

9870 STS
 SN #098705735120

1027 00 lot # Service
 Sales
 (circled)

**STS COMBINE
 Precision Equipment CHECKLIST**

CUSTOMER / SALES PERSON **COMBINE INFORMATION**

Name: Lighting Serial Number: 1227
 Address: _____ Engine Hours: 1227
 City: _____ Separator Hours: 123
 Phone: _____ Warranty End Date: _____

Feeder House Area	CONDITION			Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted		
Fluid test kit - TY25796	X				
Safety Shields	X				
Feeder House Drive Chain, Sprockets, Idlers & Guides	X	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	Getting real thin at sprocket
Floor Sheet & Seal	X			Worn through the hinges	
Feed Plate	X				
Stone Trap	X				
Feeder House Reverser Cooler	X				
Hydro Motor - Housing & Fittings	X				
Shoe Auger - Front Bearings & Bevel Gears	X				
Shoe Auger - Drive Shaft & Bearings	X				
Reverser Control Linkage & Cable	X				
Lift Cylinders, Hoses, Pins & Safety Stop	X				
Lift Cylinder Support & Pivots	X			Pivots - Front bracket to back hole = 78mm + Bottom of bracket to bottom hole = 16mm less	
Transmission - Drive Shaft, Hoses & Couplers	X				
Oil Level and Condition	X				
Final Drives, Front Wheel(s) & Tire(s)	X				
Top Door Seal	X				
Conveyor Chain, Plastic Chain Guides & Eyebolts	/		X	3% elongation or set links removed & no adjustment left; Guides - When worn through; Chain Pitch - 43 mm	Needs half link removed & readjusted
Feeder House Pivots	X			8mm or greater replace casting; 8mm or less install verton 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				

Feeder House Area--continued	CONDITION			Customer OK's Repair	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted			
Contour Master Cylinder & Hoses	X					
Check Slides	X					
Top Variable Drive, Sheaves & Bearings	X					
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)	X					Locking Brake / Right two
Feed Accelerator (FAST)					Replacement Specification	Comments
Feed Accelerator Drive Belt	X					
Feed Accelerator Tension Arm, Spring & Idler	X					
Feed Accelerator - Wings & Bearings	X					
Serrated Wear Strips	X				After strips have been half worn & reversed, replace if height is shorter than original- All must be replaced at the same time	
Smooth Wear strips					After strips have been half worn & reversed, replace if height is shorter than original - All must be replaced at the same time	
Back Swept Wear Strips					Leading edge wears to the point, reducing overall height dimension	
Plastic Dust Shroud	X				Thin Spots or Holes	
Rotor Bearing, Speed Sensor & Wiring	X				Worn through or damage	
Tri-Flow Feed Ramp	X				Outer edge is worn down approx. 5 mm.	
Front Feed Flights	X				Embossed part number on the top of the rear feed flight support will be worn off	
Rear Feed Flights	X				When the casing number on the rear flight begins to wear off	
Left-Hand Side					Replacement Specification	Comments
Safety Shields	X					
Electric Clutch & Brush Module	X					
Primary Countershaft 90° Gear Case 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, Flns, Bearings, Speed	X					
Cleaning Shoe Pitman Arms, Hangers, Bolts,	X					

Left-Hand Side--continued	CONDITION			Customer OK's Repair	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted			
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						
Separator Frame						
Inspect concave inserts						
Top Covers - Feeding, Threshing & Separating					Worn through or damaged	
Plastic Threshing & Separator Covers						
Separator Side Rail						
Rotor mid-plate						
Concave Z-Bar					Must be worn through the second layer of material	
Concave Actuator Motor, Gears & Linkage						
Concaves						
Small Wire Concave					Bar less than 34 mm	
-Small Wire Interrupter Bar					Less than 15mm	
Large Wire Concave	X				Bar less than 34 mm	
Round Bar Concave					Bar is less than 12mm	
Filler Plates						
Threshing Elements	X					
Separator Grates	X				Std. Trailing edge is worn to 13mm When fingers wear to a point or broken out Less than 110 mm (Measure on the rear edge of tine from base to highest point) - Replaced in Sets of Three	
Separator Tines	X				Auger - Worn to 1mm, Sharp Edges or Damaged	
Cleaning Shoe Augers & Rear Bearings	X					
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 & Unloading Auger Drive Chain, Sprockets & Pulleys		X			Chain - 3% elongation	
Unloading Auger Jackshaft, Pulleys & Bearings	X					
Unloading Auger Drive Belts, Tensioner, Guides	X					
Switches						
Shoe & Service Lights						
Chopper Raise & Lower						
Rotor Variable Sheaves	X					
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				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					

SECTION BEARING IS OUT

Need lower for roller

Left-Hand Side--continued	CONDITION			Customer OK's Repair	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted			
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					
Chopper						
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					
Spreader						
Disks & Rubber Flaps						
Hydraulic Motor, Hoses & Fittings						
Frame						
Right-Hand Side	CONDITION			Customer OK's Repair	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					
Plastic Threshing & Separator Covers	X					
Separator Side Rail	X					
Concave Z-Bar	X					
Concaves & Hangers	X					
Separator Grates	X					
Cleaning Shoe Pliman 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 &	X					
Tailings Elevator Return Auger Drive Chain	X					
Tailing Elevator Return Auger, Bearings & Boot	X					
Tailing Elevator Drive Belt, Tensioner, Idler &	X					

