



INSTRUCTION BULLETIN

No. 340245
Machine: 6200
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Rev. 01

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.

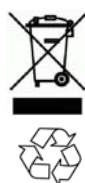
Installation instructions for **kit number 383887**

SYNOPSIS:

This kit contains the parts needed to install a vacuum wand kit on 6200 sweepers.
Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 2 hours)



PROTECT THE ENVIRONMENT

Please dispose of packaging materials, used machine components such as batteries and fluids in an environmentally safe way according to local waste disposal regulations.

Always remember to recycle.

PREPARATION:

1. Park the machine on a clean level surface, set the parking brake, raise the hopper to the fully raised position, and turn off the machine.

 **WARNING: Lift arm pinch point. Stay clear of hopper lift arms.**

2. Engage the hopper support bar.

 **WARNING: Raised hopper may fall. Engage hopper support pin.**

3. Turn on the machine, lower the hopper onto the hopper support bar, turn off the machine, and remove the key.

4. Secure the operator seat into the open position.

5. Disconnect the battery cable from the machine.

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

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

INSTALLATION:

1. Use two hex screws (8), two washers (9), and two hex nuts (10) to install the vacuum wand bracket (7) to the mounting holes on the lower right side of the machine. (Fig. 1)
2. Use three hex screws (31), three washers (29), and three hex nuts (32) to install the switch, arm / cam sub assembly (11-30) to the right side of the rear mounting bracket. (Fig. 1)
3. Connect the vacuum motor harness (33) to the switch assembly (11). (Fig. 1 / Fig. 4 / Fig. 5)

