



JOHN DEERE

STS COMBINE JOHN DEERE INSPECTION

CUSTOMER

Name: *Jerry, Starbuck*

Work Order:

Address:

City:

Phone:

Date:

COMBINE INFORMATION

Serial Number: *1H0967055A0735478*

Engine Hours: *2969*

Separator Hours: *1906*

Warranty End Date:

Control System	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted				
Fluid test kit - TY26860							
Stored Codes	X					Record & Clear all Stored Codes	
ECU Load Profile (if equipped)	X					Download ECU profile, analyze & review with customer.	
Feeder House Area	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
Safety Shields	X						
Feeder House Drive Chain, Sprockets, Idlers & Guides	X					Chain - 3% Elongation	
Back Shaft Speed Sensor & Wiring Harness	X						
Slip Clutch	X						
Reverser/Header Drive Spline Shaft, Hoses, Couplers & Wiring	X						
Drum - Wear Ring, Bearings, Supports, Stops & Pins	X					Wear ring is damaged or worn through	
Floor Sheet & Seal	X						
Feed Plate	X					Worn through the hinges	
Stone Trap	X						
Feeder House Reverser Cooler	X						
Hydro Motor - Housing & Fittings	X						
Shoe Auger - Front Bearings & Bevel Gears	X				Bevel Gears Backlash - 0.76mm		
Shoe Auger - Drive Shaft & Bearings	X						
Reverser Control Linkage & Cable	X						
Lift Cylinders, Hoses, Pins & Safety Stop	X						
Lift Cylinder Support & Pivots	X					= 78mm + Bottom of bracket to bottom hole = 16mm less	
Transmission - Drive Shaft, Hoses & Couplers	X						

*Wash
adjust belts & chains*

Feeder House Area--continued	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
Oil Level and Condition			X				Top off
Final Drives, Front Wheel(s) & Tire(s)	X				Torque - 200N m plus 1/4 turn		
Top Door Seal	X						
Conveyor Chain, Plastic Chain Guides & Eyebolts	X				Chain Pitch - 41 mm	3% elongation or set links removed & no adjustment left; Guides - When worn through;	
Feeder House Pivots	X					8mm or less install vertron bushing and stops	
Top Shaft, Bearings, Sprockets & Stripper Plates	X					Sprocket Worn to 12mm - can be reversed; Stripper Plates - 1/8 in from top shaft to stripper	
Reverser Gear Case - Operation, Oil Level/Change	X					Change Oil once a year	
Reverser Belt, Lower Variable Sheaves, Idler & Bearings	X				Sheaves - Low Speed = 3mm		
Contour Master Cylinder & Hoses	X						
Check Slides	X						
Top Variable Drive, Sheaves & Bearings	X				Top Variable Sheaves = 3mm		
Hoses, Couplers & Wiring	X						
Check Frame for Cracks & Holes	X						
Feeder House Position Sensor & Wiring	X						
Shoe Auger, Speed Sensor & Wiring Harness	X					Auger - Worn to 1mm, Sharp Edges or Damaged	
Check Multi-point harness and hoses	X						
Check single-point connection, cartridges and pins	X						
Final Drives, Front Wheel(s) & Tire(s)					Torque - 200N m plus 1/4 turn (150 lb-ft + 1/4 turn)		
Feed Accelerator (FAST)	OK	Needs Replaced	Needs Adjusted	Customer OK's Repair	New Specification	Replacement Specification	Comments
Feed Accelerator Drive Belt	X						
Feed Accelerator Tension Arm, Spring & Idler	X						
Feed Accelerator - Wings & Bearings	X						
Serrated Wear Strips	X				8mm thick 51mm height	After strips have been half worn & reversed, replace if height is shorter than original- All must be	
Smooth Wear strips	X				8mm thick 51mm height	After strips have been half worn & reversed, replace if height is shorter than original - All must be	
Back Swept Wear Strips	X				8mm thick	Leading edge wears to the point, reducing overall height dimension	
Plastic Dust Shroud	X					Thin Spots or Holes	
Rotor Bearing, Speed Sensor & Wiring	X						
Tri-Flow Feed Ramp	X					Worn through or damage	
Front Feed Flights	X				5 mm above rear flight support	Outer edge is worn down approx. 5 mm. Embossed part number on the top of the rear feed flight	
Rear Feed Flights	X				8 mm thick	When the casting number on the rear flight begins to wear off	

