

## Technical Service Bulletin



MODEL(S)  
AFFECTED:

**Tennant M20**

**SUBJECT:** Hopper shaker motor fuse FU-2 being blown due to the shaker motor stalling when the counter weight hits the hopper cover.

**PURPOSE:** Make necessary adjustments so the counter weight does not hit the hopper cover when the filter shaker is operated.

**NOTES:** 1. Start the machine and raise the hopper to the middle support position, engage the hopper support pin, and turn off the machine.

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

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

2. Open the filter cover and rest it against the recovery tank.

3. Loosen the two set screws holding the counter weight onto the shaker motor and position the counter weight 1/2" from the shaker motor. Tighten both set screws. Note: It may not be possible to tighten either set screw against the flat portion of the shaker motor shaft after the counter weight is positioned 1/2" from the motor. Tighten the set screws against any portion of the motor shaft.

4. Slide the shaker completely to the left. Inspect the hopper cover. The counter weight should not touch the hopper cover.

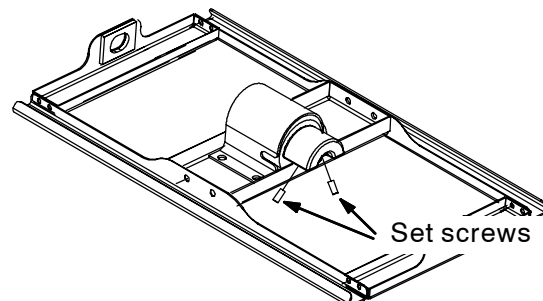
5. If the counter weight still touches the hopper cover, grind some material from the area of the hopper cover where the counter weight is touching.

6. Start the machine and lower the hopper. Press the filter shaker button several times to ensure the filter shaker operates properly.

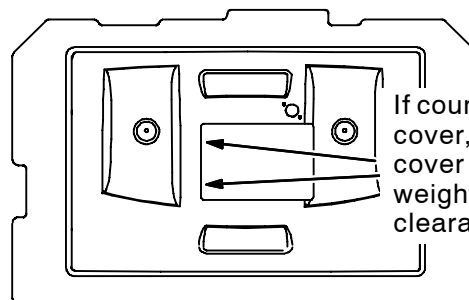
Questions, contact the Tennant Customer Service Department at (800) 553-8033 or (763) 513-2850.



There must be 0.50"  
between shaker motor and  
counter weight



Set screws



If counter weight touches  
cover, grind material from  
cover to give counter  
weight additional  
clearance to move