

	Problem	Possible Cause	Solution
Adapter			
	Combine will not hook into top of adapter.	Feeder house adjustment on combine set wrong. Header tilted back/ forward too far. Subframe not level with combine	See Combine Manual. Run low-side tire onto a block. Adjust hitch jack.
Draper			
	Draper not tracking straight.	V-guided draper not properly installed. Draper splice not cut straight. Material buildup on rollers.	Ensure extruded "V" on draper is properly seated into recession on drive roller. Using a square, re-punch connector - bar holes in draper. Clean rollers.
	Draper slipping.	Draper too loose. Roller polished, losing traction Draper is snagging.	Adjust draper tension. Roughen drive roller. Ensure that extruded "V" on draper is properly seated into groove in drive roller.
	Draper not turning.	Draper too loose. Faulty drive motor. Failed bearing(s) in idler or drive rollers. Material build-up on rollers. Rock or material under draper. Draper is snagged or caught. Oil flow going over the relief.	Adjust draper tension. Repair or replace. Replace. Clean rollers. Clean under draper. Check for interference. Check relief setting. Remove and clean relief cartridge; check spring.
	System oil pressure	Material buildup on rollers. Faulty bearing on roller. Faulty draper motor.	Clean rollers. Replace bearing. Check motor temperature. Check for oil leaking from shaft seal. Replace motor.
Decks			
	Deck lifts out of position.	Bolts on front edge loose or missing. Bolts on back panel are loose or missing.	Tighten or replace.
Finger Auger			
	Auger stops when full of material. Material wrapping on auger.	Auger is plugged. Narrow feeder house opening. Indexing of fingers is incorrect. Fore/ aft adjustment is incorrect.	Raise header, reverse system and engage center deck clean out. Ensure that proper pan inserts and bezels (AGCO only) have been installed. Adjust finger indexing. Adjust auger position.
	Material will not feed under	Indexing of fingers is incorrect. Auger is plugged. Auger is not floating. Fingers on drum not extending low enough.	Adjust finger indexing. Raise header, reverse system and engage center deck clean out Auger float is seized or binding on side plates. Adjust finger indexing.
	Material is bunching under finger auger.	Pan Inserts have been removed or are not properly installed. Auger cannot float high enough	Ensure Pan Inserts are properly installed. Adjust auger stops.
	Material is bunching up between finger auger and combine feeder house.	The finger auger is floating up too high.	Adjust the auger stops to keep the finger auger lower.
Knife			
	Knife stalls easily.	Crop too heavy for ground speed. Knife speed not set properly. Low hydraulic pressure at knife motor. Bent guards or cutter bar. Dull or wrong type of sections. Faulty knife drive. Seized knife head bearing. Knife head out of alignment. Unloaded system pressure too high.	Reduce ground speed. Adjust knife speed. Check system pressure. Repair or replace. Replace sections. Check for loose crank shaft. Replace. Adjust alignment on knife. Check for faulty draper motor. Check that each draper is running freely.

		Pump arm is too tight. Relief valve stuck open.	Loosen the hydraulic pump arm. Remove and clean cartridge.
Knife running too slow or too fast. (<580/ >600 rpm)		Low hydraulic oil. Relief valve stuck open. Worn pump or knife motor. Pump set incorrectly for combine.	Add oil. Determine cause of low oil. Clean/ replace cartridge. Repair or replace. Adjust pump setting.
Knife will not run.		Low hydraulic oil. Faulty drive motor. Faulty knife drive. Faulty hydraulic pump. Cutter bar jammed.	Add oil. Determine cause of low oil. Repair or replace motor. Repair or replace. Repair or replace. Check for damaged guards or sections.
Excessive Vibration.		Knife running too fast. Loose bearings in drive. Loose knife head bolts.	Check speed. (580-600 rpm) Replace bearings. Tighten.
Excessive Noise.		Loose or damaged sections and/ or guards. First guard bent or out of alignment. Knife drive bearing faulty. Knife drive loose. Knife drive running too fast. Knife head positioned too high or too low. Guards don't match.	Replace or tighten. Straighten or replace. Replace. Tighten bolts and check for damage to housing. Slow down to 580 - 600 rpm. Loosen clamp bolt on knife- head bearing and adjust. Check that all guards are the same. (12 mm required).
Connector bar breaks.		Damaged sections or guards. Knife gummed up. Section bolts not tight. Sections on knife back installed on wrong side.	Repair or replace. Soak with diesel fuel. Tighten and/ or replace. Remove sections; turn knife back over and replace sections.
Knife head breaks.		Section bolts not tight. Knife gummed up. Damaged sections or guards. Sickle sections dull. Tough crop. Knife drive running too fast. Knife head bolts loose/broke/missing Guards don't match.	Tighten and/ or replace bolts. Soak with diesel fuel. Repair and/ or replace. Replace sections. Reduce ground speed. Check speed w/ photo tach. Repair,replace,tighten using loctite to 41ft/lbs. Check that all guards are the same (12 mm req'd).
Knife leaves strip of crop		Bent or broken guard. Broken knife section. Plugged guard.	Straighten or replace. Replace. Clean.
Leveling			
	Header not level.	Leveling adjustment bolts not set properly.	Adjust bolts.
Pump			
	Oil running hot.	Excessive oil going over relief. Faulty pump or motor(s). Hot oil dump on right-hand deck motor not functioning properly. Draper too tight.	Clean or replace relief cartridge. Repair or replace. Clean or replace. Adjust draper tension.
	Oil leaking between pump	Silicone/Gasket seal broken. No silicone between pump and gear box.	Re-seal pump. Apply silicone.
	Pump vibrating.	Faulty universal joint bearings. Incorrect angle on drive-line.	Replace. Verify that rotating pump mount assembly is in correct alignment for combine make.
	Low Pressure	Supply line not connected The pump arm is too tight.	Connect supply line. Loosen the hydraulic pump arm.
Raising Header			
	Header will not lift.	Inadequate combine lift capacity.	Check system pressure. Add hydraulic cylinder to feeder house. (*Refer to Combine Manual.)
Reel			

