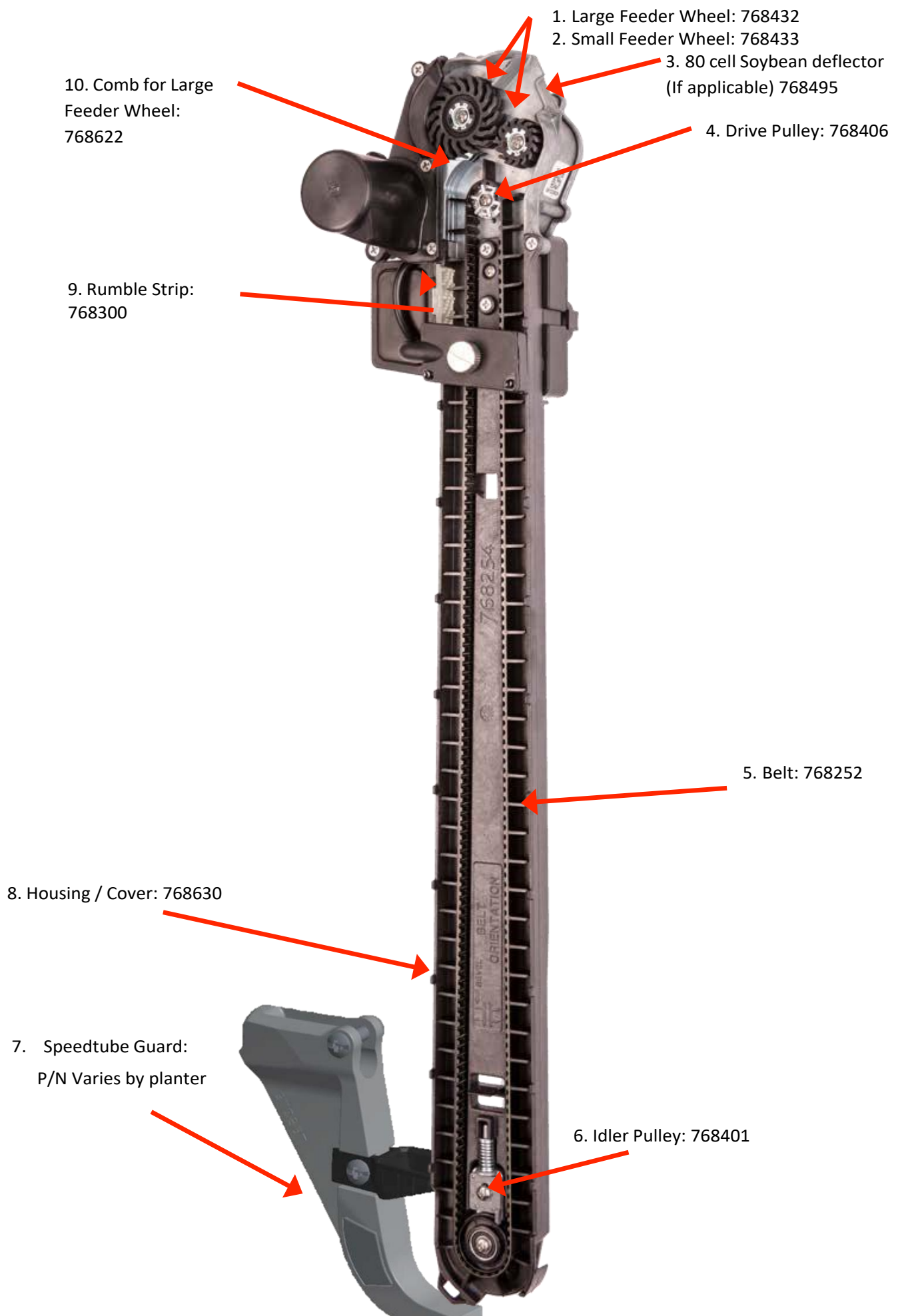


SpeedTube™

SpeedTube Maintenance Detail

Precision Planting®



Frequently Serviced Items

1. Feeder Wheel Wear

Physical wear of feeder wheels and buildup of seed treatment, talc and graphite can reduce the wheel's ability to properly grip seed and transfer to the SpeedTube belt. **Annual replacement is recommended.**



