

Heritage Tractor, Inc.
 1110 E 23rd St.
 Lawrence, KS 66046
 Phone: 785-843-8444
 hti@heritagetractor.com

Heritage

TRACTOR

WWW.HERITAGTRACTOR.COM



JOHN DEERE

SERVICE INVOICE

Invoice To Account No.: 5628

Deliver To:

TOM EWING 21684 W 191 ST SPRING HILL KS 66083 Phone: 913-592-3264	TOM EWING 21684 W 191ST STREET SPRING HILL KS 66083 Phone: 913-592-3264	Invoice Number: 1254409 Invoice Date: 12/23/2013 Branch: 6 Repair Order Number: 45879 Payment Type: Finance
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Make/Model:	JOHN DEERE 567
Meter Reading:	
Serial Number:	E00567X198221
Equipment Number:	TE567
Page:	10 of 10

GEN9 Retail

19M7788	SCREW	2.00	1.02	\$2.04	N
E131889	Wear Plate	1.00	35.49	\$35.49	N
E131890	Wear Plate	1.00	35.49	\$35.49	N

Labor: \$328.00 Parts: \$73.02 Sublet: \$0.00 Misc: \$0.00 Total: \$401.02

GEN10 Retail

COMPLAINT: \$328.00
 10. REPAIR BRACKET FOR REAR GATE ROLLER

Rear gate roll bracket on left hand side has broken bolts.

CAUSE:

CORRECTION:

Removed bracket and hardware. Installed bolts from inside the frame through bracket. Reinstalled bracket. Fabricated a brace bolted onto the frame of the gate to prevent bolts from breaking again. Cleaned burrs from spiral on roller where had made contact with gate frame.

Labor: \$328.00 Parts: \$0.00 Sublet: \$0.00 Misc: \$0.00 Total: \$328.00

Finance Information

Customer PO No.:	
Tax Exempt No.:	ON FILE
Advisor:	LIBBY SPRING

Type:	Multi-use Acct US	Merchant No.:	37000286
Auth. No.:	388936		
Card No.:	xxxxxxxxxxxx4869		
Bill Code:	707 - JD HAY PARTS/SERVICE		
Credit Plan:	22439 - 150 DAYS NO PAYMENTS/NO INTE		

Labor:	\$3,433.05
Parts:	\$2,098.60
Sublet:	\$0.00
Misc:	(\$288.47)
Sales Tax:	\$0.00
Total:	\$5,243.18

TERMS AND CONDITIONS

Finance Charges are 1.5% per month (APR of 18%) and will be charged on balances over 30 days past due.
 No returns after 30 days and 15% restocking fee on all special order items.
 No returns on electrical items.

SUBMITTED TO
JOHN DEERE FINANCIAL
PAY JOHN DEERE
FINANCIAL DIRECTLY

Signed:

Date:

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Page: 1 of 10

//100100M-567 Retail

COMPLAINT:

1. MACHINE INSPECTION WSS

\$784.46

CAUSE:

CORRECTION:

1. MACHINE INSPECTION WSS

Complete PerforMax inspection timing per checklist available

Drives:

Check main gear case levels

Check alignment of drive and driven sprockets

Lubricate and adjust drive chains

Align and adjust chain idlers and guides

Check PTO driveline and shields

Check PTO shear bolt or slip clutch

Pickup:

Check drive belt and idler for cracks

Check slip clutch torque (MegaWide Plus)

Check auger scrapers

Check strippers

Check teeth

Check tooth endplay

Check compressor rack and rods

Check pickup height adjuster

Check cam and cam bearings

Check float springs

Check gauge wheels, tires and hubs

Inspect rotor strippers

Automatic Twine Wrapping System:

Check twine arm and drive gear alignment

Check and adjust twine electric actuator

Check voltage

Check twine arm timing

Check all twine arm adjustments

Inspect twine arm washers

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Page: 2 of 10

- Inspect twine guides
- Check twine tension plates
- Inspect twine indicator
- Check twine cutter tension
- Check and adjust twine cutter knife
- Check knife travel
- Check twine wrap sensor
- Check and adjust knife and anvil
- Automatic Net Wrapping System:
 - Check feed roll brake
 - Inspect rubber feed roll
 - Check knife and knife travel
 - Check operation of monitor
 - Check actuator
 - Check voltage
 - Check V-belt and idler
 - Inspect steel rolls for pits or rust
- Rolls:
 - Check #9 roll scraper
 - Check stagger roll scraper (high moisture)
 - Inspect starter roll and bearings (roll #1)
 - Inspect lower belt drive roll and bearings (roll #2)
 - Inspect front idler roll and bearings (roll #3)
 - Inspect upper belt drive roll and bearings (roll #4)
 - Inspect front tension arm idler roll and bearings (roll #5)
 - Inspect top arm roll and bearings (roll #6)
 - Inspect upper rear gate roll and bearings (roll #7)
 - Inspect lower rear gate roll and bearings (roll #8)
 - Inspect lower gate roll and bearings (roll #9)
 - Inspect rear tension arm idler roll and bearings (roll #10)
 - Inspect top idler roll and bearings (roll #11)
 - Inspect center tension arm idler roll and bearings (# 12)
 - Inspect belt staggering roll and bearings (roll #13)
- Monitor and Electrical:
 - Check gate latch switches
 - Check oversize bale switch
 - Check bale size switch
 - Check wrapping cycle switch
 - Check bale switch
 - Check bale counter

