

Invoice To Account No: 21670

Deliver To:

SERVICE INVOICE

DANIEL PETERSON 214 TIMBER VALLEY DR LINN VALLEY KS 66040	DANIEL PETERSON 412 Lakin Street OSAGE CITY KS 66523	Invoice Number: 1675447 Invoice Date: 10/27/2016 Location: 3 Work Order Number: 128400 Payment Type: Account Page: 1 of 2
Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9560STS	2445	H09560S705755	H09560S705755	

GEN1 Retail

COMPLAINT:

1. feeder house speed

CORRECTION:

Remove couplers from combine
Install new couplers on upper left and lower right

Remove end shield from head
Remove tension off drive chain
Remove drive chain
Remove auger drive sprocket
Remove wobblebox drive pulley
Remove bearing hangers
Remove auger stop
Remove auger arm
Install new auger arm
Install bearing flanges
Install arm stop
Install drive sprocket
Install wobblebox drive belt and pulley
Tension up drive chain and belt
Told customer that other side was cracked



<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Net Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
AH162957	Roller Chain	1.00	113.43	113.43	\$113.43	N
AH225671	Valve	2.00	182.54	182.54	\$365.08	N
H169371	Bushing	2.00	4.44	4.44	\$8.88	N
HXE59494	ARMATURE	1.00	322.87	322.87	\$322.87	N
P50419	Snap Ring	3.00	4.25	4.25	\$12.75	N
<u>Miscellaneous</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Net Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>

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Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9560STS	2445	H09560S705755	H09560S705755	

GEN1 Retail

3921	MILEAGE SRV VEH	85.00	1.80	1.80	\$153.00	N
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Labor: \$519.40	Parts: \$823.01	OL&M: \$0.00	Misc: \$153.00	Sub-Total: \$1,495.41
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Miscellaneous Charges:

Service Accessories	\$74.77
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Labor:	\$519.40
Parts:	\$823.01
OL&M:	\$0.00
Misc:	\$227.77
Sales Tax:	\$0.00
Grand Total:	<u>\$1,570.18</u>

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DANIEL PETERSON 214 TIMBER VALLEY DR LINN VALLEY KS 66040	DANIEL PETERSON 412 Lakin Street OSAGE CITY KS 66523	Invoice Number: 1662545 Invoice Date: 9/27/2016 Location: 3 Work Order Number: 127336 Payment Type: Account Page: 1 of 2
Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	
Make/Model:	Meter:	Serial Number:
JOHN DEERE 9560STS	2435	H09560S705755
		H09560S705755

GEN1 Retail**COMPLAINT:**

1. ENGINE RUNNING ROUGH.

CORRECTION:

85 miles total.

Drove to the customers location. Ran the machine and verified it was running rough. Hooked up service advisor and checked actual vs desired fuel rail pressure and found the actual to be very low. Replaced the fuel rail pressure sensor and pressure relief valve. Ran the machine again with the same results. Changed the fuel filters as they had napa filters on it. Got the filters changed and the system bled. While changing the filters I noticed the machine had an after market fuel programmer on it. Removed that temporarily and ran the machine. The machine ran great and actual and desired fuel rail pressure were right on. Plugged the fuel programmer back in to verify that was the issue and the machine ran rough with bad readings again. Removed the programmer and explained to the customer what I had found. Customer also asked me to look at his feeder house speed decreasing as he goes thru the field. Looked over the machine and found the upper variable feeder house drive was leaking oil. Drove back to the shop and ordered parts. Drove back to the machine. Removed the reverser drive belt. Removed the feeder house drive belt. Removed the supports holding the drive sheaves. Disassembled the variable drive sheaves and installed new bearings and seals. Installed a new cylinder. Reinstalled the variable drive assembly, supports, and belts. Ran the machine and the issue was better but still slowing down. Told the customer we needed to put a new reverser belt on as it was probably slipping. Customer asked me to leave the belt with him and they would put it on themselves when it rained. Drove back to the shop.

