

Invoice To Account No: 15381

SERVICE INVOICE

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Invoice Number:	2044985
Invoice Date	09/14/2021
Location:	10
Work Order Number:	341687
Payment Type:	Account
Page:	1 of 5

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
2012 JOHN DEERE S670	2951	1H0S670SAC0747090	20190C	

Service Reminders:

/COMBINEINSPECTION Retail

COMPLAINT:

PERFORMED AI ULTIMATE PERFORMANCE INSPECTION (already had been crop swapped)

REVIEWED FINDINGS & REPAIRS WITH CUSTOMER

INSPECTION DISCOUNT -\$114.50

CAUSE:

CORRECTION:

ENGINE HOURS 2951
SEPARATOR HOURS 2214

Miscellaneous	Description	Quantity	Net Price	Extended Price	Taxed Ind
5267	ADVERTISE/PROMO-OAKLEY PARTS & SERV				
Comment: INSPECTION DISCOUNT					

Sub-Total: \$898.00

/DRIVE&DRIVENR&R Retail

COMPLAINT:

02 R&R Fan Drive and Driven

CAUSE:

CORRECTION:

R&R & Replace engine fan drive & driven units
Belt is new from last harvest
Disassemble old units to show customer bad/wore out parts

PartNumber	Description	Quantity	Net Price	Extended Price	Taxed Ind
M8114	Screw	4.00			
AXE24361	Fan Drive	1.00			
AXE38115	SHEAVE ASS	1.00			
R98527	FILTER	1.00			

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2012 JOHN DEERE S670	2951	1H0S670SAC0747090	20190C	

Service Reminders:

Sub-Total: \$4,711.94

/FEEDERHOUSEFLOOR Retail

COMPLAINT:

03 GENERALL FEEDERHOUSE FLOOR

CAUSE:

CORRECTION:

R&R upper variable drive counter shaft
Clean out old grease & replace seal
Repack assembly with synthetic grease
Adjust reverser drive belt
R&R & Replace feeder drive chain & move to small sprocket

PartNumber	Description	Quantity	Net Price	Extended Price	Taxed Ind
AH136497	SEAL	1.00			
AXE80366	LINK CHAIN, ASSY, #60H, 189 LINKS	1.00			
TY24416	HD LITHIUM COMPLEX GREASE	1.00			

Sub-Total: \$635.25

/COMBINESEPARATOR Retail

COMPLAINT:

04 SEPARATOR

CAUSE:

CORRECTION:

R&R & Replace feed housing front plate (under feed accelerator)
Replace with full width rice plate (hole in floor plate)
R&R & Replace spreader disk "slings" (plates & supports)
Weld & paint crack in vertical auger gearcase adapter ring
R & Replace chaffer element (cost of repairs was same as new)
R&R front chaffer
Reinsert louver holders & install bolts to retain them
Note: had a tough time worth front chaffer; nothing fits right
Weld patch over hole in middle rotor cover, buff & paint
Make & weld patch over hole in clean grain elevator boot - buff & paint

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Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
2012 JOHN DEERE S670	2951	1H0S670SAC0747090	20190C	

Service Reminders:

R&R & Replace lower clean grain auger trough/door
Add liner to trough by using new auger cover for material
Cut, weld, buff, & paint
R&R & Replace auger drive shear bolt (half sheared)
Adjust belts & chains as needed
R&R #2 shoe auger bearings (front one loose)
R&R fan drive adjusting motor & clean out dirt from gears (would not adjust)
R&R & Replace fan belt (maxed at 1200 rpm) - new belt will run 1300 rpm
Run machine to clean out, test repairs, & set speeds

Number	Description	Quantity	Net Price	Extended Price	Taxed Ind
03M7184	CARR BOLT 8 X 20MM	20.00			
AXE15954	Door	1.00			
AXE28477	Dual Adjust Chaffer General Purpose	1.00			
AXE39453	BEARING	2.00			
E64256	M8 LCKNUT	1.00			
H137328	M8FLG LKNUT	20.00			
H170374	BLADE	8.00			
H174163	REINFORCEM	8.00			
H174680	FLOOR	1.00			
H206048	V-BELT	1.00			
H218954	SHEAR BOLT	1.00			
HARDWARE	BOLTS 1/16	13.00			
HXE22290	Cover	1.00			
HXE30899	Seal	2.00			
JD8554	LOCK COLLAR	2.00			
M64720	RIVET	4.00			
TY25624	GREEN SPRAY PAINT	1.00			

Sub-Total: \$10,051.53

/CombineHydraulics Retail

COMPLAINT:

05 Combine Hydraulics Repairs

CAUSE:

CORRECTION:

Secure steering hoses to keep from rubbing chaffer frame.

