



INSTRUCTION BULLETIN

No. 3756
Machine: 5700
Published: 11-97/02
System: SCRUBBING

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 222863

SYNOPSIS / PROBLEM:

This kit contains the parts needed to replace the cylindrical scrub brush drive hub seal and shield bracket on the model 5700 scrubber. The old seal and bracket may allow dirt and debris to come in contact with the brush drive belt and drive hubs, causing premature wear. The new seal and bracket will eliminate this problem. This kit also has a brush drive belt shield included. This shield needs to be installed if the machine is not already equipped with one. Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: None

(Estimated Time to complete: 1 hour)

PREPARATION:

(Refer to FIG. 1)

1. Lower the scrub head to the floor. (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.

NOTE: The scrub brush drive seal area is much easier to service, and a more accurate job of applying the RTV sealant is accomplished if the scrub head is removed from the machine and turned upside down. (Refer to Fig. 1)

2. Raise the solution tank until the prop rod is engaged.
3. Remove the four M8 hex screws holding the front cover to the machine. Remove the cover.
4. Disconnect the solution line running from the solution tank to the scrub head.
5. Unplug the scrub head wire harness from the main harness.
6. Remove the cotter pin and clevis pin from the bottom of the head lift actuator.
7. Remove the clevis pin and roller from the scrub head tilt cam.
8. Remove the two hair pins and two clevis pins connecting the scrub head to the scrub head lift arms.
9. The scrub head can now be pulled out and removed from the machine. (Refer to Fig. 1)
10. Tip the head upside down and remove both scrub brushes from the scrub head. (Refer to Fig. 1)

TO INSTALL SEAL AND BRACKET:

(Refer to FIG. 1)

1. Slide the new deflector skirt (5) on the new shield bracket (2). (Refer to Fig. 1)
2. Install the new shield bracket (2) on the scrub head. (Refer to Fig. 1)
3. Use RTV sealant to seal all openings around the scrub head casting and shield bracket. (Refer to Fig. 1)

NOTE: Place a few drops of engine oil on the groove surface that the new seal will ride in.

4. Install the new drive plug seal ring (1) on the scrub head casting. Push into place. Light tapping with a rubber hammer may be required.

NOTE: Make sure the brush drive plug rotates freely with the new seal installed.
(Refer to Fig. 1)

5. Reinstall the scrub brushes. (Refer to Fig. 1)
6. Position the scrub head in the front of the machine and reconnect the two lift arms to the scrub head. Reinstall the two clevis pins and two hair pins.
7. Reinstall the roller and clevis pin through the tilt cam.
8. Reinstall the clevis pin and cotter pin in the bottom of the lift actuator.
9. Reconnect the scrub head harness to the main harness. Reconnect the solution hose to the scrub head.

TO INSTALL BELT SHIELD

1. Remove the belt guard. Retain the belt guard and hardware. (Refer to Fig. 1)

NOTE: The larger of the two radiuses on the belt shield (3), is positioned so it points to the rear of the scrub head. (Refer to Fig. 1)

2. Install the new belt shield (3) on the brush motor. (Refer to Fig. 1)

NOTE: The belt guard has a slit in the top of the radius that is used for installation without removing the brush drive belt. (Refer to Fig. 1)

3. Reinstall the belt guard using the existing hardware. Make sure the hardware goes through both the belt guard and belt shield. Tighten the hardware to 9 - 12 Nm (6 - 8 ft lb). (Refer to Fig. 1)
4. Reinstall the front cover on the machine.

BILL OF MATERIALS FOR SEAL REPLACEMENT KIT 222863

TENNANT			
Ref.	Part No.	Description	Qty.
1	222820	Ring seal	1
2	222850	Shield bracket	1
3	222791	Belt shield	1
4	08317	RTV sealant	1
5	222511	Skirt, deflector	1

TENNANT COMPANY
P. O. Box 1452
Minneapolis, MN 55440-1452