



INSTRUCTION BULLETIN

No. 9020661
Machine: T12/T16/
T16AMR
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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 9020660, 9020681, 9020685, 9020686, and 9021543**

Kit installation must be performed by TennantTrue[®] service or an authorized service provider.

SYNOPSIS:

This kit contains the parts needed to replace the drive wheel/drive wheel hub on T12/T16/T16AMR scrubbers.

Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 1 hour)



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. If scrub head is not raised, turn key switch ON, completely raise the scrub head, and turn key switch OFF.

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

2. Turn the steering wheel as far to the left as possible.
3. Remove the main scrub brush(es) and side scrub brush(es) from the machine. Set all scrub brushes aside.

INSTALLATION:

1. Place a chock behind both rear tires.
2. Remove the socket screws (Qty. 4) from the front wheel assembly. Discard the socket screws. (Fig. 1)



FIG. 1

3. Jack up the front end of the machine enough to access the drive wheel assembly. Place jack stands under the machine and lower the machine onto the jack stands. See *MACHINE JACKING* in the *MAINTENANCE* section of the *OPERATOR MANUAL* for additional instructions and safety information.

FOR SAFETY: When servicing machine, block machine tires before jacking machine up. Use a hoist or jack that will support the weight of the machine. Jack machine up at designated locations only. Support machine with jack stands.

4. Turn the steering wheel as far to the right as possible to allow easier access to the other side of the drive wheel assembly.
5. Use the hardware from the tire puller kit (3) to press the wheel from the drive wheel assembly. Tighten the screws evenly until the wheel comes freely from the drive wheel assembly. Discard the removed drive wheel assembly. (Fig. 2/Fig. 3)

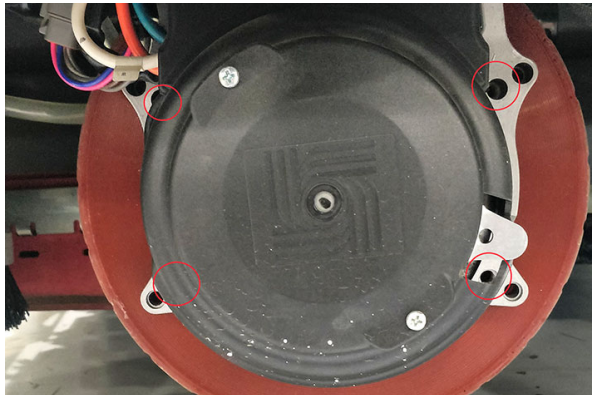


FIG. 2



EXTRACTORS

FIG. 3

6. Use the six socket screws from the screw kit (2) to install the new hub (1) onto the new wheel (1). Torque the socket screws to 20 Nm (14.75 ft. lbs.). (Fig. 5)
7. Place the new wheel (4) onto the drive wheel assembly and use two dowels from the tire puller kit (3) to align the holes in the wheel with the holes in the drive wheel assembly. (Fig. 4/Fig. 5)



FIG. 4

8. Loosely hand tighten the two flange screws from the screw kit (2) into the wheel and the drive wheel assembly until the wheel is loosely secured into place. (Fig. 4/Fig. 5)
9. Remove the alignment dowels from the tire puller kit (3) from the drive wheel assembly.
10. Loosely hand tighten the two remaining two flange screws from the screw kit (2) into the wheel and the drive wheel assembly. (Fig. 4/Fig. 5)
11. Tighten the previously installed hex screws (Qty. 4) to 40 Nm (29.5 ft. lbs.). Use a star pattern to evenly tighten the hex screws. (Fig. 4/Fig. 5)

NOTE: It may not be possible to achieve final torque with machine jacked up from the floor. It may be necessary to tighten the hex screws to correct torque after the machine is lowered to the floor.

12. Jack the machine up off the jack stands, remove the jack stands from under the machine, and lower the machine to the floor.

13. If necessary, tighten the hex screws (Qty. 4) to the correct torque.
14. Reinstall the main brush(es) and side brush(es) onto the machine.
15. Start and test the machine. Machine should move freely when operated in both forward and reverse, and when cornering.