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2012 JOHN DEERE S670	2951	1H0S670SAC0747090	20190C	
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Service Reminders:

Sub-Total: \$67.50

/COMBINEENGINE Retail

COMPLAINT:

06 ENGINE

JSE:

CORRECTION:

R&R & Replace ether line (had holes)
Install missing bolts in engine shields
Check turbo whistle - nothing seems bad

PartNumber	Description	Quantity	Net Price	Extended Price	Taxed Ind
14M7298	8MM FLANGE NUT	5.00			
19M7866	8X20FLG BOLT	6.00			
M84971	8M NUT	2.00			
R320564	GASKET	1.00			
SF60	BRASS CONE FERRELS	2.00			
TY22417	.07" ID x .125 OD NYLON HOSE	43.00			

Sub-Total: \$267.86

/COMBINEELECTRICAL Retail

COMPLAINT:

07 ELECTRICAL

CAUSE:

CORRECTION:

Check Codes

ook for possible problems generating codes
Nothing obvious (decided against spending much time on codes that might not come back)
Check RH rear red light (generates code)
Seems ok, swapped bulb with LH light & problem stays with RH red light

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2012 JOHN DEERE S670	2951	1H0S670SAC0747090	20190C	

Service Reminders:

Sub-Total: \$202.50

/CombineRearTireStem Retail

COMPLAINT:

08 Remove and reinstall rear tires

CAUSE:

CORRECTION:

Swap rear tires because of stalk damage

Sub-Total: \$135.00

Customer PO No:
Tax Exempt No:
Advisor:

Labor:	
Parts:	
OL&M:	
Misc:	
Sales Tax:	
Total:	\$16,971.25

TERMS AND CONDITIONS

the event this invoice is not paid in full by the 10th of the month following purchase, the purchaser agrees to pay a monthly periodic FINANCE CHARGE the rate of 1.5% which is an ANNUAL PERCENTAGE rate of 18% on the unpaid balance. The purchaser also agrees to pay reasonable attorney fees if collection efforts are required.

RETURN POLICY is as follows: No refund will be granted on electrical components. A restocking charge on all other returns may apply. No returns will be accepted after 30 days. All returns must be accompanied by this invoice. All parts less than \$20 will be non-returnable.

Received by:

Date:

Invoice To Account No: 15381

SERVICE INVOICE

COPY

Invoice Number: **1610751**

Invoice Date: 5/28/2019

Location: 10

Work Order Number: 273651

Payment Type: Account

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Make/Model:

Meter:

Serial Number:

Eq ID:

Fleet No:

JOHN DEERE S670

2208

1H0S670SAC0747090

20190C

/WINTERSPECIAL Retail

COMPLAINT:

WINTER SERVICE DISCOUNTS & PROMOTIONS

ULTIMATE PERFORMANCE INSPECTION DISCOUNT -\$162.50

5% CASH LABOR DISCOUNT

5% CASH PARTS DISCOUNT

EDDIE BAUER JACKET

THANK YOU FOR DOING BUSINESS WITH US!

