



INSTRUCTION BULLETIN

No. 9015095
Machine: M17
Published: 01-2017
Rev. 00

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.

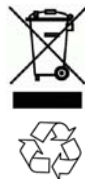
NOTE: Numbers in parenthesis () are reference numbers for parts listed in Bill of Materials.

Installation instructions for **kit number 9015024**

SYNOPSIS:

This kit contains the parts needed to replace the sweeping drive assembly on M17 sweeper- scrubbers.
Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: Tool, Installation, Belt [Lighting] - 1221590
(Estimated time to complete: 1.5 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:

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

1. Disconnect the battery cable from the machine.

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

2. Remove the sweeping brushes from the machine. Set the sweeping brushes and idler plate aside. Refer to *REPLACING THE MAIN SWEEPING BRUSHES* in the *MAINTENANCE* section of the *OPERATOR MANUAL* for instructions how to remove sweeping brushes.

3. Remove the left brush panel from the machine. Set the left brush panel and all mounting hardware aside. (Fig. 1)

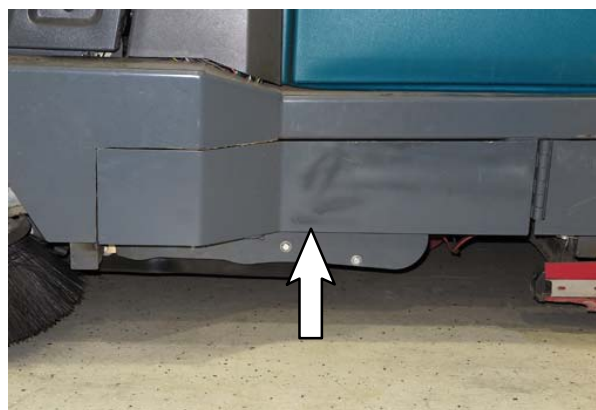


FIG. 1

INSTALLATION:

1. Remove the sweeping drive belt cover from the machine. Set the sweeping drive belt cover, SEMS M8 hex screws, M8 hex screws, and flat washers aside. (Fig. 2 / Fig. 4)

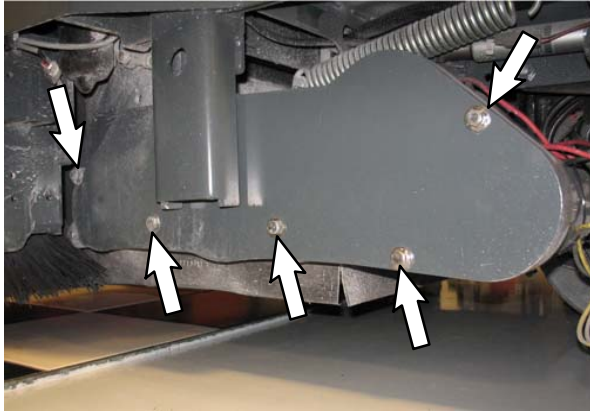


FIG. 2

2. Disconnect the main wire harness from the brush drive motors. (Fig. 4)
3. Remove the sweeping drive assembly from the sweeping brush housing. Set the three SEMS M8 hex screws aside. (Fig. 4)
4. Remove both belts from the sweeping drive assembly. Set the belts aside. (Fig. 4)
5. Remove the M6 hex screws securing the motors to the sweeping drive assembly. Set the M6 hex screws and flat washers aside. (Fig. 4)
6. Remove both sheaves from the sweeping drive assembly. Set the sheaves, M6 hex screws, Belleville washers, and flat washers aside. (Fig. 4)
7. Remove both idler pulleys from the sweeping drive assembly. Set the idler pulleys, hex screws, and flat washers aside. (Fig. 4)
8. Remove both brush drive plugs from the sweeping drive assembly. Set the brush drive plugs, M6 hex screws, Belleville washers, and flat washers aside. (Fig. 4)
9. Remove the wheel from the sweeping drive assembly. Set the wheel, cotter pin, and clevis pin aside. Discard the sweeping drive assembly. (Fig. 4)
10. Install the wheel removed from the removed sweeping drive assembly onto the new sweeping drive assembly (1). (Fig. 4)

11. Place key (8) into the notches in each drive shaft (2) where the brush drive plugs will be installed in the following step. (Fig. 4)
12. Install the brush drive plugs onto the sweeping drive assembly (1). (Fig. 4)
13. Install the brush drive motors onto the sweeping drive assembly (1). (Fig. 4)
14. Place key (8) into the notches in each drive shaft (2) where the larger sheaves will be installed in the following step. (Fig. 4)
15. Apply a coat of blue Loctite® 243™ onto the threads of the two M6 hex screws used to install the sheaves onto the drive shafts (2). (Fig. 4)
16. Install the both sheaves onto the drive shafts in the sweeping drive assembly (1). (Fig. 4)
17. Apply a coat of blue Loctite® 243™ onto the threads of the two hex screws used to install the two idler pulleys into the sweeping drive assembly (1). (Fig. 4)
18. Install the two idler pulleys into the sweeping drive assembly (1). (Fig. 3 / Fig. 4)

*NOTE: Be sure the shoulders on the idler pulleys are oriented out away from the sweeping drive assembly (1). **Do Not** install the idler pulleys with the shoulders oriented in toward the sweeping drive assembly.*



FIG. 3

19. Install both belts into the sweeping drive assembly (1). (Fig. 4)

NOTE: Belt Installation Tool 1221590 is required to reinstall the belts onto the sweeping drive assembly (1).