New, unworn feeder wheels



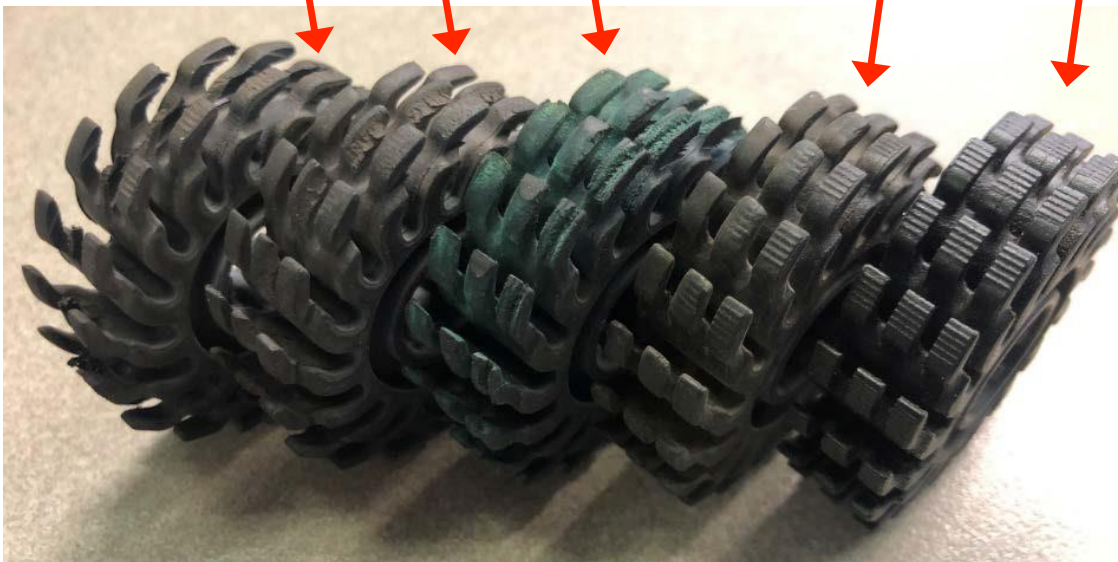
Bumps worn off on feeder wheels on side closest to seed disk— Should be replaced if wear is present effecting SRI.

Left small feeder wheel is considered abnormal wear. This can happen when the soybean seed deflector is left installed while not using the 80 cell soybean disk