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Page:	3 of 10

- Check monitorlights, gauges and alarm
- Check electrical harnesses
- Check bale diameter sensor
- Check bale shape sensors
- Belts:
- Check belts
- Check bell tracking
- Check starter roll scraper
- Check belt tread
- Check lacing and pins
- Hydraulics:
- Check bale density valve
- Check bale density gauge
- Inspect tensioning cylinder and hoses
- Check gate latch linkage
- Check gate lockout and/or valve
- Check gate cylinders and hoses
- Safety:
- Inspect PTO shields
- Inspect shields and latches
- Inspect SMV emblem
- Inspect fire extinguisher
- Check all decals
- Inspect warning lights
- Inspect safety chain
- Inspect parking stand
- Miscellaneous:
- Inspect tires, wheels and hubs
- Check tension system chains, springs and sprockets
- Inspect gate hinges
- Operated baler. Checked over baler for wear or damage. Inspected bearings. Checked gear case and drive line. Inspected belts.
- Inspected gate and latches. Inspected pickup.
- Greased baler. Operated and checked work performed. Washed baler.

3970 SVC LBR DISC ALLOWED - AG ONLY 1.00 -334.47 (\$334.47) N

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Equipment Number:	TE567
Page:	4 of 10

//100100M-567 Retail

WS6HE13	WINTER SERVICE HAY 2013	1.00	0.00	\$0.00	N
Labor: \$784.46	Parts: \$0.00	Sublet: \$0.00	Misc: (\$334.47)	Total: \$449.99	

GEN2 Retail

COMPLAINT: \$475.59
 2. REPLACE SEALS IN GEARCASE

CAUSE:

A dipstick had been dropped inside of gearcase. Metal fragments had damaged seals.

CORRECTION:

Removed driveline from gearcase. Removed gearcase from baler. Disassembled gearcase and found a dipstick had been dropped inside gearcase. Metal shavings were built up in bearings and seals. Replaced bearing and seals. Reassembled gearcase. Installed gearcase and driveline. Filled gearcase with oil.

Part Number	Description	Quantity	Unit Price	Value	Taxed Item
3771	SERVICE ACCESSORIES	1.00	40.00	\$40.00	N
AA21292	Quick Lock Pin	1.00	1.51	\$1.51	N
AE46875	Tapered Roller Bearing	4.00	42.25	\$169.00	N
AE46877	Cap	1.00	31.06	\$31.06	N
DE18700	Seal	2.00	9.31	\$18.62	N
FH312150	Splined Coupling	1.00	41.73	\$41.73	N
TY6345	LUBRICANT	2.00	8.26	\$16.52	N
Labor: \$475.59	Parts: \$278.44	Sublet: \$0.00	Misc: \$40.00	Total: \$794.03	

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Meter Reading:	
Serial Number:	E00567X198221
Equipment Number:	TE567
Page:	5 of 10

GEN3 Retail
 COMPLAINT:
 3. RESIZE BELTS

\$656.00

CAUSE:
 Splices were starting to tear from belts.

CORRECTION:
 Removed bells from baler. Measured belts. All belts were at minimum length. Cut long belts down to make new short belts. Added 36 inch splices to short belts and cut to length to make new long belts. Installed belts in baler. Operated baler and checked belt alignment.

Part Number	Description	Quantity	Unit Cost	Value	Taxed Ind
AE53298	Clip	20.00	13.78	\$275.60	N
E86147	Pin	8.00	2.11	\$16.88	N

Labor: \$656.00 Parts: \$292.48 Sublet: \$0.00 Misc: \$0.00 Total: \$948.48

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Equipment Number:	TE567
Page:	6 of 10

GEN4 Retail

\$82.00

COMPLAINT:

4. REPLACE BROKEN COMPRESSION SPRING ON RIGHT HAND SIDE

CAUSE:

Tension spring broke in half.

CORRECTION:

Released tension from spring. Removed hardware and spring. Installed new tension spring.

Part Number	Description	Quantity	Unit Net	Value	Taxed Ind
FH316661	Compression Spring	1.00	108.54	\$108.54	N
Labor: \$82.00					
Parts: \$108.54					
Sublet: \$0.00					
Misc: \$0.00					
				Total: \$190.54	

GEN5 Retail

\$574.00

COMPLAINT:

5. REPLACE DRIVE CHAINS AND SPROCKETS - REPLACE DRIVE SPROCKET BEARING AND STARTER ROLL BEARINGS

CAUSE:

Chains and sprockets have excessive wear.

