

Agra Tech Inc. products are designed and manufactured to provide reliable performance, but they are not guaranteed to be 100% free of defects. Even reliable products will experience occasional failures and the user should recognize this possibility.

Warning: If these products are used in a life support ventilation system where failure could result in loss or injury, the user should provide adequate back-up ventilation, supplementary natural ventilation or failure alarm system, or acknowledge willingness to accept the risk of such loss or injury.

MAINTENANCE:

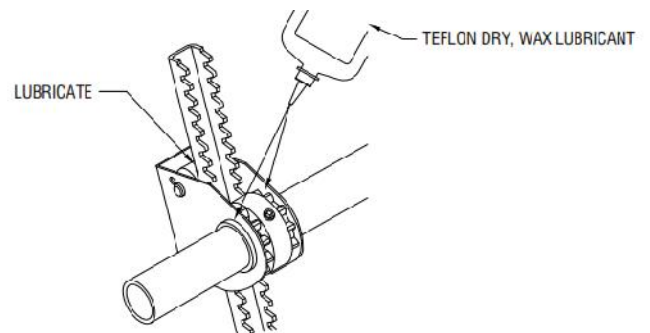
As you enter into spring growing don't forget to properly maintain your vents. All vents require periodic adjustments and proper maintenance, no matter what type you have installed.

Properly aligning and maintaining your vent is important, particularly if you use automation. Check your vents routinely. Preventive maintenance of your vents is simple and costs very little.

1. Check the Racks to make sure they are straight.
2. Check pinions for wear
3. Close vent and check Bottom Rail closure against header. If you see gaps, loosen pinions pull Rack down and re-tighten.
4. After any earth movement, such as an earthquake, check Rack & Pinions and make sure they are straight and nuts and bolts are tight.

It is important to lubricate wherever metal touches metal. That is why we recommend that you lightly lubricate the pinion bearing. This will not only keep your vents operating for a longer period of time, but it will also give you a smoother, quieter vent.

Re-lubricate the pinions every 6 months with Teflon Dry, Wax Lubricant. A 4oz bottle was sent with the original shipment. More can be purchased from Agra Tech, or can be obtained locally.



CAUTION

If you are experiencing a power outage and need to open the vent to save the crop or close the vent to protect the house, disconnect all power from your motor and manually turn the motor using hex key allen wrench. It is recommended that a fully charged battery operated screw gun with the proper size hex key is always available for emergencies. **(Note: human safety must come before all, make absolutely certain that the power source is removed and personnel are not endangered while accessing the motor.)**

WEATHER NOTICE: Vents can be damaged by high winds or snow. Vents that are open during extreme wind conditions can increase the wind load on the entire structure and could result in damage including collapse. Override sensors that will automatically close vents at wind speeds of no more than 25mph should be installed.

VENT STARTUP & TROUBLE SHOOTING:

Once vent installation is complete operate the vent several times and carefully watch and listen during installation.



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(Caution: if you have an Agra Tech Gearmotor the limit switches must be set prior to initial operation. See control section of instructions.)

Check Bottom rail alignment:

If the bottom rail does not seal completely when vent is in closed position, leaving gaps between the bottom rail and the header, loosen setscrews in the pinion and reposition the bottom rail. If the problem is the installation of the header or purlins, straighten and reinstall correctly.

Check that the bottom rail is straight when vent is open. If the bottom rail sags anywhere along the vent it may be an indication that the vent pinion set screws are slipping. To correct this, close the vent, loosen the setscrews to realign the bottom rail and rack, retighten the pinion setscrews.

Smooth operation:

If the vent makes any loud popping or snapping noise or jerks when closing it may mean that the top rail is not fully inserted in the hinge or ridge in that spot. If inspection shows that the top rail is fully inserted continue inspection until the cause of the problem has been pinpointed and corrected.

Rack alignment:

The racks must be aligned so that they are 90 degrees from the shaft and bottom rail. Any racks that are out of alignment must be realigned to avoid excessive wear of pinion and rack. A rack that has shifted out of alignment may indicate loose pinion set screws. To fix, loosen set screws in pinion, align rack, retighten set screws.

Vent edge trims or corner trims:

Check that trims do not catch on house during operation of vent.