Left-Hand Side	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
Safety Shields	X						
Electric Clutch & Brush Module	X						
Primary Countershaft 90° Gear Case	X						
Drive Shaft -	X						
Engine to 90° Gear Case U-joints	X						
Front End Drive Belt	X						
Reel Pump & Bearings	X						
Reel Speed Valve & Actuator	X						
Cleaning Fan, Housing, Fins, Bearings, Speed	X						
Cleaning Shoe Pitman Arms, Hangers, Bolts,	X						
Clean Grain Auger Speed Sensor & Wiring	X					Auger - Worn to 1mm, Sharp Edges or Damaged	
Tailings Auger Speed Sensor & Wiring	X					Auger - Worn to 1mm, Sharp Edges or Damaged	
Hydraulic Filter - Hoses & Fittings	X						
Hydraulic Stack Valve & Accumulator	X						
Separator Frame	X						
Inspect concave inserts	X						
Top Covers - Feeding, Threshing & Separating	X					Worn through or damaged	
Plastic Threshing & Separator Covers	X						
Separator Side Rail	X						
Rotor mid-plate	X						
Concave Z-Bar	X					Must be worn through the second layer of material	
Concave Actuator Motor, Gears & Linkage	X						
Concaves	X						
Small Wire Concave	X				38 mm	Bar less than 34 mm	
-Small Wire Interrupter Bar	X				19mm	Less than 15mm	
Large Wire Concave	X				38mm	Bar less than 34 mm	
Round Bar Concave	X				16mm	Bar is less than 12mm	
Filler Plates	X						
Threshing Elements	X				Std. 18mm Rice 24mm	Std. Trailing edge is worn to 13mm	
Separator Grates	X				NA	When fingers wear to a point or broken out	
Separator Tines	X				124mm	Less than 110 mm (Measure on the rear edge of tine from base to highest point) - Replaced in Sets of Three	
Cleaning Shoe Augers & Rear Bearings	X					Auger - Worn to 1mm, Sharp Edges or Damaged	
Cleaning Shoe Auger Troughs	X						
Separator Loss Monitor, Pads and Wiring	X						
Separator Shaker Pan	X					Bending or Damage	
Unloading Auger Sump, Bevel Drive Gears &	X						
Unloading Auger Drive Chain, Sprockets & Guides	X					Chain - 3% elongation	
Unloading Auger Jackshaft, Pulleys & Bearings	X						
Unloading Auger Drive Belts, Tensioner, Guides & Switches	X						

Left-Hand Side--continued	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
Shoe & Service Lights	X						
Chopper Raise & Lower	X						
Rotor Variable Sheaves	X				Max - 10mm, Min 6mm & Spec 8mm		
Rotor Speed Shift Lever	X						
Hydrostatic Filter - Hoses & Fittings	X						
Hydro Cable	X						
Discharge Beater, Bearing, Belt & Sheaves	X						
Discharge Beater Speed Sensor & Wiring	X						
Discharge Beater Wings & Wear Strips	X				4.5 mm, 50 mm Height	When Wear Strips Loose Original Height	
Discharge Beater Grate	X						
Chaffer & Sieve Adjustment Gauges	X						
Steering Cylinder & Tie Rod	X						
Rear Axle & Spindles	X						
Wheel Bearings & Seals	X						
					Toe-in Front of Steering Wheels - 13mm; Torque - non powered - 315 N m (232 lb-ft), powered - 200 N m + 1/4 turn (150 lb-ft + 1/4 turn)		
Rear Wheel & Tire	X						
Power Rear Wheel Assist, Hoses & Fittings	X						
Gull Wings & Air Cylinders	X						
Chopper Jack Shaft Drive Belts	X						
Chopper Speed Sensor & Wiring	X						
Chopper Engage Tension Arm & Idler Pulley	X						
Chopper Drive Belt, Idler & Bearings	X						
Chopper Raise/Lower Cylinder	X						
<i>Chopper</i>							
Tail Board & Vanes	X						
Rotor & Bearings	X						
Housing & Knife Bank	X						
Cob Deflector Door	X						
Shoe Loss Monitors & Wiring	X						
Front Chaffer, Chaffer, Sieve & Seals	X						
Shoe Frames & Seals	X						
Rear Panel, Lights & SMV Sign	X						
<i>Spreader</i>							
Disks & Rubber Flaps	X						
Hydraulic Motor, Hoses & Fittings	X						
Frame	X						

