

Invoice # 568728

HIAWATHA IMPLEMENT CO., INC.

1410 State Street (Hwy 59N)
Mound City, Missouri 64470
(660) 442-3814



Bill To - 32742
CRONK LAND IMPROVEMENT
12932 KEYSTONE DRIVE
MOUND CITY, MO 64470
Email: rc6121988@live.com
Phone:
Fax:

Deliver To - 32742
CRONK LAND IMPROVEMENT
12932 KEYSTONE DRIVE
MOUND CITY, MO 64470
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Phone:
Fax:

SERVICE INVOICE

Invoice # 568728
Invoice Date 7/27/2023
Work Order 117818
Submitted By Ian White
Location 2 - Mound City

Make/Model	Serial Number	Meter	Equipment ID	Fleet Number
JOHN DEERE 8430	8430H 001521R	8,302.00	RC8430	

Customer PO #	Tax Exempt #	Advisor
	811839233	Ian White

Summary	Labor	OL&M	Misc	Parts	Subtotal
Job 1	\$3,100.54	\$0.00	\$0.00	\$3,366.74	\$6,467.28
Job 2	\$375.00	\$0.00	\$0.00	\$329.02	\$704.02
Job 3	\$1,250.00	\$0.00	\$0.00	\$813.38	\$2,063.38
Job 4	\$875.00	\$0.00	\$168.02	\$29.54	\$1,072.56
				Subtotal	\$10,307.24
				Tax	\$22.12
				Total	\$10,329.36

Job 1 - Retail

Labor	OL&M	Misc	Parts	Subtotal
3,100.54	0.00	0.00	3,366.74	6,467.28

COMPLAINT:

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REPAIR: A/C NOT WORKING

*** USED LAWN AND GARDEN LABOR RATE ON ALL SEGS. IAN ***

CORRECTION:

[7/11/2023] - [5:14:35 PM] - [Brady Gerdes]:

Converted the a/c to R134. Had to replace the compressor. Before I changed the compressor, I charged the system with nitrogen and found the rubber a/c lines were all seeping, so I had to replace them. I also found the steel lines going up the cab corner were rusted and leaking. I removed all the old a/c lines and replaced them. While the lines were off I flushed the condenser and evaporator, it was very nasty. It took a couple cans of flush for both. The floor pan was removed to access the couplers on the hoses. I had to remove the side window to get the side corner post off to replace them lines along with the side panel on the cab. Got them replaced and put them corner post back together and put the side panel back on. Put a new receiver dryer on and expansion valve. Hooked all the lines back up and charged it with nitrogen, it held pressure so I drained that and vacuumed the system then charged it. I changed the cab filter. Operated the machine and found it was leaking water in the cab. Pulled the headliner down and found the drain line was chewed off. I was able to cut the bad spot out and put it back on. Put the cab back together and took the machine outside and blew the radiator and condenser out. Let the machine run with the a/c on for awhile to make sure it was going to stay working and it did at this time.

Part Number	Description	Quantity	Unit Price	Extended Price	Tax Ind
Part - 12H294	5/8 LOCK WAS	1.00	1.02	1.02	T
Part - 12H301	1/2 LOCK WAS	1.00	0.63	0.63	T
Part - 12H304	3/8 LOCK WAS	2.00	0.41	0.82	T
Part - 14H1040	1/2 NUT GR 8	1.00	1.03	1.03	T
Part - 14H1076	3/8 GR. 8-NUT	2.00	0.62	1.24	T
Part - 19H1731	3/8X1" #5-BOLT	2.00	0.87	1.74	T
Part - 19H1831	1/2 X 2 #5	1.00	2.86	2.86	T
Part - 19H1948	1/4 X 3/4 #5	1.00	0.65	0.65	T
Part - 19M7742	10M X 65M	1.00	3.43	3.43	T
Part - 24H1308	WASHER	1.00	1.21	1.21	T
Part - 24H1821	WASHER	1.00	0.48	0.48	T
Part - 57M7511	SOCKET CON	1.00	0.97	0.97	T
Part - AH21762	INTERNAL H	1.00	37.58	37.58	T
Part - AH21763	EXTERNAL H	1.00	35.83	35.83	T

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Part - AN273262	HOSE	1.00	283.30	283.30	T
Part - AR58147	INTERNAL H	1.00	46.36	46.36	T
Part - AR58287	HYDR.QUICK COUPLER SOCKET	1.00	38.27	38.27	T
Part - AR70019	Line	1.00	103.09	103.09	T
Part - AR70042	OIL LINE	1.00	209.57	209.57	T
Part - AR70043	Line	1.00	248.15	248.15	T
Part - AR77342	SUPPORT	1.00	67.08	67.08	T
Part - AR77344	FUSE	1.00	9.20	9.20	T
Part - AR77345	WIRING HAR	1.00	36.62	36.62	T
Part - AR78501	KIT	1.00	52.10	52.10	T
Part - B15646	O-RING	2.00	1.45	2.90	T
Part - B15646	O-RING	1.00	1.45	1.45	T
Part - B15646	O-RING	1.00	1.45	1.45	T
Part - K40003	LOCK NUT 3/8	1.00	1.05	1.05	T
Part - P50883	RING	1.00	1.04	1.04	T
Part - P50883	RING	1.00	1.04	1.04	T
Part - R10093	O-RING	5.00	1.28	6.40	T
Part - R113050	RING	2.00	1.55	3.10	T
Part - R33259	O-RING	2.00	1.73	3.46	T
Part - R34812	O-RING	1.00	1.13	1.13	T
Part - R46414	CLAMP	1.00	2.44	2.44	T
Part - R52149	WEATHERSTR	1.00	33.70	33.70	T
Part - R52998	Nut	1.00	10.23	10.23	T
Part - R53000	Nut	1.00	6.76	6.76	T
Part - R57636	WASHER	1.00	1.23	1.23	T
Part - R57637	WASHER	1.00	0.48	0.48	T
Part - R60171	STRAP	1.00	22.64	22.64	T
Part - R65450	AIR FILTER	1.00	16.57	16.57	T
Part - R74210	O-RING	1.00	2.45	2.45	T
Part - R77896	INSULATOR	2.00	38.89	77.78	T