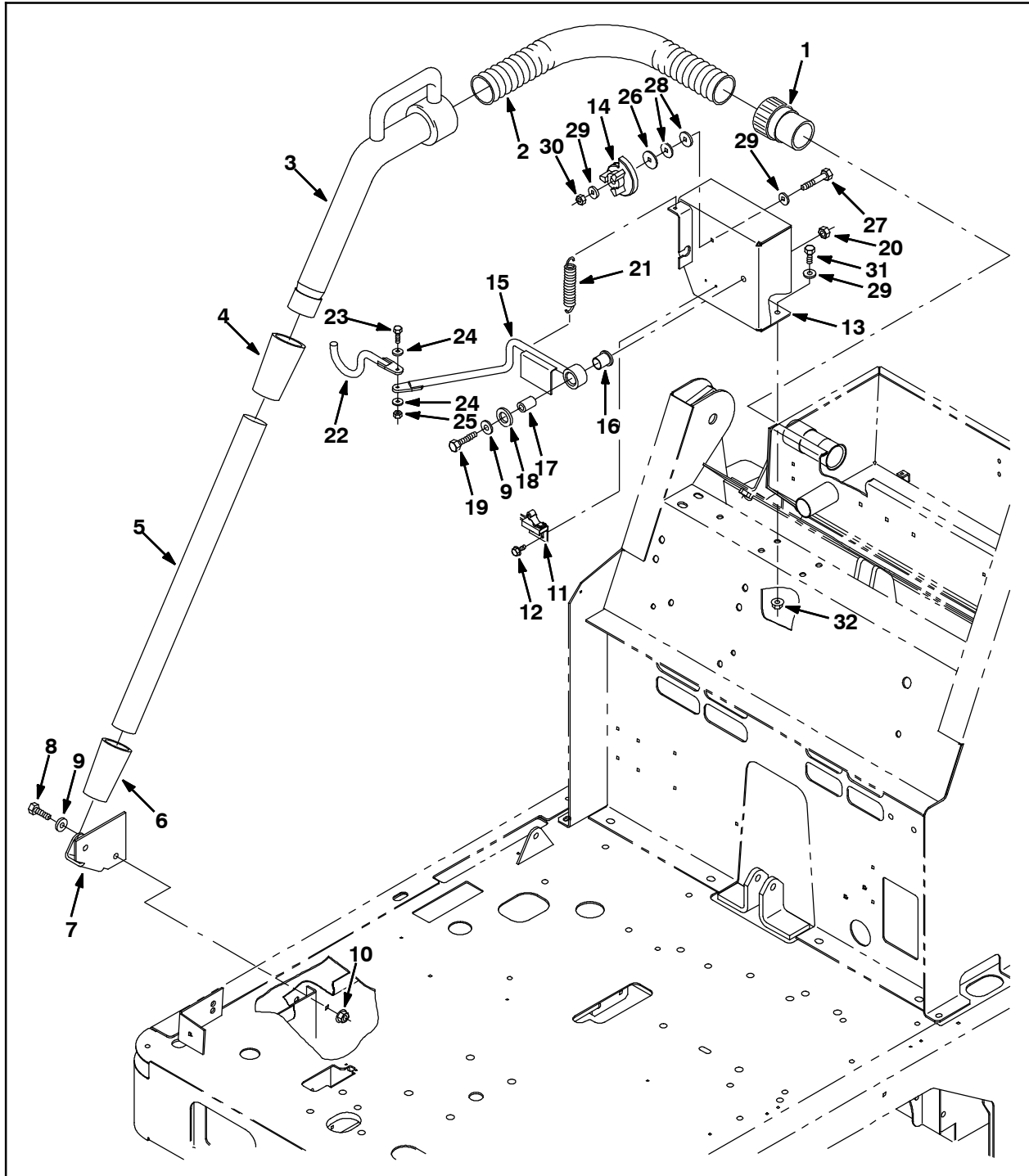


FIG. 1

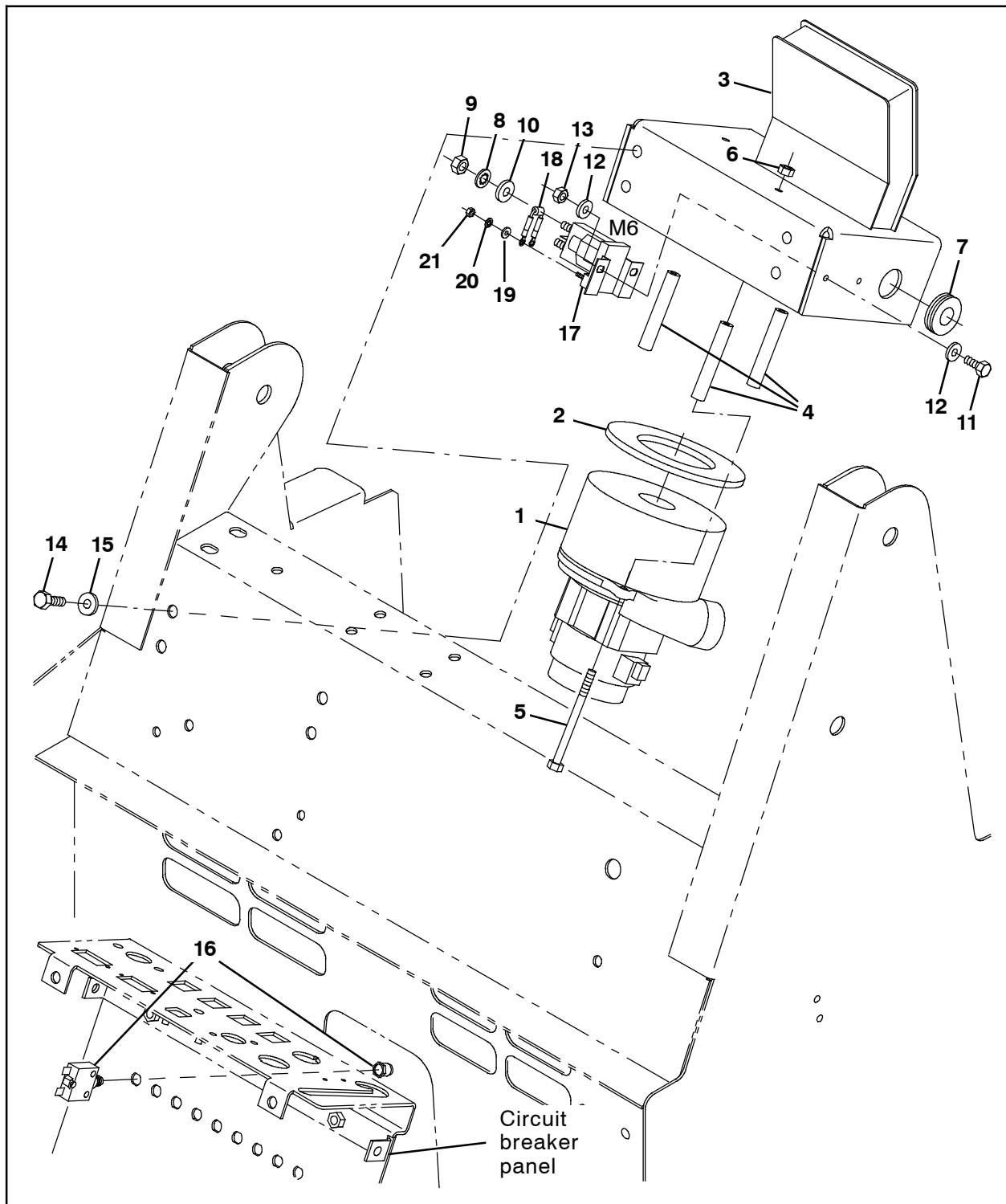


FIG. 2

4. Connect the vacuum motor harness (33) to the contactor (17). (Fig. 2 / Fig. 4 / Fig. 5)

5. Connect the vacuum motor harness (33) to the vacuum fan (1). (Fig. 2 / Fig. 4 / Fig. 5)

NOTE: Connect 37/GA to the contactor (+) terminal (lower). Connect 13/GB and 13/GA to the contactor (-) terminal (lower). Connect 29/GA, 28/GA, 28/GB to the top two terminals.

6. Use four hex screws (14), and four flat washers (15) to install the vacuum fan sub assembly (1- 13) onto the machine. (Fig. 2)

7. Neatly bundle up excess main harness wires with wire ties.
8. Connect the vacuum motor harness (33) to the main wire harness. (Fig. 4 / Fig. 5)
9. Open the circuit breaker panel. Be careful to not break any wire / cable connections when opening the circuit breaker panel. Set hardware aside. (Fig. 2)
10. Install the 25- Amp circuit breaker (16) in the circuit breaker panel. (Fig. 2)
11. Connect the main wire harness to the 25- Amp circuit breaker (16). (Fig. 2 / Fig. 4)
12. Close the circuit breaker panel. (Fig. 2)
13. Use four hex screws (23) and four washers (24) to install the vacuum box sub assembly (1- 22) to the machine. (Fig. 3)
14. Use the inlet seal (15) and clamp (16) to connect the vacuum box sub assembly (1- 22) to the vacuum fan sub assembly. (Fig. 3)
15. Ensure the vacuum bag (14) is properly installed over the inlet pipe inside the vacuum box. (Fig. 3)
16. Ensure the vacuum box lid (9) is properly secured with latch (18). (Fig. 3)
17. Assemble the vacuum wand assembly (1- 6). (Fig. 1)
18. Connect the vacuum wand hose cuff (1) to the vacuum box inlet tube. (Fig. 1)
19. Place the vacuum wand in the arm weldment when not in use. (Fig. 1)
20. Place the coupling (6) on the end of the tube (5) over the end of the lower bracket (7) mounted to the side of the machine when not in use. (Fig. 1)
21. Reconnect the battery cable to the machine.
22. Lower the operator seat.
23. Turn on the machine, raise the hopper from the support bar, disengage the support bar, and lower the hopper.
24. Test the machine. Operate the vacuum wand. Observe for vacuum assembly leaks. Make necessary adjustments.

NOTE: Check the box lid for proper seal after latching lid. If there are any air leaks under the lid, the vacuum wand may not function properly. Check hinge adjustment and ensure all four sides are sealing.