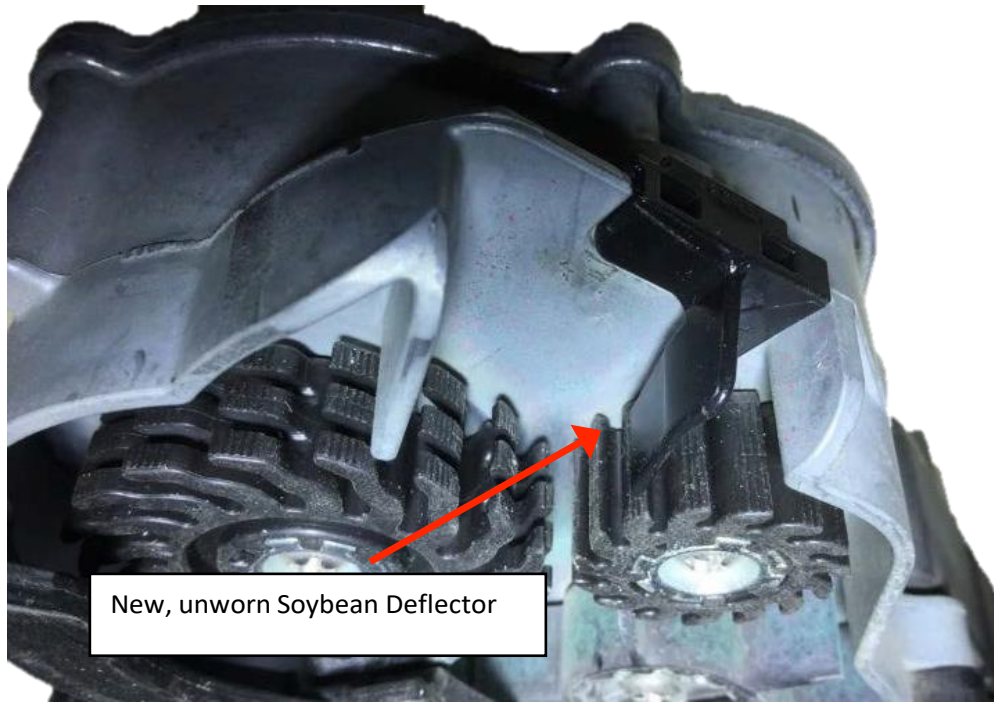


Worn to point of replacing

New / OK to continue running



2. 80 Cell Soybean Deflector



Inspect Annually, replace as needed

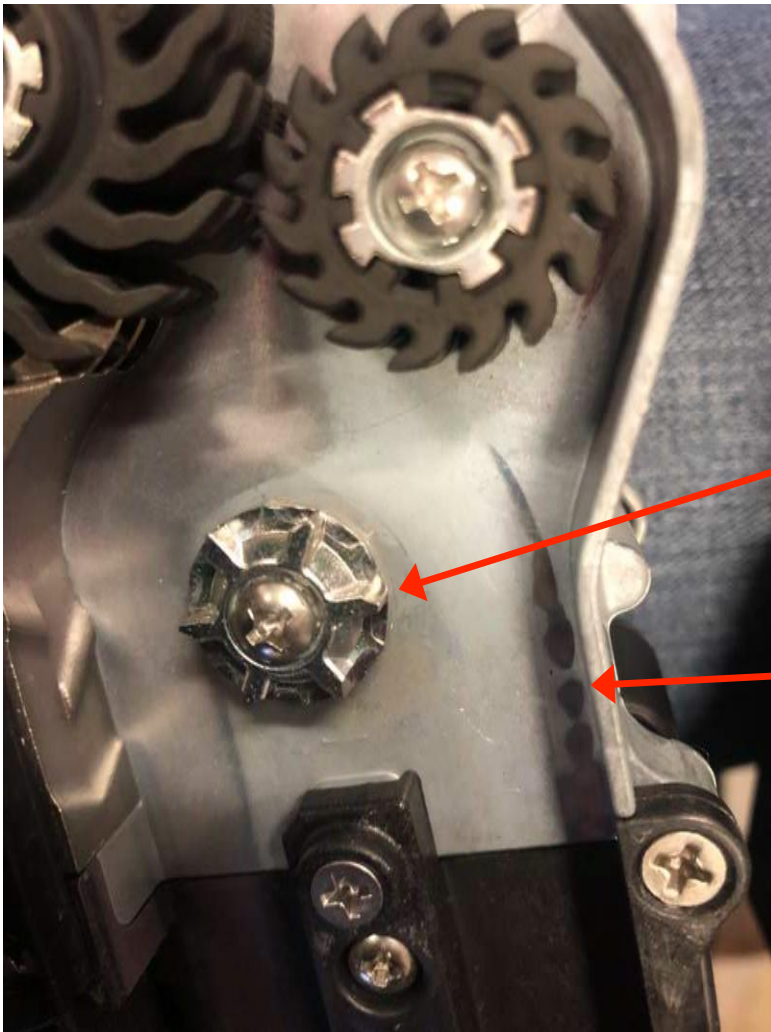
3. Drive Pulley Wear



New drive pulley



Worn drive pulley teeth – Should be replaced



Should be replaced

Note: This wear from the belt is normal

6. Belt



Torn or Missing Flights



Split Belt



Split Belt

7. SpeedTube Idler Pulley Inspection

Be sure that the SpeedTube belt is centered in between the cover and the housing. If offset, the lower idler assembly should be replaced.



Center rib offset
pushing belt to one side



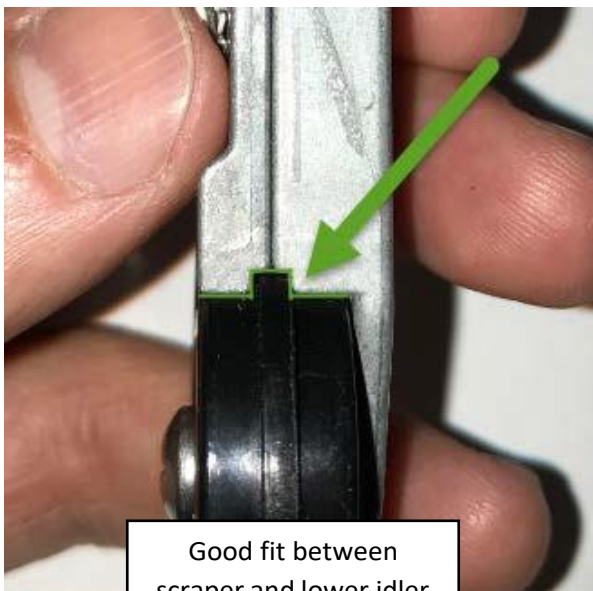
Belt offset and dragging
causing high friction



Belt centered between
housing and cover

7. SpeedTube Idler Pulley Inspection Continued...

1. Check that the scraper matches the center rib of the idler pulley well.
 - a. Excess wear of the scraper will allow dirt to build up on the idler, spreading out the rib of the belt and causing cracking in the center of the belt as pictured above.
 - b. It is best to replace the full idler assembly (wheel and scraper) together to ensure proper alignment.
2. Re-tension the belt after removing or starting a new season by loosening the screw on the lower idler pulley, spin the belt by hand to let the spring self-tension and then re-torque the screw.