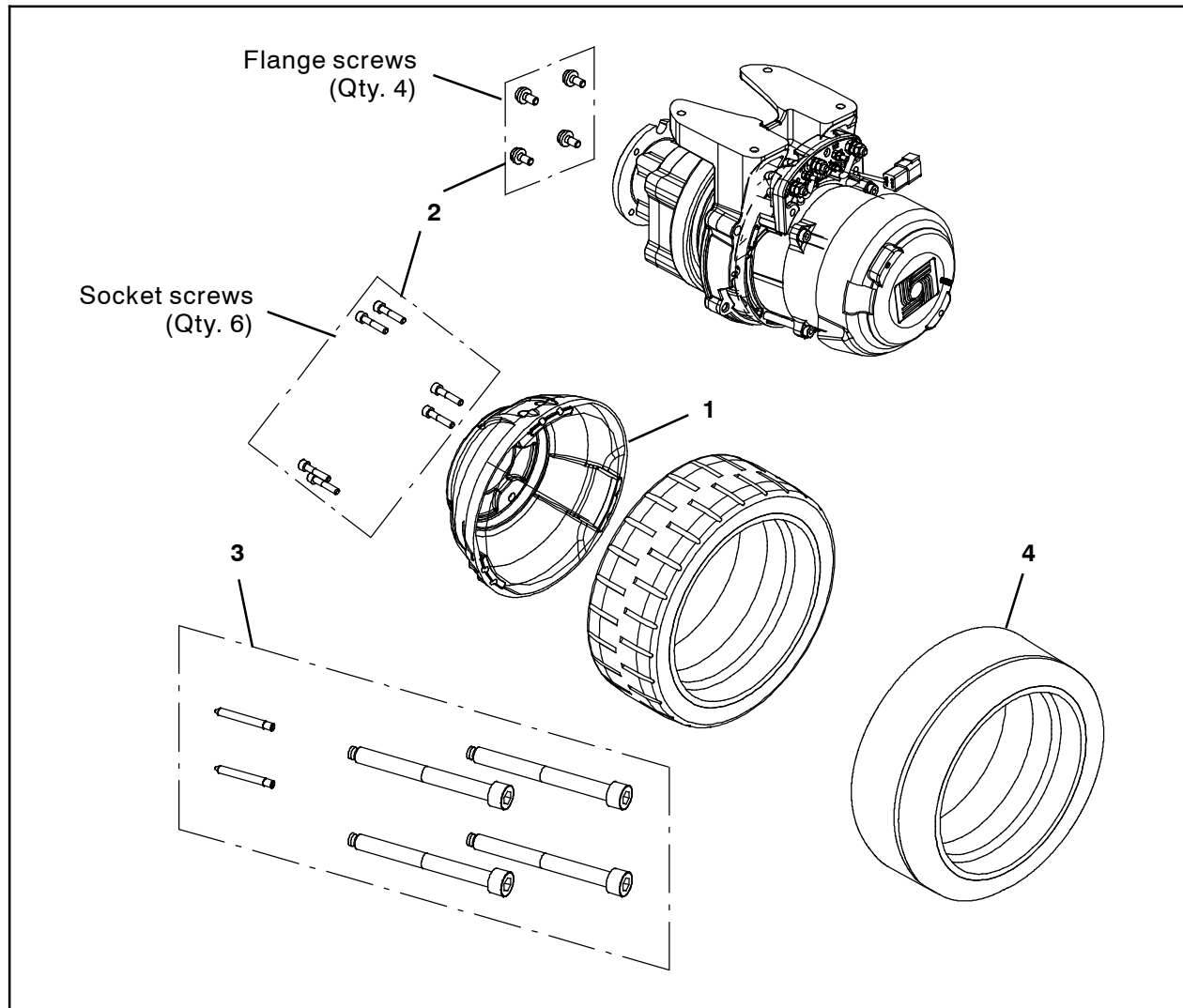


FIG. 5

Bill Of Materials For Wheel And Hub Kit, Red [T16] - 9020660

Ref.	Tennant Part No.	Description	Qty.
1	9020657	Vr, Hub, Alm	1
2	9020658	Vr, Screw Kit	1
3	9008544	Vr, Tire Kit, Puller	1
4	9008545	Vr, Wheel, Pyu [300X100 Red]	1

Bill Of Materials For Wheel And Hub Kit, Blue [T16] - 9020681

Ref.	Tennant Part No.	Description	Qty.
1	9020657	Vr, Hub, Alm	1
2	9020658	Vr, Screw Kit	1
3	9008544	Vr, Tire Kit, Puller	1
4	9012602	Vr, Wheel, Pyu [300X100 Blue]	1

Bill Of Materials For Wheel And Hub Kit, Blue [T12] - 9020685

Ref.	Tennant Part No.	Description	Qty.
1	9020657	Vr, Hub, Alm	1
2	9020658	Vr, Screw Kit	1
3	9008544	Vr, Tire Kit, Puller	1
4	9012603	Vr, Wheel, Pyu [250X90 Blue]	1

Bill Of Materials For Wheel And Hub Kit, Red [T12] - 9020686

Ref.	Tennant Part No.	Description	Qty.
1	9020657	Vr, Hub, Alm	1
2	9020658	Vr, Screw Kit	1
3	9008544	Vr, Tire Kit, Puller	1
4	9011048	Vr, Wheel, Pyu [250X90 Red]	1

Bill Of Materials For Wheel And Hub Kit, Blue [T16AMR] - 9021543

Ref.	Tennant Part No.	Description	Qty.
1	9020657	Vr, Hub, Alm	1
2	9021565	Vr, Screw Kit, Hub	1
3	9008544	Vr, Tire Kit, Puller	1
4	9012603	Vr, Wheel, Pyu [250X90 Blue]	1

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