

	Problem	Possible Cause	Solution
Decks			
	Decks creep sideways.	Restrainer straps not installed or have fallen off.	Install or replace straps.
	Decks lift out of position.	Deck is not locked under rear edge of cutter bar. Hold down clips on back panels are loose or are not installed.	Place deck in proper position. Tighten or replace.
	Decks will not shift.	Poor electrical connections. Electrical cable not plugged into windrower or control box. Damaged hyd. Motor or shift valve. Decks or back panels jammed or binding.	Trace and repair. Check connections. Replace motor or valve as required. Check decks and clean out debris.
Draper			
	Draper not tracking straight.	Drive or idler roller out of alignment. Draper splice not cut straight. Material building up on rollers. Non v guide drive rollers installed.	Adjust draper tracking. Re-punch connector bar holes in draper. Clean rollers. If all else fails, replace std. drive roller with V guide roller and guided canvas.
	Draper slipping.	Draper too loose. Unit assembled with non vulcanized drive roller. Draper is snagging.	Adjust draper tension. Install vulcanized drive rollers. Check alignment. Look for obstructions.
	Draper not turning.	Draper is snagged or caught. Flow control is shut off. Oil flow is being by-passed.	Check for interference (ie. deck runner). Adjust flow control. Check relief valve setting/remove and clean relief cartridge.
	Draper oil pressure in excess of 2200 psi.	Material build up on rollers. Faulty bearing in roller. Draper too tight. Faulty draper motor.	Clean rollers. Replace bearing. loosen draper. Check motor temperature, check for oil leaking from shaft seal. Replace motor.
Hydraulics			
	Temperature High	Excessive oil going over reliefs. Faulty pump or motors. Draper too tight or not tracking. quick couplers case drain restriction Oil too light.	Check reliefs on flow controls. Repair or replace as required. Adjust draper alignment. Check to make certain proper connection is made. Remove orifice. Refill with correct grade (as per windrower op. manual).
Knife			
	Knife won't run.	Low hydraulic oil. Cutter bar jammed. Faulty drive motor. Faulty knife drive. Faulty hydraulic pump. Knife gummed.	Add oil. Determine cause of oil loss (as per windrower op. manual). Check for damaged guards or sections. Repair or replace motor. Repair or replace. Check windrower operator's manual. Clean cutter bar.
	Knife stalls easy.	Type of material being cut. Main pressure relief set to low. Bent guards or cutter bar. Worn spacer bars. Faulty knife drive. Seized knife head bearing. Knife gummed up. Knife head out of alignment.	Reduce ground speed. Increase pressure as per op. manual. Repair or replace. Replace spacer bars or replace bars with spacer rollers. Check for loose crank shaft. Replace. Soak with diesel fuel, or wash with pressure washer. Adjust knife head bearing.
	Unloaded system pressure too high.	Faulty draper motor. Unit new all components stiff.	Repair or replace. Allow for break-in period.

		Relief valve stuck open.	Remove & clean or replace cartridge.
Knife running too slow.	Flow control cartridge set low. Knife not up to speed. Low oil level. Relief valve stuck open. Low oil volume. Wrong motor size. draper slowing down(in series) Worn pump or motor.		Set control higher on main manifold block (as per op. manual). Calibrate windrower (using code 0) 700rpm -ws max Add oil, locate cause and repair. Remove and clean or replace cartridge. Reset volume, 19.5 gpm required at knife drive.700-ws 600 gb Repair or replace. Check windrower op. manual for specs.
Excessive vibration.	Check oil volume (19.5 gpm @ k/d) Loose or damaged k/h brg. Loose knife head bolts. Damaged sickles or guards.		Reset if needed.(max 700rpm at flywheel-ws) 600-combine hd Replace bearings. Tighten. Replace.
Excessive noise.	Guards damaged or out of alignment. Knife drive bearing faulty. Knife drive loose. knife hd brg block bolts loose Knife head not aligned with guards.		Straighten or replace. Replace. Tighten bolts and check for damage to housing. Loosen clamp bolt on knife head bearing and adjust.
Knife leaves strip of crop standing.	Excessive ground speed. Bent or broken guard. Broken knife section.		Slow down. Straighten or replace. Replace.
Connector bar breaks.	Damaged sections or guards. Knife gummed up. Old style connector bar. Section bolts not tight. Sections on knife back installed on wrong side.		Repair or replace. Soak with diesel fuel, or wash with pressure washer. Replace with new heavy duty connector bar. Tighten or replace. Remove sections, turn knife over and replace sections.
Knife head brg. bolt will not stay tight.	Oil flow to the knife drive is incorret.		Knife drive flywheel must turn counter clockwise.
Knife head breaks	Section bolts not tight. Old style knife head being used. New style knife head miss aligned Knife gummed up. Damaged sections or guards. Dull sickle sections or guards. Tough crop. Knife drive running to fast.		Tighten and/or replace bolts. Install new cast head with steel sleeve. loosen clamp bolt on knife head, cycle drive and allow knife head to find its proper position. Soak with diesel fuel, or wash with pressure washer. Repair and/or replace. Replace as required. Reduce ground speed. Verify knife speed with photo tach.700-ws 600-gb
Leveling			
	Swather not level.	Float pressure too low. Transport has been removed. Hitch tube has been removed. switch cylinders	Adjust float pressure. Transport must be install it is an integral part or the WS blast. Hitch tube must be installed on all single swath units for leveling. 36ft add second 3"cyl.
Lift and Float Systems			
	Table Does Not Follow Ground Contour. <i>NOTE: If float pressure is set too high platform will feel light and bouncy. If float pressure is too low, platform will feel heavy and unresponsive. It should require less than 150 lbs. to lift the end of the platform.</i>	Platform float pressure too high, making platform feel light. Lift arm bolts over tightened. Field/Road switch in the ROAD Position.	Check windrower operator's manual. Adjust float pressure. Loosen bolts. Set switch to FIELD position.