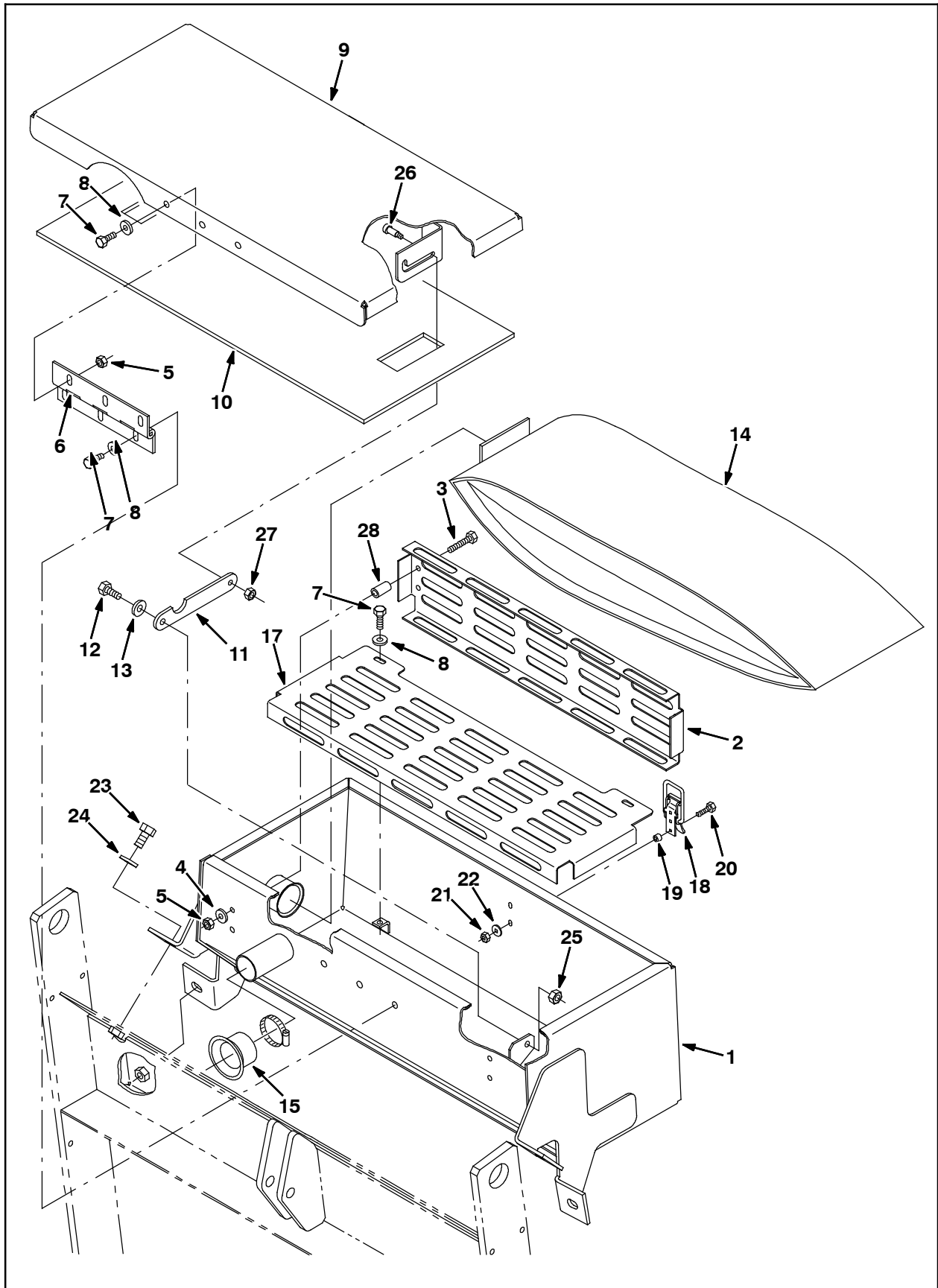


FIG. 3

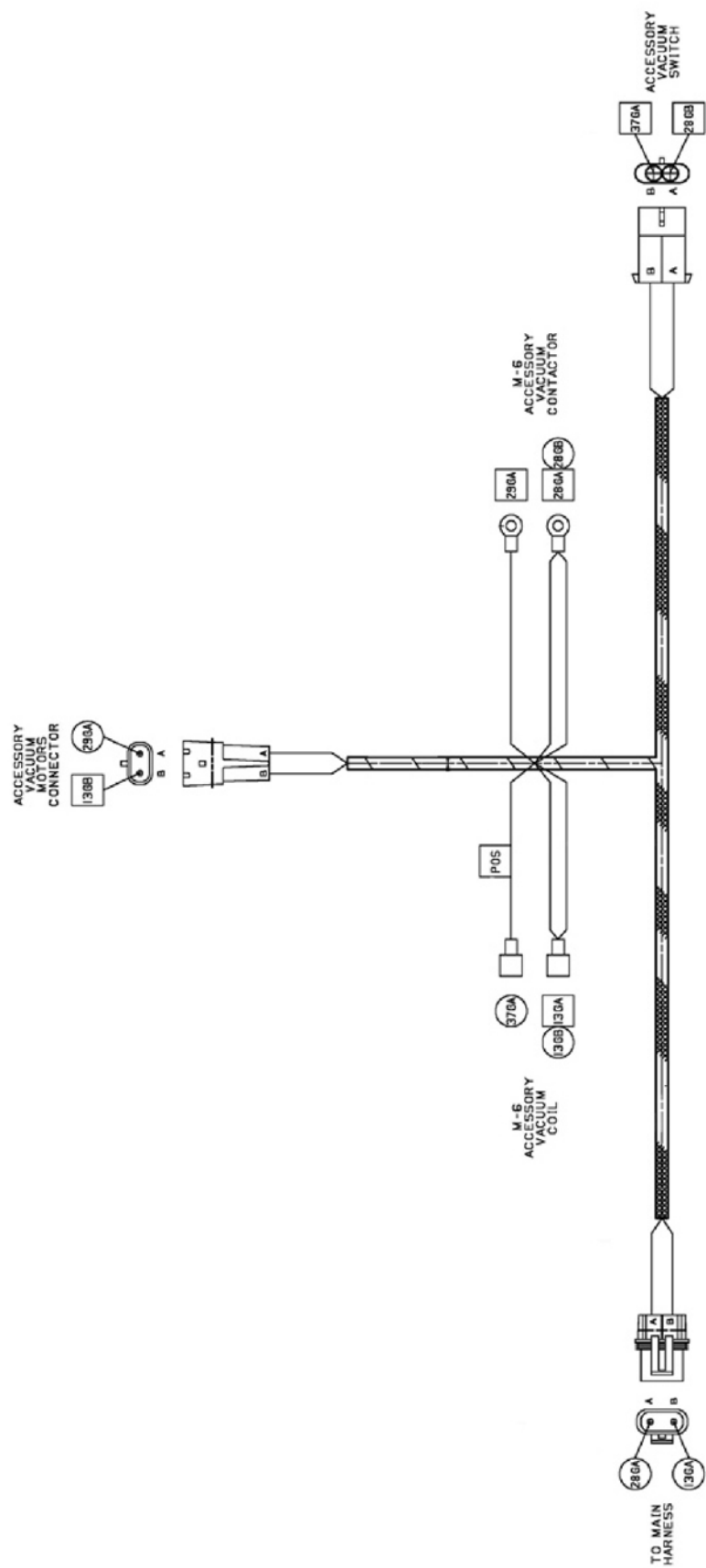


FIG. 4

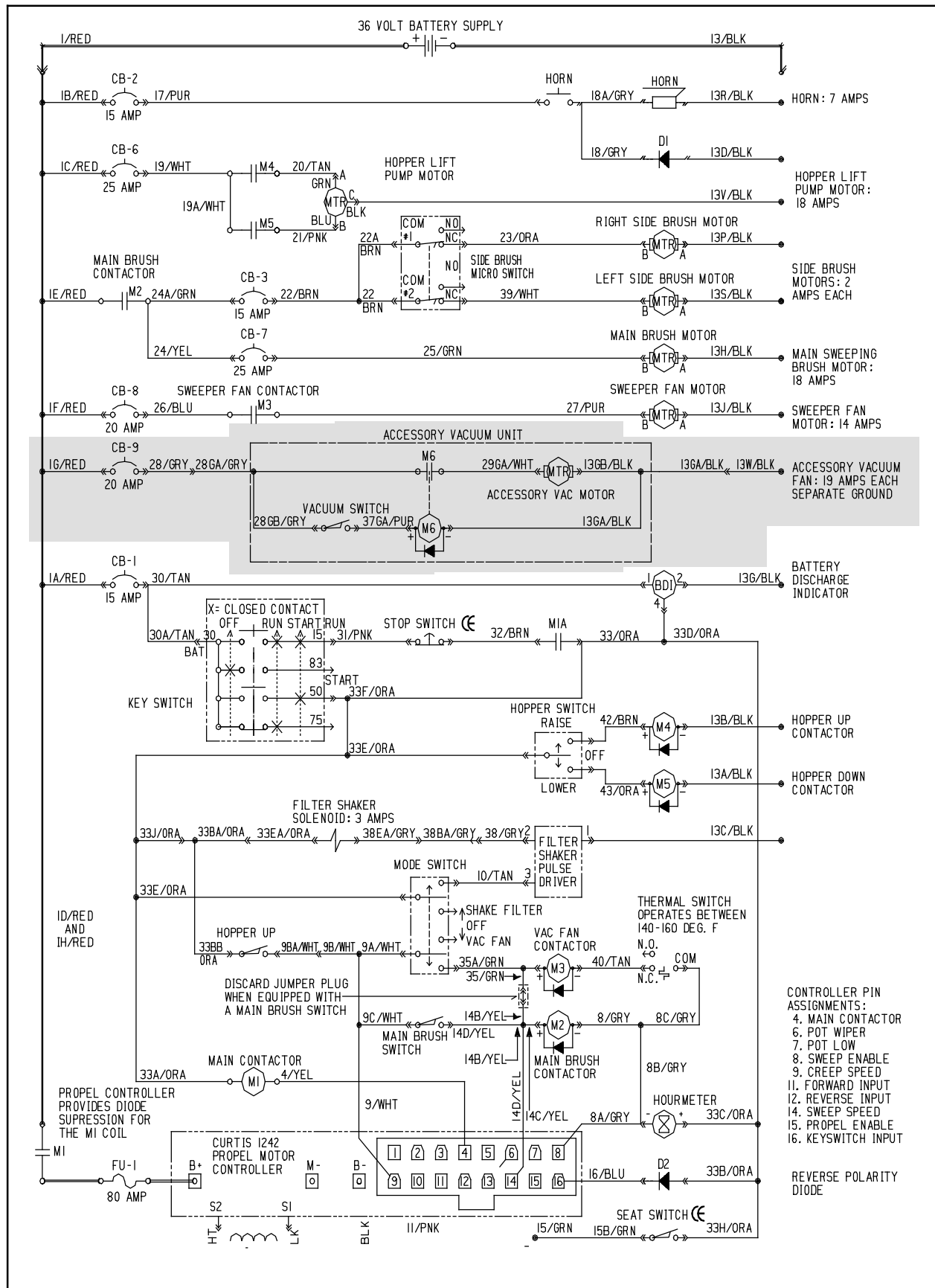


FIG. 5

Bill Of Materials For Wand Kit, Vacuum, 36vdc, CI [6200E] - 383887 - Fig. 1

Ref.	Tennant Part No.	Description	Qty.
1	83285	Cuff, Hose	1
2	83289	Hose, Flex	1
3	83286	Nozzle, Vac Wand	1
4	83287	Coupling, Vac Wand	1
5	83288	Tube, Vac Wand	1
6	80299	Coupling, Vac- Wand	1
7	83296	Bracket, Wand	1
