 1/4 in. flat washer    | 10          |
| 12          | 80015                       | Filter panel           | 1           |
| 13          | 80033                       | Retainer bracket       | 2           |
| 14          | 80107                       | Latch strike           | 1           |
| 15          | 23709                       | Draw pull catch        | 1           |
| 16          | 12312                       | M5 hex screw           | 4           |
| 17          | 06549                       | M5 nyloc nut           | 4           |
| 18          | 20634                       | Set screw,             | 2           |
| 19          | 80296                       | Rocker switch          | 1           |
| 20          | 54121                       | Shaker motor (12V)     | 1           |
| 21          | 57804                       | Relay (12V)            | 1           |
| 22          | 80329                       | Timer (12V)            | 1           |
| 23          | 80050                       | Hose cuff tube         | 1           |
| 24          | 32486                       | 1/2 in. flat washer    | 2           |
| 25          | 06947                       | M6 hex screw, 40mm     | 1           |
| 26          | 08708                       | M6 nyloc nut           | 5           |
| 27          | 80326                       | Switch plate           | 1           |

**BILL OF MATERIALS FOR PANEL FILTER KIT 80243 (electric machines)**

| <b>Ref.</b> | <b>TENNANT<br/>Part No.</b> | <b>Description</b>   | <b>Qty.</b> |
|-------------|-----------------------------|----------------------|-------------|
| 1           | 80436                       | Shaker motor bar     | 1           |
| 2           | 360930                      | Sleeve               | 2           |
| 3           | 87515                       | Rubber grommet       | 2           |
| 4           | 80438                       | Shaker bracket       | 2           |
| 5           | 06955                       | M8 hex screw, 35mm   | 2           |
| 6           | 32491                       | 5/16 in. flat washer | 4           |
| 7           | 80437                       | Shaker motor strap   | 1           |
| 8           | 44839                       | Flat bar rubber      | 1           |
| 9           | 1049243                     | Eccentric weight     | 1           |
| 10          | 06942                       | M6 hex screw, 16mm   | 4           |
| 11          | 32490                       | 1/4 in. flat washer  | 4           |
| 12          | 80015                       | Filter panel         | 1           |
| 13          | 80033                       | Retainer bracket     | 2           |
| 14          | 80107                       | Latch strike         | 1           |
| 15          | 23709                       | Draw pull catch      | 1           |
| 16          | 12312                       | M5 hex screw         | 4           |
| 17          | 06549                       | M5 nyloc nut         | 4           |
| 18          | 20634                       | Set screw, 10-24     | 2           |
| 19          | 80296                       | Rocker switch        | 1           |
| 20          | 80461                       | Shaker motor (24V)   | 1           |
| 21          | 49309                       | Relay (24V)          | 1           |
| 22          | 80328                       | Timer (24V)          | 1           |
| 23          | 80050                       | Hose cuff tube       | 1           |
| 24          | 32486                       | 1/2 in. flat washer  | 2           |
| 25          | 06947                       | M6 hex screw, 40mm   | 1           |
| 26          | 08708                       | M6 nyloc nut         | 5           |
| 27          | 80326                       | Switch plate         | 1           |

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