Right-Hand Side	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
Safety Shields	X						
Gull Wings & Air Cylinders	X						
Cab Wall Electrical Connectors	X						
Primary Countershaft Bearing	X						
Front Counter Shaft Belt, Tensioner & Pulleys	X						
Rear Counter Shaft Belt, Tensioner & Pulleys	X						
Top Covers - Feeding, Threshing & Separating	X					Worn through or damaged	
Plastic Threshing & Separator Covers	X						
Separator Side Rail	X						
Concave Z-Bar	X					Must be worn through the second layer of material	
Concaves & Hangers	X						
Separator Grates	X				NA	When fingers wear to a point or broken out	
Cleaning Shoe Pittman Arms, Hangers, Bolts,	X						
Cleaning Fan Housing, Fins & Bearings	X						
Shoe, Fan & Conveyor Auger Belt, Idlers,	X						
Cleaning Fan Variable Belt	X						
Cleaning Fan Adjustment Motor, Linkage & Variable	X						
Tailings Elevator Return Auger Drive Chain	X					3% elongation	
Tailing Elevator Return Auger, Bearings & Boot	X			3 mm Thick, 67 mm Heig		Auger - Worn to 1mm, Sharp Edges or Damaged	
Tailing Elevator Drive Belt, Tensioner, Idler &	X						
Tailings Elevator Slip Clutch	X						
Clean Grain Drive Belt & Idlers	X						
Clean Grain Elevator Chain, Paddles, Sprockets & Bearings	X				Paddles - 78mm x 151mm	Chain - 3% elongation; Paddles - 3mm wear on three working surfaces (75mm x 175mm)	
Clean Grain Elevator Housing & Boot	X						
Green Star Yield & Moisture Sensor & Wiring	X						
Tailings Housing & Boot	X						
Tailings Elevator Monitor Sensor & Wiring	X						
Tailings Elevator Paddle Chain and Sprockets	X				Paddles - 78mm x 151mm	Chain - 3% elongation; Paddles - 3mm wear on three working surfaces (75mm x 175mm)	
Tailings Auger & Bearings	X					Auger - Worn to 1mm, Sharp Edges or Damaged	
Grain Tank Unloading Cross Auger Bearings	X						
RH Control Unit & Wiring	X						
Steering Cylinder & Tie Rod	X						
Power Rear Wheel Assist, Hoses & Fittings	X						

Engine Compartment	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
Ladder	X						
Rotary Screen & Belt	X						
After Cooler & Fins	X						
Check Oil Cooler	X						
Lines for Oil Cooler & A/C	X						
Coolant Level	X					800 hours	
Air Filter & Aspirator	X	X					Change
Hydro Charge filter	X					400 hours	
Main Hydraulic filter	X					400 hours	
Drive Belts for Alternator & Fan	X						
A/C Belt	X						
Water Pump	X						
Engine Oil & Filter	X	X				250 hours	Change
Engine Gear Case - Oil & Filter	X						
Engine Front and Rear Seals	X						
Engine crankshaft Damper	X					4500 hours or 5 years	
Engine PTO gear case oil	X					2000 hours	
Valve Lash adjustment	X					2000 hours	
Clean Radiator/Hoses & Clamps	X					cracked	
ECU - Connections & Seals	X						
Fuse Panel - Seal	X						
Hydraulic Reservoir	X						
Fuel Tank Vent - Clean	X						
Ether Can	X						
Batteries - Cables, Connections & Fluid Level	X						
Rear Engine Gear Case Seal	X						
Heater Hoses	X						
Inspect turbo charger	X						
Inspect exhaust manifold belts	X						
Muffler & Rain Cap	X						
Check All Hoses and Clamps	X						
Rotor Belt Torque Sensing Unit	X				Max 10 mm, Min 6 mm & Spec 8mm		
Rotor Belt	X						
Two Speed Gear case - Oil Level & Condition	X					2000 hours	