CORRECTION:

Miscellaneous	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
3790	WS PARTS DISCOUNT					
3970	SERVICE LABOR DISCOUNT					
Sub-Total: (\$693.24)						

/COMBINEINSPECTION Retail

COMPLAINT:

PERFORMED AI ULTIMATE PERFORMANCE COMBINE INSPECTION

REVIEWED FINDINGS & REPAIRS WITH CUSTOMER

CORRECTION:

ENGINE HOURS 2208

SEPARATOR HOURS 1629

Miscellaneous	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
5267	ADVERTISE/PROMO-OAKLEY PARTS & SERV	1.00	0.00	-162.50	(\$162.50)	N
Sub-Total: \$700.00						

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JOHN DEERE S670	2208	1H0S670SAC0747090	20190C	

/COMBINEFEEDERHOUSE Retail

COMPLAINT:
03 FEEDER HOUSE

CORRECTION:

Remove 1 set of 1/2 links from feeder chain & adjust tension
(replace on gauge with good used one)
Adjust stop plates for lateral tilt frame (bottom stops)
R&R & Replace feeder house upper variable drive sheaves & support
Recondition hydraulic cylinder
R&R & Replace both FH drive belts (upper & lower) -
just feeder drive chain

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
19M7867	8X25FLG BOLT					
24H1740	WASHER					
AH136497	SEAL					
AH165609	BALL BRG					
AH204591	HALF SHEAV					
AH209762	SEAL					
AH209763	SEAL					
AXE55405	STRAP					
H171448	WASHER					
H217454	HALF SHEAV					
H97378	HUB					
HXE45928	Hi-Torque Var. F.H. Belt					
HXE95935	V-BELT					
JD10018	BALL BRG					
JD7760	1/8" PT 65-Degree ZERK					
M84309	PUSH NUT					
R31378	O-RING					

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JOHN DEERE S670	2208	1H0S670SAC0747090	20190C	

/COMBINEFEEDERHOUSE Retail
TY25744 EXTREME-DUTY SYNTH. GREASE

Sub-Total: \$4,199.77

/COMBINESEPARATOR Retail

COMPLAINT:
04 SEPARATOR

CORRECTION:

R & Replace shoe / auger / fan drive belt (cracks)
Adjust conveyor auger gears (loose) NOTE: #2 did not want to move
Perform crop swap; corn to wheat
R&R & Replace separator RH rail center wear plate (wore thru)
Remove wear plate from center rotor cover, RH side, in front of tailings opening
(actually causes more wear to rotor cover)
Install front wear plate on LH separator rail (measure, mark & drill holes)
Adjust elevator chains, & remove 1/2 link from clean grain chain
R&R & Replace spreader shaft bearings (LH side failed) - both sides
Add washers to deflectors above spreader (to lock solid)
Top off shear bolt bank for unloading auger drive
Drill & add bolts to unloading drive pulley (to keep spot welds from breaking)
Replace plugs with zerks in chipper drive counter shaft & rotor drive sheaves, modify
shield on counter shaft in order to grease inner bearing
Install all shields
Run machine to test repairs & set speeds

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
14M7296	10MM FLANGE NUT					
14M7298	8MM FLANGE NUT					
19M7783	10X16FLG BOLT					
19M7865	8X16FLG BOLT					
28H1511	BSHG/WSHR					
AE38448	VALVE,PRESSURE					
AH170119	Louver					

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/COMBINESEPARATOR Retail

AH209763	SEAL
AN102562	CORN HEAD GREASE (Tube)
AXE39453	BEARING
E64256	M8 LCKNUT
H170141	PIVOT
H218954	SHEAR BOLT
H223214	BOLT
HXE10208	Cover
HXE104402	Coupling
HXE120852	Shim
HXE121523	COVER
HXE82335	V-BELT
J16931	PIN
JD7759	ZERK, 1/8"
JD8554	LOCK COLLAR
M84309	PUSH NUT
R1964R	DOWEL PIN
TY26372	80W-140 SYNTH.GL-5 Gear LUBE QT.
TY6341	SD POLY GREASE
HARDWARE	BOLTS 1/16

Labor: \$3,680.00	Parts: \$844.52	OL&M: \$0.00	Misc: \$0.00	Sub-Total: \$4,524.52
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/CombineHydraulics Retail

COMPLAINT:

05 Combine Hydraulics Repairs

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JOHN DEERE S670	2208	1H0S670SAC0747090	20190C	

/CombineHydraulics Retail

CORRECTION:

R&R & Replace main pump supply hose & clamps (leaking)