8	39283	Screw, Hex, M10- 1.5 X 25, 8.8	2
9	32492	Washer, Flat, .38 Hard	3
10	07792	Nut, Hex, Flange, M10- 1.5	2
11	367403	Switch Assy, Roller, No	1
12	223198	Screw, Hex	2
13	383893	Bracket Wldt, Mtg, Switch	1
14	222244	Cam, Squeegee	1
15	383879	Rod Wldt, Handle	1
16	72763	Bearing, Flange	1
17	73370	Sleeve	1
18	04846	Washer, Thrust	1
19	06962	Screw, Hex, M10- 1.5 X 45, 8.8	1
20	41430	Nut, Hex, Lock, M10- 1.5, NI	1
21	25737	Spring, Tension	1
22	83309	Rod Wldt, Vac Wand	1
23	06943	Screw, Hex, M06- 1.0 X 20, 8.8	1
24	32490	Washer, Flat, .25 Hard	2
25	08708	Nut, Hex, Lock, M06- 1.0, NI	1
26	222268	Washer, Neoprene	1
27	39278	Screw, Hex, M08- 1.25 X 50, 8.8	1
28	64153	Washer	2
29	32491	Washer, Flat, .31 Hard	5
30	08709	Nut, Hex, Lock, M08- 1.25,NI	1
31	16931	Screw, Hex, M08- 1.25 X 20, 8.8	3
32	07791	Nut, Hex, Flange, M08- 1.25	3
33	383994	Harness, Motor, Vacuum	1

