



Technical Service Bulletin

MODEL(S)
AFFECTED: **Tennant M20/T20**

SUBJECT: Water leaking from the recovery tank expandable plug opening.

PURPOSE: Adjust the drain plug and/or sand the drain plug opening to stop water from leaking from the recovery tank expandable plug opening.

- NOTES:
1. Completely empty the recovery tank. Refer to Operators Manual for instructions.
 2. **M20 Only:** Raise the hopper to the lower support position and engage the hopper support pin.
WARNING: Lift arm pinch point. Stay clear of hopper lift arms.
WARNING: Raised hopper may fall. Engage hopper support pin.
T20 Cylindrical Brush Machines Only: Remove the debris tray from the debris tray carriage.
 3. Remove the expandable drain plug from the recovery tank and clean the plug. Refer to Fig.1.
 4. Thoroughly clean all dirt and sand down from both sides of the recovery tank, and out the drain hole in the bottom of the recovery tank. Be sure there is no sand and debris in the drain hole.
 5. **M20 ONLY:** Raise the hopper to the highest support position and engage the hopper support pin.
WARNING: Lift arm pinch point. Stay clear of hopper lift arms.
WARNING: Raised hopper may fall. Engage hopper support pin.

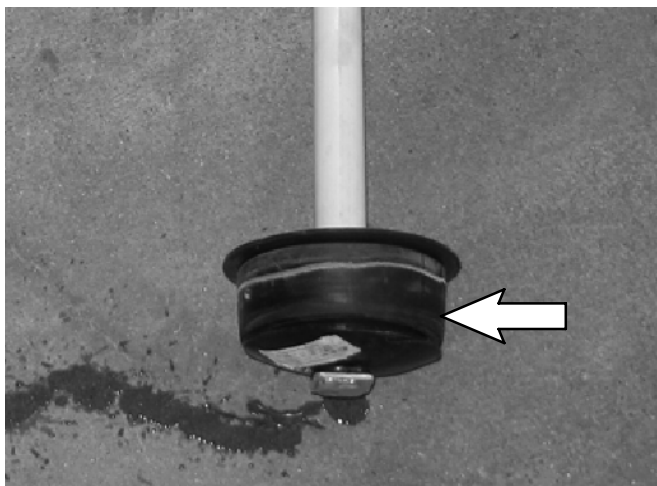


Fig. 1: Clean all dirt from the drain plug. The drain plug will not seat properly in the recovery tank drain hole if there is excessive dirt on the plug.

NOTES:

6. Ensure the surface of the recovery tank drain hole where the expandable plug is seated is rough. If the drain hole surface is smooth or shiny where the drain plug touches the drain hole surface, use 80-grit sandpaper to roughen the surface. Refer to Fig. 2.

7. **M20 ONLY:** Remove the hopper support pin and lower the hopper.

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

T20 ONLY: Reinstall the debris tray into the debris tray carriage.

8. Reinstall the expandable plug into the recovery tank drain hole. The plug must be snugly seated in the drain hole and the flange must be flush against the recovery tank floor. Refer to Fig. 3.

9. Adjust the plug for a proper fit in the drain hole. The plug handle should be in the open (loose) position when testing the fit in the drain hole. Turn handle clockwise to expand plug for a tighter fit. Turn handle counterclockwise to contract plug for a looser fit. Be sure to hold onto the plug portion of the drain plug, not the shaft, when turning the handle to tighten or loosen the plug. Refer to Fig. 4.

Questions, contact the Tennant Customer Service Department at (800) 553-8033 or (763) 513-2850.

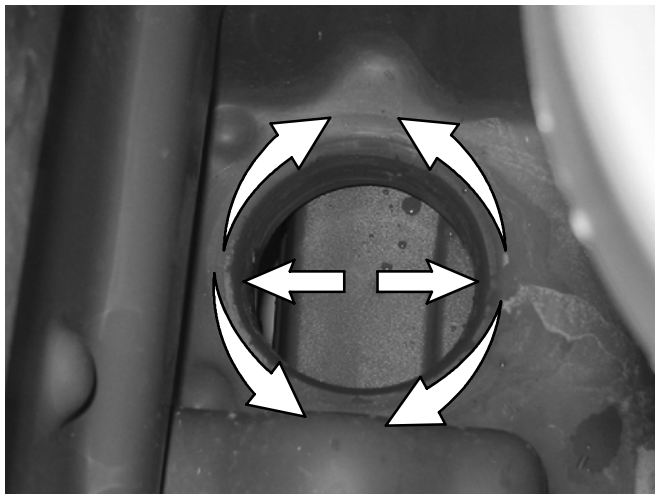


Fig. 2: Sand in a clockwise / counterclockwise radial motion around the drain hole to roughen the surface.



Fig. 3: The plug must be snugly seated in the drain hole and the flange must be flush against the recovery tank floor.



Fig. 4: Turn handle clockwise to expand plug for a tighter fit. Turn handle counterclockwise to contract plug for a looser fit. Be sure to hold onto the plug portion of the drain plug, not the shaft, when turning the handle to tighten or loosen the plug.