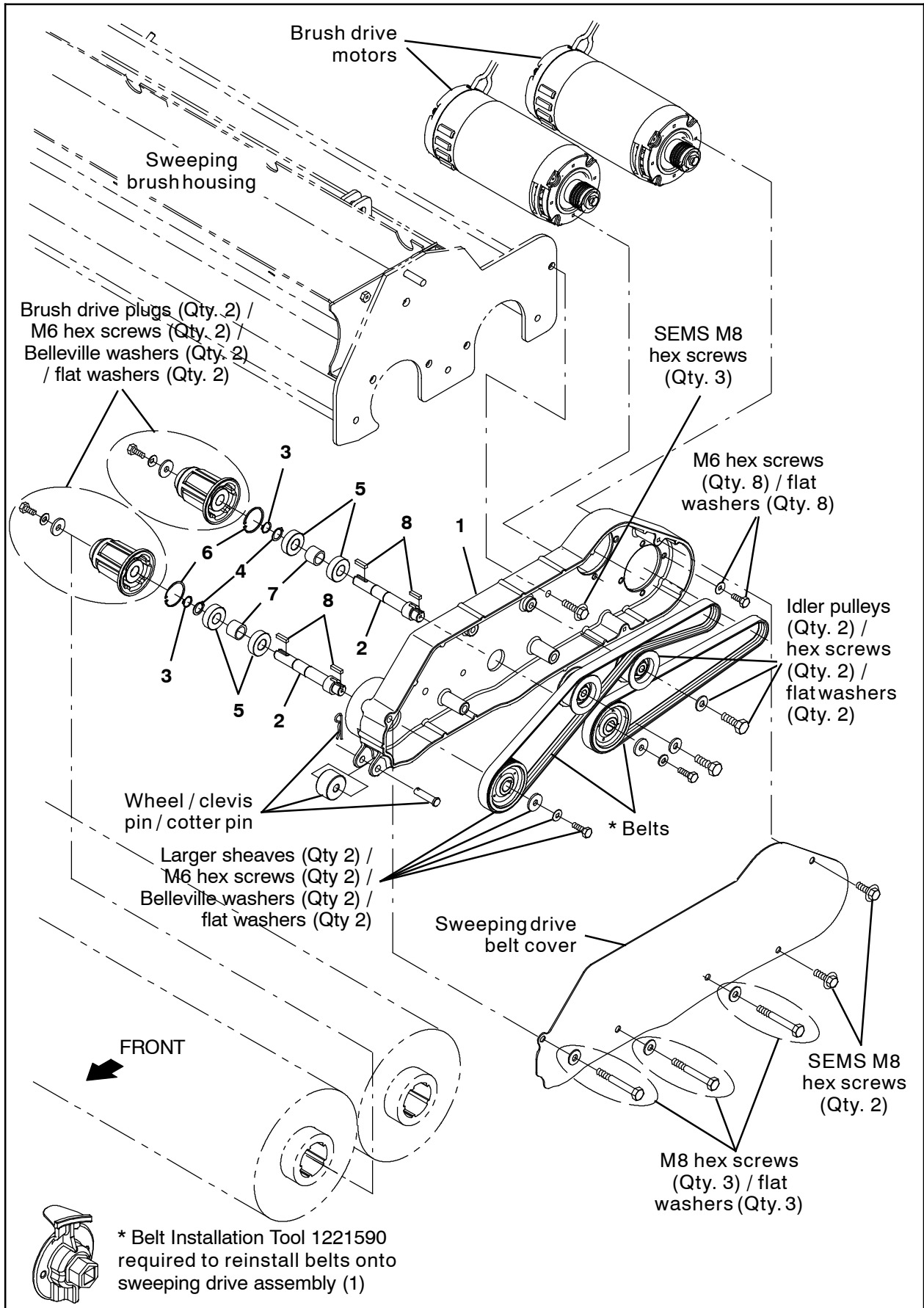


FIG. 4

20. Install the sweeping drive assembly (1) onto the sweeping brush housing and brush drive motors. (Fig. 4)
21. Reconnect the main wire harness to both brush drive motors.
22. Reinstall both sweeping brushes into the machine. Refer to *REPLACING THE MAIN SWEEPING BRUSHES* in the *MAINTENANCE* section of the *OPERATOR MANUAL* for instructions how to install the main sweeping brushes. (Fig. 3)
23. Reconnect the battery cable to the machine.
24. Start and test the machine. Set the machine into the sweep mode and observe the newly installed sweeping drive assembly (1). The belts / sheaves should rotate smoothly. There should not be any binding or excessive noise.
25. Reinstall the sweeping drive belt cover onto the sweeping brush housing.
26. Reinstall the left brush panel onto the machine.

Bill Of Materials For Drive Kit, Swp, Afmkt [M17] - 9015024

Ref.	Tennant Part No.	Description	Qty.
1	1219167	Plate, Drive, Brush, Main, Mach	1
2	1218065	Shaft, Drive, Main Sweep	2
3	01516	Ring, Retaining, Ext, 0.59D, Basic	2
4	18136	Ring, Retaining, Ext, 0.62D, Basic	2
5	28010	Bearing, Ball, 0.62B 1.38D 0.43W	4
6	01513	Ring, Retaining, Int, 1.38D, Basic	2
7	1219608	Spacer, Brg	2
8	000911	Key, Sq, 0.19 X 0.19, 0.75l	4

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