CORRECTION:

Removed drive chains and sprockets from left hand side of baler. Removed and replaced bearings on starter roll and main drive sprocket bearing. Installed and aligned new sprockets. Installed new chains.

NOTE: CUSTOMER DID NOT WANT TO DO RIGHT HAND SIDE PICK UP DRIVE AND SPROCKETS

Part Number	Description	Quantity	Unit Net	Value	Taxed Ind
11M7032	Cotter Pin	1.00	0.41	\$0.41	N

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Equipment Number:	TE567
Page:	7 of 10

GEN5 Retail

11M7085	Cotter Pin	1.00	0.52	\$0.52	N
19M7789	Screw	1.00	1.02	\$1.02	N
24H1534	Washer	5.00	0.78	\$3.90	N
24H1569	WASHER	5.00	0.63	\$3.15	N
24H1574	Washer	2.00	1.46	\$2.92	N
28H3236	BUSHING	1.00	18.27	\$18.27	N
34H337	Spring Pin	3.00	0.83	\$2.49	N
AE40895	Ball Bearing	2.00	71.07	\$142.14	N
AE74238	Roller Chain	1.00	46.09	\$46.09	N
AE74446	Roller Chain	1.00	156.81	\$156.81	N
AFH205784	Chain Sprocket	1.00	68.97	\$68.97	N
AFH205815	Chain Sprocket	1.00	127.31	\$127.31	N
AFH205816	CHAIN SPRO	1.00	94.27	\$94.27	N
AFH205819	Chain Sprocket	1.00	215.79	\$215.79	N
AFH205981	Roller Chain	1.00	33.12	\$33.12	N
AN15521	Idler Sprocket	2.00	21.51	\$43.02	N
C3994E	Pressed Flanged Housing	2.00	3.75	\$7.50	N
E74826	Pressed Flanged Housing	4.00	8.22	\$32.88	N
FREIGHT	FREIGHT	1.00	6.00	\$6.00	N
JD9420	Ball Bearing	1.00	39.55	\$39.55	N

Labor: \$574.00 Parts: \$1,040.13 Sublet: \$0.00 Misc: \$6.00 Total: \$1,620.13

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Page:	8 of 10

GEN6 Retail

COMPLAINT:

6. REPLACE NET WRAP DOOR STOP & ADJUST DOOR LATCH

\$41.00

Net wrap door would not stay latched.

CAUSE:

Door is deformed and latch was out of adjustment.

CORRECTION:

Adjusted door latch and replaced door stops. Door stayed latched.

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Nett</u>	<u>Value</u>	<u>Taxed Incl</u>
24H1399	Washer	2.00	1.84	\$3.68	N
H97618	Plug	2.00	1.87	\$3.74	N
Labor: \$41.00		Parts: \$7.42		Sublet: \$0.00	
		Misc: \$0.00		Total: \$48.42	

GEN7 Retail

COMPLAINT:

7. REPLACE BEARING AND BENT BOLT IN LEFT HAND GAGE WHEEL

\$41.00

CAUSE:

Bolt in gauge wheel was bent.

CORRECTION:

Removed gauge wheel. Replaced bearing inside wheel. Replaced bolt, nut, and bushing. Installed gauge wheel. Still wobbled on bolt. Removed gauge wheel and straightened wheel center. Installed gauge wheel. Wheel rolled straighter, has slight wobble.

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Nett</u>	<u>Value</u>	<u>Taxed Incl</u>
14M7170	Lock Nut	1.00	1.98	\$1.98	N
19M8610	Screw	1.00	5.62	\$5.62	N
AN212132	BALL BEARI	1.00	14.79	\$14.79	N

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Equipment Number:	TE567
Page:	9 of 10

GEN7 Retail						
E96831	Bushing	1.00	8.63	\$8.63	N	
Labor: \$41.00		Parts: \$31.02		Sublet: \$0.00		Misc: \$0.00
				Total: \$72.02		

GEN8 Retail \$123.00
COMPLAINT:
 8. REPLACE COMPRESSION BARS AND STRAIGHTEN PICK UP STRIPPERS

CAUSE:
 Pickup compression bars deformed. Pickup had net wrapped inside of strippers and strippers were pushed up into pickup teeth

CORRECTION:
 Removed and replaced compression bars. Bent strippers away from pickup teeth. Cleaned net wrap from insido strippers.

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Nett</u>	<u>Value</u>	<u>Taxed Ind</u>
14M7400	LOCK NUT	5.00	1.24	\$6.20	N
FH309642	Compressor Rod	5.00	52.27	\$261.35	N
Labor: \$123.00		Parts: \$267.55		Sublet: \$0.00	
				Misc: \$0.00	
Total: \$390.55					

GEN9 Retail \$328.00
COMPLAINT:
 9. REPLACE WEAR STRIPS ON CENTER TENSION ARM

CAUSE:
 Excessive bell wear.

CORRECTION:
 Had alread removed belts. Cut welds and removed wear strips. Welded on new wear strips. Cleaned net wrap from tension arm rollers.

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Nett</u>	<u>Value</u>	<u>Taxed Ind</u>
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