Bill Of Materials For Wand Kit, Vacuum, 36vdc, CI [6200E] - 383887 - Fig. 2

Ref.	Tennant Part No.	Description	Qty.
1	1057634	Fan, Vacuum, 5.7d, 036vdc, 3 Stage	1
2	10912	Seal, Rbr, Clsd, 0.375, 5.0d 2.5h	1
3	383885	Bracket Wldt, Mtg, Wand, Vacuum	1
4	1042580	Tube, 0.25id 0.52od 03.4l, Stl	3
5	1043003	Screw, Hex, M6 X 1.00 X 110mm, SS	3
6	08712	Nut, Hex, Lock, M06- 1.0, NI, SS	3
7	10632- 13	Grommet, Rubber	1
8	32984	Washer, Lock, Int, .31	2
9	20170	Nut, Hex, Jam, .31- 24	2
10	39349	Washer, Flat, .31 SAE	2
11	06942	Screw, Hex, M06- 1.0 X 16, 8.8	2
12	32483	Washer, Flat, .25 SAE	4
13	08708	Nut, Hex, Lock, M06- 1.0, NI	2
14	16931	Screw, Hex, M08- 1.25 X 20, 8.8	4
15	32491	Washer, Flat, .31 Hard	4
16	383724	Circuit Breaker, 25.0a, Resettable	1
17	386810	Contactor, 36vdc, 100a, Sp, No	1
18	606404	Diode Assy, W/ Ring Terminals	1
19	19234	Washer, Flat, 10, SAE	2
20	32980	Washer, Lock, Int, 10	2
21	01713	Nut, Hex, Std, 10- 32	2

Bill Of Materials For Wand Kit, Vacuum, 36vdc, CI [6200E] - 383887 - Fig. 3

Ref.	Tenant Part No.	Description	Qty.
1	383865	Box Wldt, Wand, Vacuum	1
2	383870	Channel, Screen, Horiz	1
3	06947	Screw, Hex, M06- 1.0 X 40, 8.8	4
4	32490	Washer, Flat, .25 Hard	4
5	08708	Nut, Hex, Lock, M06- 1.0, NI	7
6	86430	Hinge	1
7	06942	Screw, Hex, M06- 1.0 X 16, 8.8	8
8	32483	Washer, Flat, .25 SAE	8
9	383881	Cover Wldt, Wand, Vacuum	1
10	383877	Gasket, Cover	1
11	384211	Bar, Safety, Cover	1
12	16931	Screw, Hex, M08- 1.25 X 20, 8.8	1
13	32491	Washer, Flat, .31 Hard	1
14	1067452	Bag, Vacuum, Paper [1pick=1pkg of 10bag]	1
15	383896	Seal, Inlet, Wand, Vacuum	1
16	11531	Clamp, Wormdrive	1
17	384027	Bracket, Screen, Horiz	1
18	23709	Catch, Draw Pull	1
19	65441	Spacer	2
20	09252	Screw, Hex, M05- 0.8 X 20, 8.8	2
21	06549	Nut, Hex, Lock, M05- 0.8, NI	2
22	19066	Washer, Flat, #10	2
23	06961	Screw, Hex, M10- 1.5 X 20, 8.8	4
24	32485	Washer, Flat, .38 SAE	4
25	08709	Nut, Hex, Lock, M08- 1.25, NI	1
26	40823	Screw, Shoulder, .312D X 0.62L .25- 20	1
27	32981	Nut, Hex, Lock, .25- 20 NI	1
28	222496	Sleeve, .318B .496D .929 SS	4

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