R&R hydraulic reservoir oil

R&R & Replace hydraulic filters & top off reservoirs

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
AXE12744	HOSE CLAMP					
HXE16407	HYDRAULIC					
T17951	O-RING					
TC150	11/4 T BOLT CLAMP					

Sub-Total: \$799.51

/COMBINEENGINE Retail

COMPLAINT:

06 ENGINE

CORRECTION:

Install missing rotary screen main drive belt

R&R & Replace rotary screen drive belt tensioner & idler pulleys

Grease engine fan drive sheaves

Adjust rear access door / ladder (dragging hard on slide)

Check over turbos (has a high pitched whistle) - seems ok

Perform a parked regen (operated stated he bypassed this twice)

R&R & clean out sediment bowl & screen; drill, tap, & install drain valve

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
AH140497	IDLER					
AH169549	Center Sheave					
H238867	V-BELT					

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JOHN DEERE S670	2208	1H0S670SAC0747090	20190C	

/COMBINEENGINE Retail							
310200	DRAIN COCK	1.00	4.12	4.12	\$4.12	N	
						Sub-Total:	\$1,169.63

/COMBINEELECTRICAL Retail

COMPLAINT:
07 ELECTRICAL

DIAGNOSIS:

AGNOSE NO START PROBLEM:

Had to jump across disconnect switch to get "juice" to starter

Replace disconnect switch

Clean power connections at both fuse panels

Replace broken bolt on inner fuse panel (make one from carriage bolt)

Charge batteries & clean dirt & debris from battery box

Remove cover from starter relay (holds wet material to corrode terminal)

Tie up loose harnesses & hoses under charge pump filter

R&R moisture sensor & remove backing plate material around auger

Repair lights: replace bulbs in RH rear tail light, RH front amber, & 2 LH gull wing lights

Diagnose Grain Tank Light

Try new bulb - no

Test voltage - no

Force light on at LC1 address (works)

Run through addresses & find all LC1 & CAB addresses that pertain to grain tank light

Finally - found by turning "off" light at CAB 114, light now works!

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
12H331	Lock Washer					
24H1682	WASHER					
AT41188	SWITCH					
AXE16948	BULB					
H77698	TIE BAND					

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JOHN DEERE S670	2208	1H0S670SAC0747090	20190C	

/COMBINEELECTRICAL Retail						
RE49778	BULB	2.00	1.70	1.70	\$3.40	N
Sub-Total:						\$1,169.86

/GEN SOFTWARE UPDATE Retail
COMPLAINT:
10 UPDATE SOFTWARE/CHECK PIPS

CORRECTION:
Update all available software
Check codes & clear ALL codes

Sub-Total:						\$230.00
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/COMBINESERVICE Retail
COMPLAINT:
11 SERVICE MACHINE

CORRECTION:
R&R & Replace engine oil & filter
R&R & Replace fuel filters
R&R & Replace engine air filters
R&R & Replace cab filters
Grease ALL grease zerks
Change oil in primary counter shaft gearcase (brown/rusty)
Add breather to dipstick tube (drill hole & weld on coupler)
R&R & Replace fuel tank breather

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
AH128449	HYDRAULIC FILTER	3.00	53.60	53.60	\$160.80	N
H216169	BREATHER	1.00	27.66	27.66	\$27.66	N
HXE11090	Filter Element	1.00	169.75	169.75	\$169.75	N
HXE11091	Filter Element	1.00	141.31	141.31	\$141.31	N

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/COMBINESERVICE Retail

L214634	FILTER
RE284091	AIR FILTER
RE509672	ENGINE OIL FILTER
RE533910	FUEL FILTE
RE539465	FILTER ELEMENT
TY26675	2.5 GAL. 15W-40 PLUS 50 II CJ-4/SN
TY6354	HY-GARD 1 GAL.

Sub-Total: \$1,771.45

Miscellaneous Charges:

Service Accessories

Customer PO No:
Tax Exempt No:
Advisor:

Labor:
Parts:
OL&M:
Misc:
Sales Tax:
Grand Total: \$13,947.54

NOW is the time to buy, making it affordable to update...special financing and leasing offers on all used equipment.

TERMS AND CONDITIONS

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