Grain Tank Section	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
Bin Extensions & Tank	X						
Grain Sample Trough	X						
Grain Tank Light, Level Switch & Wiring	X						
Grain Tank Loading Auger, Housing, Bearings, Driver, Top Sprockets & Clamps	X				Auger - 4.5mm thick, 95mm height	Auger - Worn 1mm or to a sharp edge	
Clean Grain Elevator Top Shaft & Bearings	X						
Clean Grain Elevator Top Housing, Impact Plate, Loading Auger Gear case	X						
Cross Augers, Top Covers & Floor	X				Auger - (STD) 3.4mm thick (HD) 4.8mm thick 64mm height	Auger - worn 1mm or to a sharp edge	
Unload On-The-Go Baffle	X						
Unloading Auger Sump	X						
Vertical Auger & Housing	X				(STD) 6mm thick (HD) 6.6mm thick 110 mm height	When worn to a sharp edge	
90° Gear case	X						
Horizontal Auger & Housing	X				4.5mm thick 95mm height	Worn to 1mm or to a sharp edge	
Grain Saver Door & Boot	X						
Cab Section	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
Cab Ladder	X						
Fire Extinguisher	X						
Cab Roof	X						
Mirrors	X						
Cab Air Filters - Pre-Cleaner, Air Filter & Recirculating Filter	X						
CEB (Central Electronic Box) - Seals & Wiring	X						
Windshield Wiper Fluid Level	X						
Lights - All Outside Lights & Functions Dome Light,	X						
ClimaTrak - Defrost, Temp. Control, Fan Speed	X						
Radio & Speakers	X						
Windshield Wipers & Fluid Operation	X						
Sun Visor	X						
Steering Column	X						
Height Adjust & Tilt	X						
Horn	X						
Parking Brake	X						
Steering Brakes	X						
Reverser	X						
Transmission Shift Lever / ProDrive	X						

Cab Section--continued	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
Corner post	X						
Display Tachometer	X						
Engine RPM, Rotor RPM	X						
Concave Clearance	X						
Fan Speed	X						
Header Back Shaft Speed	X						
Service Intervals - Reset	X						
VisionTrak Display / Command Center	X						
Calibrate	X						
Seed size	X						
Diagnostics - Error Codes, Back Button & Enter Button	X						
Active Header Control Display	X						
Console	X						
HydroHandle -	X						
Header Raise/Lower, Corn Header Back Shaft Speed, Reel Raise/Lower, Reel For/Aft	X						
Unloading Auger Swing	X						
Unloading Auger Engage	X						
Emergency Stop	X						
Neutral Safety Switch	X						
Header Engage	X						
Separator Engage	X						
Road Disconnect	X						
Concave Adjust	X						
Rotor Speed	X						
Cleaning Fan Speed	X						
Engine RPM's - Three buttons	X						
Power Strip	X						
Operator Presence Switch	X						
Air Seat	X						
Seat Belts - Operator and Instructional Seat	X						

AMS	CONDITION			Customer OK's Repair	New Specification	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted				
AutoTrac Combine Machine Kit						PF90876 - 50 Series Pin 695101 and above. PF90875 - 60 Series. PF90829 - 70 Series.	
AutoTrac RowSense kit for Universal Sensor						PF90742	

Total Est \$3,588.10

PARTS & LABOR