Good fit between scraper and lower idler wheel

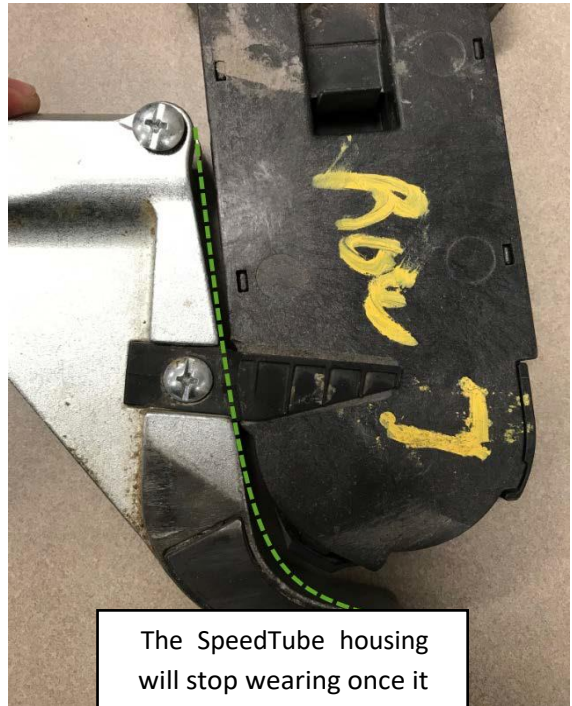


8. SpeedTube Housing and Cover: External Wear

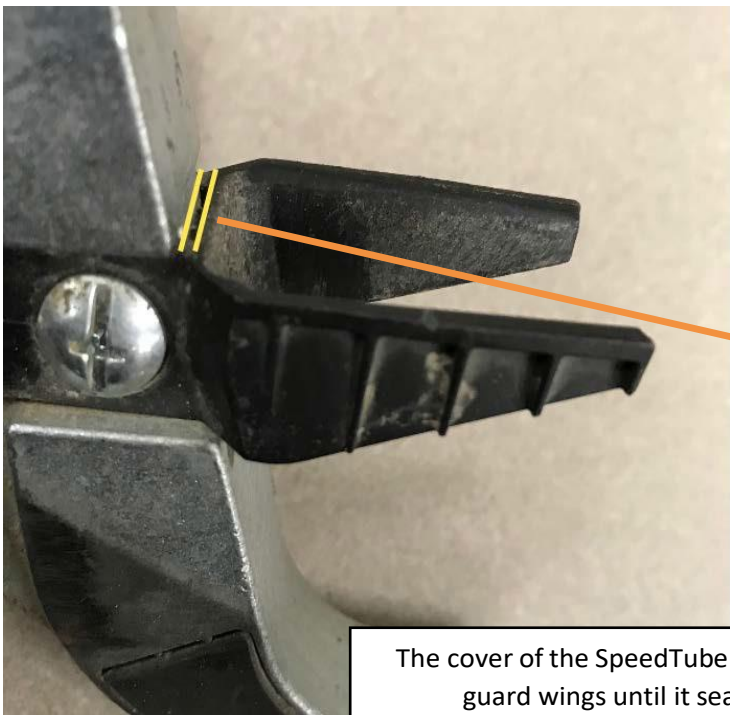
The SpeedTube guard has a wear in period on the front side of the SpeedTube cover due to contact with poly wings. This will wear until the tube seats against the guard and is normal and acceptable. It will not wear beyond this point once it seats into the cover.



Expected and normal wear. Has not worn through the second layer of poly.



The SpeedTube housing will stop wearing once it meets the cast guard.



The cover of the SpeedTube will wear against the SpeedTube guard wings until it seats against the metal guard.

8. SpeedTube Housing: Internal Wear

Monitoring wear on the lower radius of the SpeedTube housing is critical to spacing performance. Excess wear on the bottom of the tube can eject the seed upward instead of rearward and to the ground. This can result in shallow planted seeds and poor spacing.



New Cover with metal wear strip

Old cover **without** metal wear strip. Note the wear. **Replace**



New metal wear strip



The metal strip is worn once the wear is half the width of the non-wear area and creates a "ski ramp": **Replace**

9. Rumble Strip



New housing insert (top) vs. worn housing insert (bottom)
– Replace when bumps are worn down/broken off



New insert installed in housing

10. SpeedTube Large Feeder Wheel “Comb” Insert



Good feeder wheel comb vs worn

Note: Pictured are an earlier version of Feeder Wheel Combs (distinguished by three pieces pressed together). Feeder wheel combs have been updated to a hardened insert.



New Feeder Wheel Comb Installed

11. SpeedTube Guard



Measure the thickness of the guard at the center of the bottom curve on the back side.

Guard should be replaced if the measured distance is 0.64 inches or less

Also make sure the hardened area is not cracked, chipped, or worn.