Right-Hand Side--continued	CONDITION			Customer OK's Repair	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted			
Tailings Elevator Slip Clutch	X					
Clean Grain Drive Belt & Idlers	X					
Clean Grain Elevator Chain, Paddles, Sprockets & Bearings	X	X			Chain - 3% elongation; Paddles - 3mm wear on three working surfaces (75mm x 175mm)	Chain Bad
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	X			Chain - 3% elongation; Paddles - 3mm wear on three working surfaces (75mm x 175mm)	Chain bad
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						
Ladder	X					
Rotary Screen & Belt	X					
After Cooler & Fins	X					
Check Oil Cooler	X					
Lines for Oil Cooler & A/C	X					
Coolant Level	X		X		800 hours	
Air Filter & Aspirator	X				400 hours	
Hydro Charge filter	X				400 hours	
Main Hydraulic filter	X					
Drive Belts for Alternator & Fan	X					
A/C Belt	X					
Water Pump	X				250 hours	
Engine Oil & Filter	X					
Engine Gear Case - Oil & Filter	X					
Engine Front and Rear Seals	X				4500 hours or 5 years	
Engine crankshaft Damper	X				2000 hours	
Engine PTO gear case oil	X				2000 hours	
Valve Lash adjustment	X				cracked	
Clean Radiator/Hoses & Clamps	X					
ECU - Connections & Seals	X					
Fuse Panel - Seal	X					
Hydraulic Reservoir	X		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					

Engine Compartment--continued	CONDITION			Customer OK's Repair	Replacement Specification	Comments
	OK	Needs Replaced	Needs Adjusted			
Inspect exhaust manifold belts	X					
Muffler & Rain Cap	X					
Check All Hoses and Clamps	X					
Rotor Belt Torque Sensing Unit	X					
Rotor Belt	X					
Two Speed Gear case - Oil Level & Condition			X		2000 hours	
Grain Tank Section	OK	Needs Replaced	Needs Adjusted	Customer OK's Repair	Replacement Specification	Comments
Bin Extensions & Tank	X					
Grain Sample Trough	X					
Grain Tank Light, Level Switch & Wiring	X					
Grain Tank Loading Auger, Housing, Bearings,	X				Auger - Worn 1mm or to a sharp edge	
Clean Grain Elevator Top Shaft & Bearings	X					
Clean Grain Elevator Top Housing, Impact	X					
Loading Auger Gear case	X					
Cross Augers, Top Covers & Floor	X				Auger - worn 1mm or to a sharp edge	
Unload On-The-Go Baffle	X					
Unloading Auger Sump	X					
Vertical Auger & Housing	X					
90" Gear case	X				When worn to a sharp edge	
Horizontal Auger & Housing	X				Worn to 1mm or to a sharp edge	
Grain Saver Door & Boot	X					
Cab Section	OK	Needs Replaced	Needs Adjusted	Customer OK's Repair	Replacement Specification	Comments
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	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					
Greenstar Display - Use Pre-Harvest Greenstar	X					
Cab Section--continued	OK	Needs Replaced	Needs Adjusted	Customer OK's Repair	Replacement Specification	Comments
Corner post	X					
Display Tachometer	X					
Engine RPM, Rotor RPM	X					
Concave Clearance	X					

Harvest Light Switch Not Working

PO 1-71195	Account	Date 12/27/2012
Dealer Information ,	Customer Info Sales Curtis	

	Model	Part Number	Description	Quantity	Price	Extended Price								
1	13.5 L - ENGINE, POWERTECH	AH225671	Valve	1	99.63	99.63								
2	13.5 L - ENGINE, POWERTECH	AXE21789	Valve	1	155.60	155.60								
3	13.5 L - ENGINE, POWERTECH	T77932	O-Ring	2	1.48	2.96								
Comments The 2 valve bodies on the Multipoint coupler are leaking... Replace with new ones				<table border="1"> <tr> <td>Subtotal</td> <td>Shipping</td> <td>Labor</td> <td>Total</td> </tr> <tr> <td>258.19</td> <td>0.00</td> <td>42.50</td> <td>300.69</td> </tr> </table>			Subtotal	Shipping	Labor	Total	258.19	0.00	42.50	300.69
Subtotal	Shipping	Labor	Total											
258.19	0.00	42.50	300.69											
Shipping Method				Currency USD										

PO 1-71195	Account	Date 12/27/2012
Dealer Information /	Customer Info Sales Curtis	