		Faulty Relay. Accumulator pre-charge pressure too low.	Replace Relay. Check John Deere specs.
Platform Digs Into Ground and Pushes Hard.	Guards digging into ground. Platform float pressure too low, making platform feel too heavy. Lift arm bolts are clamped tight Accumulator pre-charge pressure too high.	Adjust table angle, with turnbuckle or hydraulic tilt. Adjust float pressure. Loosen bolts as much as possible to allow movement Check John Deere specs.	
Platform Drops Too Fast or Does Not Lower Smoothly.	Platform float pressure too low, making platform too heavy. Accumulator pre-charge pressure too high. Needle valve kit not installed.	Adjust platform float. Adjust needle valve. Install needle valve kit. Check John Deere specs.	
Platform Will Not Lift or Lifts Too Slow	Needle valve set too low. Binding lift linkage. Platform float pressure too low, making platform too heavy. Worn lift pump. Low Relief valve setting. Excessive charge oil flow to pumps. Faulty switch or relay.	Adjust needle valve. Replace bent or worn parts. Adjust platform Float. Check John Deere specs. Check John Deere specs. Check John Deere specs. Check John Deere specs.	
Reel			
Reel won't hold height.	Leaking hose or fitting. Valve in windrower leaking.	Repair or replace. See windrower manual.	
Reel won't hold level.	Leaking hose or fitting. Air in system. Faulty master cylinder.	Repair or replace. Bleed slave cylinder. Repair or replace.	
Reel raises or lowers erratically.	Reel cylinders binding. Arms bent or binding. Low hydraulic oil.	Replace cylinder. Repair or replace. See windrower manual.	
Reel won't raise.	Hydraulic couplers don't match. Valve is not open. Faulty windrower hydraulics. Reel not plumbed into tilt circuit.	Install correct couplers. Open Valve (as per windrower op. manual). Check plumbing schematic. Check plumbing schematic.	
Damage to center of reel.	Reel set too low. Reel tube bent.	Adjust height. Replace.	
Reel hitting at end.	Reel not centered.	Adjust centering (as per op. manual).	
Reel will not turn or turns erratically.	Flow control set too low. Draper flow set too high. Faulty relief valve. Seized bearing(s). Faulty drive motor. Knife not up to speed.	Advance setting. Reduce draper speed. Clean or replace. Replace bearing(s). Replace motor. Calibrate windrower (using code 0)	
Reel Speed cannot be adjusted.	Poor electrical connection. Defective reel speed motor. Circuit breaker open or burnt out.	Check connections and cable. Replace motor. Replace.	
Material builds up at ends of cutter bar.	Pick up reel tines not sweeping crop off cutter bar.	Bend the tines on end of reel to reach into the corners. For U11 reel install kit # 80192 unto each end of every other bat.	
Table			
Cut grain falling off cutter bar.	Reel set too high. Reel tines improperly indexed. Table angle to steep.	Lower reel. Reindex reel tines (as per op. manual). Adjust table angle.	

		for/aft adjust	
		Reel too slow for ground speed.	Increase reel speed.
	Does not pick up lodged crop.	Table too high.	Lower table.
		Reel too high.	Lower reel.
		Reel too far back.	Move reel forward.for/aft adjust
		Ground speed too fast for reel speed.	Reduce ground speed or increase reel speed.
		Reel fingers improperly indexed	Reindex reel tines (as per op. manual).
		Crop lying too flat for guards to pickup.	Install optional SCH Crop Lifters.