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Net Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
24H1740	Washer	1.00	0.86	0.86	\$0.86	N
AH136497	Seal	1.00	19.80	19.80	\$19.80	N
AH165609	Ball Bearing	1.00	108.00	108.00	\$108.00	N
AH213758	HYDRAULIC	1.00	271.00	271.00	\$271.00	N
AXE16948	Bulb	2.00	14.61	14.61	\$29.22	N
H161388	WASHER	1.00	3.00	3.00	\$3.00	N
H171448	Washer	1.00	5.25	5.25	\$5.25	N
H201334	V-Belt	1.00	265.18	265.18	\$265.18	N
H203610	Boot	1.00	19.23	19.23	\$19.23	N
JD10018	Ball Bearing	1.00	64.25	64.25	\$64.25	N
R31378	O-Ring	1.00	4.13	4.13	\$4.13	N

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DANIEL PETERSON 214 TIMBER VALLEY DR LINN VALLEY KS 66040	DANIEL PETERSON 412 Lakin Street OSAGE CITY KS 66523	Invoice Number: 1662545
		Invoice Date: 9/27/2016
		Location: 3
		Work Order Number: 127336
		Payment Type: Account
Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	Page: 2 of 2

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9560STS	2435	H09560S705755	H09560S705755	

GEN1 Retail

RE516335	Pressure Relief Valve	1.00	333.81	333.81	\$333.81	N
RE520930	SENSOR	1.00	280.73	280.73	\$280.73	N
RE522688	FUEL FILTE	1.00	40.08	40.08	\$40.08	N
RE531703	Fuel Filter	1.00	48.72	48.72	\$48.72	N

<u>Miscellaneous</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Net Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
3921	MILEAGE SRV VEH	85.00	1.80	1.80	\$153.00	N

Labor: \$977.70 Parts: \$1,493.26 OL&M: \$0.00 Misc: \$153.00 Sub-Total: \$2,623.96

Miscellaneous Charges:

Hazardous Waste Fee	\$7.50
Service Accessories	\$100.00



Labor: \$977.70
Parts: \$1,493.26
OL&M: \$0.00
Misc: \$260.50
Sales Tax: \$0.00
Grand Total: \$2,731.46

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DANIEL PETERSON 214 TIMBER VALLEY DR LINN VALLEY KS 66040	DANIEL PETERSON 412 Lakin Street OSAGE CITY KS 66523	Invoice Number: 1660914 Invoice Date: 9/23/2016 Location: 3 Work Order Number: 124645 Payment Type: Account Page: 1 of 3
Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	
Make/Model:	Meter:	Serial Number:
JOHN DEERE 9560STS	2421	H09560S705755
		H09560S705755
		Eq ID: Fleet No:

GEN1 Retail**COMPLAINT:**

1. BATTERIES ARE GOING DEAD.

CORRECTION:

180 miles total.

Drove to the customers house and looked at the clean grain elevator system. The customer said a piece of metal had been in there from somewhere and the batteries kept going dead. Found that the lower boot center divider had broke loose. Called and explained to the customer what had happened. Drove back to the shop and ordered parts. Drove to the customers house. Installed new batteries in the machine. Loosened the clean grain drive belt and removed the top cover and removed the belt from the pulley so the paddle chain could be rotated. Removed the lower clean grain boot and installed the new one. Removed a half link from the conveyor chain and adjusted it. Reinstalled the drive belt and cover. Customer also said he had one outside row on his corn head that was letting a lot of corn thru. Looked over the corn head and found the left hand side outer bolts had broke off and was allowing that side of the row unit to move up and down. Removed the poly and disassembled the row unit in order to get the broken bolts out. Once all the parts were removed and the top cover of the row unit was out of the way I was able to see the row unit was cracked and needed replaced. Called the customer and explained what I found. Removed the left side drive chain cover and the row unit drive shaft. Removed the row unit and took it back to the shop. Drove back to the shop and ordered parts. Unloaded the old row unit and used a puller to get the stalk rolls off. Got the new row unit and drove back to the customers house. Installed the new row unit and the stalk rolls. Reinstalled all the previously removed parts. Reinstalled the row unit drive shaft and adjusted the chain. Cleaned the area and reinstalled the cover and filled with oil. Customer also asked me to fix the height sensing on the corn head. Looked over the sensors and wiring. Repaired all three wires on the left hand sensor and repaired one wire on the center sensor. Tried to calibrate the head and found the left sensor was out of adjustment. Adjusted the sensor and was able to calibrate the head. Checked operation of the height sensing and everything worked as it should. Drove back to the shop.