	Model	Part Number	Description	Quantity	Price	Extended Price								
1	13.5 L - ENGINE, POWERTECH	AH115487	Ball Joint	1	7.63	7.63								
Comments Install new ball joint on hydro cable.... Locked up when go from reverse to forward			<table border="1"> <tr> <td>Subtotal</td> <td>Shipping</td> <td>Labor</td> <td>Total</td> </tr> <tr> <td>7.63</td> <td>0.00</td> <td>42.50</td> <td>50.13</td> </tr> </table>				Subtotal	Shipping	Labor	Total	7.63	0.00	42.50	50.13
Subtotal	Shipping	Labor	Total											
7.63	0.00	42.50	50.13											
Shipping Method			Currency USD											

PO 1-71195	Account	Date 12/27/2012
Dealer Information /	Customer Info Sales Curtis	

	Model	Part Number	Description	Quantity	Price	Extended Price	
1	13.5 L - ENGINE, POWERTECH	H215085	Shaft	1	145.00	145.00	
2	13.5 L - ENGINE, POWERTECH	H64376	Shaft Key	2	6.84	13.68	
3	13.5 L - ENGINE, POWERTECH	AH90963	Seal	1	26.99	26.99	
4	13.5 L - ENGINE, POWERTECH	AH96585	Ball Bearing	2	34.99	69.98	
5	13.5 L - ENGINE, POWERTECH	JD8524	Ball Bearing	2	20.43	40.86	
6	13.5 L - ENGINE, POWERTECH	AH138955	Shim Kit	1	11.06	11.06	
7	13.5 L - ENGINE, POWERTECH	24H1533	Shim	2	2.25	4.50	
8	13.5 L - ENGINE, POWERTECH	24M7277	Washer	1	4.25	4.25	
9	13.5 L - ENGINE, POWERTECH	H149361	Lock Nut	1	3.40	3.40	
10	13.5 L - ENGINE, POWERTECH	JD7759	Lubrication Fitting	1	0.74	0.74	
Comments Rebuild Vertical Gearcase				Subtotal	Shipping	Labor	Total
				320.46	0.00	425.00	745.46
Shipping Method				Currency USD			

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12/27/2012

Dealer Information

Customer Info

Model	Part Number	Description	Quantity	Price	Extended Price
13.5 L - ENGINE, POWERTECH	AH234790	Roller Chain	1	640.00	640.00

Comments
clean grain elevater chain replacement qoute

Subtotal	Shipping	Labor	Total
640.00	0.00	170.00	810.00

Shipping Method

Currency
USD

PO 1-71195	Account	Date 12/27/2012
Dealer Information /	Customer Info Sales Curtis	

	Model	Part Number	Description	Quantity	Price	Extended Price								
1	13.5 L - ENGINE, POWERTECH	0	0	0	0.00	0.00								
Comments Remove Half Links From Feederhouse Conveyor Chain and adjust drive chain			<table border="1"> <tr> <td>Subtotal</td> <td>Shipping</td> <td>Labor</td> <td>Total</td> </tr> <tr> <td>0.00</td> <td>0.00</td> <td>127.50</td> <td>127.50</td> </tr> </table>				Subtotal	Shipping	Labor	Total	0.00	0.00	127.50	127.50
Subtotal	Shipping	Labor	Total											
0.00	0.00	127.50	127.50											
Shipping Method			Currency USD											

1-71195

12/27/2012

Dealer Information

Customer Info

Model	Part Number	Description	Quantity	Price	Extended Price
13.5 L - ENGINE, POWERTECH	AH148021	Roller Chain	1	211.15	211.15

Comments
clean grain elevater chain replacement qoute

Subtotal	Shipping	Labor	Total
211.15	0.00	170.00	381.15

Shipping Method

Currency
USD

1-71195

12/27/2012

Dealer Information

Customer Info

Model	Part Number	Description	Quantity	Price	Extended Price
13.5 L - ENGINE, POWERTECH	H221273	V-Belt	1	41.76	41.76

Comments
rotoray screen drive belt replacement qoute

Subtotal	Shipping	Labor	Total
41.76	0.00	41.76	83.52

Shipping Method

Currency
USD

85 126.76

PO 1-71195	Account	Date 12/27/2012
Dealer Information ,	Customer Info Sales Curtis	

	Model	Part Number	Description	Quantity	Price	Extended Price								
1	13.5 L - ENGINE, POWERTECH	H219180	Plate	1	230.81	230.81								
Comments Install new front feederhouse wear plate			<table border="1"> <tr> <td>Subtotal</td> <td>Shipping</td> <td>Labor</td> <td>Total</td> </tr> <tr> <td>230.81</td> <td>0.00</td> <td>255.00</td> <td>485.81</td> </tr> </table>				Subtotal	Shipping	Labor	Total	230.81	0.00	255.00	485.81
Subtotal	Shipping	Labor	Total											
230.81	0.00	255.00	485.81											
Shipping Method			Currency USD											

1-71195

12/27/2012

Dealer Information

Customer Info

Model	Part Number	Description	Quantity	Price	Extended Price
13.5 L - ENGINE, POWERTECH	AH221956	Toggle/Rocker Switch	1	78.81	78.81

Comments
 harzard switch replacement qoute

Subtotal	Shipping	Labor	Total
78.81	0.00	42.50	121.31

Shipping Method

Currency
USD