Reel will not raise.	Hydraulic couplers don't match. Hydraulic couplers not engaged. Faulty combine hydraulics.	Install correct couplers. Re-couple properly. Refer to Combine Manual.
Reel raises slowly.	Elbow in master cylinder too tight. Hydraulic couplers not engaged.	Loosen fitting. Re-couple quick couplers.
Reel does not raise.	Air in system.	Bleed slave cylinder.
Right side goes up slowly.	Air in system.	Bleed slave cylinder.
Reel will not hold height.	Leaking hose or fitting. Valve in combine leaking.	Repair or replace. Refer to Combine Manual.
Reel will not hold level.	Leaking hose or fitting. Air in system. Faulty master cylinder. Leaking cylinder seal.	Repair or replace. Bleed slave cylinder. Repair or replace. Replace seal.
Reel raises or lowers	Reel cylinders binding. Arms bent or binding. Low hydraulic oil.	Replace cylinder. Repair or replace. Refer to Combine Manual.
Right side cylinder does not Ends lift before center.	Air in system. Center master cylinder "O" ring damaged.	Bleed slave cylinder. Replace seal.
Right hand cyl. goes out of	Air in system. System losing residual pressure.	Bleed slave cylinder. Install spacer inside center master cylinder. (Check w/ manufacturer.)
Damaged/ cut reel tines.	Tines of reel catching in the knife.	Raise reel to allow more clearance from reel tines to cutter bar.
Damage to center of reel.	Reel set too low.	Adjust height.
Reel hitting at end.	Reel not centered.	Adjust centering.
Reel will not turn, or turns	Seized bearing(s). Faulty drive motor. Reel tied down. Hydraulic couplers not coupled.	Replace bearing(s). Replace motor. Release reel. Re-couple properly.
Reel speed can not be adjusted	Poor connection in electrical wires or cable.	Check connections and condition of cable.
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.
Sub Frame		
	Too close to the ground with cutter bar down.	Leveling adjustment bolts too tight. Tilt cylinder adjusted too short.
		Loosen bolts. Adjust tilt cylinder.
Table		
	Draper running too flat or too steep.	Tilt cylinder out of adjustment.
	Suspension/float feels soft.	Clamp plates on spring saddles are loose.
		Air bags not adjusted properly
		Air bags will not hold air
		Cutterbar float position: 18-20 psi. Cutterbar in rigid position: 50-60psi. Check for leaks with soap/water solution repair/replace defective parts.
Miscellaneous		
	Material builds up at ends of cutter bar.	Pick-up reel tines not sweeping crop off cutter bar.
	Heads shattering or breaking	Reel speed too fast. Ground speed too fast. Crop too ripe.
	Cut grain falling off cutter	Reduce reel speed. Reduce ground speed. Cut in higher humidity
	Does not pick up lodged	Reel set too high. Table set too high. Reel set too far back. Ground speed too fast for reel speed. Crop laying too flat for guards to pick up.
		Lower reel. Lower table. Lower table. Move reel forward. Reduce ground speed or increase reel speed. Install optional SCH Crop Lifters.