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Net Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
03M7190	Bolt	1.00	1.21	1.21	\$1.21	N
12H301	Lock Washer	4.00	0.77	0.77	\$3.08	N
14M7296	Flange Nut	2.00	1.61	1.61	\$3.22	N
19H1815	Cap Screw	4.00	1.66	1.66	\$6.64	N
AH171008	BOOT	1.00	828.10	828.10	\$828.10	N
AN102562	Lubricant	10.00	3.67	3.67	\$36.70	N
C17964	Ring	1.00	2.00	2.00	\$2.00	N
H135175	Retainer	1.00	2.32	2.32	\$2.32	N

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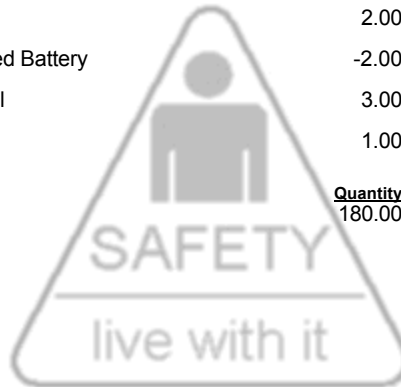
DANIEL PETERSON 214 TIMBER VALLEY DR LINN VALLEY KS 66040	DANIEL PETERSON 412 Lakin Street OSAGE CITY KS 66523	Invoice Number: 1660914 Invoice Date: 9/23/2016 Location: 3 Work Order Number: 124645 Payment Type: Account Page: 2 of 3
Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9560STS	2421	H09560S705755	H09560S705755	

GEN1 Retail

H135176	Seal	1.00	2.82	2.82	\$2.82	N
H150269	Shaft Key	1.00	12.75	12.03	\$12.03	N
H152916	Pressed Flanged Housing	2.00	5.15	5.07	\$10.14	N
H203392	Slat	3.00	28.94	28.94	\$86.82	N
JD10384	Bearing	1.00	34.19	34.19	\$34.19	N
PG200881	GEAR CASE	1.00	2,215.44	2,215.44	\$2,215.44	N
PM37463	Liquid Gasket	2.00	2.96	2.96	\$5.92	N
RE504836	OIL FILTER	1.00	14.85	14.85	\$14.85	N
TY25803	Dry Charged Battery	2.00	188.60	188.60	\$377.20	N
TY25803-CR	CORE for:Dry Charged Battery	-2.00	22.50	22.50	(\$45.00)	N
TY26675	Plus-50 TM Engine Oil	3.00	40.79	40.79	\$122.37	N
TY6296	LUBRICANT	1.00	6.66	6.66	\$6.66	N

<u>Miscellaneous</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Net Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
3921	MILEAGE SRV VEH	180.00	1.80	1.80	\$324.00	N



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DANIEL PETERSON 214 TIMBER VALLEY DR LINN VALLEY KS 66040	DANIEL PETERSON 412 Lakin Street OSAGE CITY KS 66523	Invoice Number: 1660914 Invoice Date: 9/23/2016 Location: 3 Work Order Number: 124645 Payment Type: Account Page: 3 of 3
Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	Bus Phone: 785-528-4480 Prv Phone: 785-230-5205	

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9560STS	2421	H09560S705755	H09560S705755	

GEN1 Retail						
FREIGHT	FREIGHT	1.00	10.00	10.00	\$10.00	N
Labor: \$2,054.77	Parts: \$3,726.71	OL&M: \$0.00	Misc: \$334.00	Sub-Total: \$6,115.48		

INVOICE CONTAINS \$0.88 DISCOUNT

Miscellaneous Charges:

Hazardous Waste Fee	\$7.50
Service Accessories	\$100.00

Labor:	\$2,054.77
Parts:	\$3,726.71
OL&M:	\$0.00
Misc:	\$441.50
Sales Tax:	\$0.00
Grand Total:	<u>\$6,222.98</u>