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Part - RE12793	AIR FILTER	1.00	59.45	59.45	T
Part - RE161224	HOSE	1.00	65.20	65.20	T
Part - RE212794	ELBOW FITT	1.00	21.37	21.37	T
Part - RE212795	ELBOW FITT	1.00	25.96	25.96	T
Part - RE57312	HOSE	1.00	49.95	49.95	T
Part - RE57329	LINE	1.00	269.79	269.79	T
Part - RE576834	Receiver-Dryer	1.00	51.78	51.78	T
Part - RE577432	Control Valve	1.00	65.00	65.00	T
Part - RE58487	LINE	1.00	248.15	248.15	T
Part - RM100298	COMPRESSOR REMAN	1.00	576.97	576.97	T
Part - RM100298-CR	CORE for:Compressor Reman	(1.00)	30.00	(30.00)	T
Part - T13814	CLAMP	1.00	1.73	1.73	T
Part - TY25600	SECONDARY AC FLUSH	4.00	66.99	267.96	T
Part - TY27355	PRIMARY AC FLUSH	4.00	32.29	129.16	T
Part - U46662	TERMINAL	1.00	0.66	0.66	T

Additional Part Charges

Part - BULK WIRE	BULK WIRE	24.00	0.42	10.08	Taxable
Part - S3751	SHIPPING AND HANDLING	1.00	130.75	130.75	Non-Taxable
Part - S3751	SHIPPING AND HANDLING	1.00	42.25	42.25	Non-Taxable

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Job 2 - Retail

	Labor	OL&M	Misc	Parts	Subtotal
	375.00	0.00	0.00	329.02	704.02

COMPLAINT:

DIAGNOSE: SOMETHING IS DRAWING BATTERIES DOWN

*** DON'T SPEND A BUNCH OF TIME ON IT. RYAN SAID TO PUT A DISCONNECT SWITCH ON IT ***

CORRECTION:

[7/11/2023] - [4:53:24 PM] - [Brady Gerdes]:

Hooked my volt meter up and found there was a draw. I also noticed the functions inside the cab would work without the key on. I removed the dash and ohmed the cab relay, found it was shorted out. I replaced it and while doing that I found the alternator was causing the issues. The alternator was shorted internally and it was back feeding to the key switch which was keeping the cab functions powered up. It then shorted the cab relay. I replaced the alternator and the issue went away. Put the dash back together.

Part Number	Description	Quantity	Unit Price	Extended Price	Tax Ind
Part - 12H304	3/8 LOCK WAS	1.00	0.41	0.41	T
Part - 14H1076	3/8 GR. 8-NUT	1.00	0.62	0.62	T
Part - AR46334	RELAY	1.00	52.51	52.51	T
Part - SE501386	ALTERNATOR	1.00	325.48	325.48	T
Part - SE501386-CR	CORE for:Alternator Reman	(1.00)	50.00	(50.00)	T

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Job 3 - Retail

	Labor	OL&M	Misc	Parts	Subtotal
	1,250.00	0.00	0.00	813.38	2,063.38

COMPLAINT:

REPLACE ALL SCV CABLES

CORRECTION:

[7/11/2023] - [5:06:04 PM] - [Brady Gerdes]:

Unhooked the scv cables from the valves. Unhooked them from the levers. I had to remove the mounting support for the levers to get the cables in and out the way the clamps were on them. To remove that I had to unhook the levers and unbolt part of the side consul. They were very hard to get pulled through the cab with the way they were routed. Pulled the old ones out and pulled the new ones back through. Had to swap the mounting pieces from the old cables to the new ones. Routed the new cables to the scv valves. Hooked them up. Hooked them up to the levers and put the consul all back together. Tested operation and made adjustments on the cables to the valves function properly.

Part Number	Description	Quantity	Unit Price	Extended Price	Tax Ind
Part - 11M7077	COTTER PIN	2.00	0.22	0.44	T
Part - 47617	E TYPE 7/32	2.00	0.50	1.00	T
Part - AR103305	Push Pull Cable	2.00	323.66	647.32	T
Part - R72653	SNAP RING	2.00	0.79	1.58	T
Part - R72654	SNAP RING	2.00	0.82	1.64	T
Part - TY26576	COOL-GARD 2	4.00	40.35	161.40	T

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Job 4 - Retail

	Labor	OL&M	Misc	Parts	Subtotal
	875.00	0.00	168.02	29.54	1,072.56

COMPLAINT:

REPLACE ALL HEATER HOSES

CORRECTION:

[7/11/2023] - [4:58:34 PM] - [Brady Gerdes]:

Drained the coolant from the machine. Removed all the old heater hoses. Replace them with new hose. Also replaced all the clamps. Filled the machine with new coolant. Let the machine run and warm up to work all the air out of the system. Also checked for leaks. Found no leaks at this time.

Part Number	Description	Quantity	Unit Price	Extended Price	Tax Ind
Part - TY22328	5/8 HEATER H	138.00	0.13	17.94	T
Part - TY22465	CLAMP	10.00	1.16	11.60	T

Misc Charges	Description	Quantity	Unit Price	Extended Price	Tax Ind
Misc	Service Accessories	1.00	168.02	168.02	N

Labor	OL&M	Misc	Parts	Subtotal	Tax	Total
\$5,600.54	\$0.00	\$168.02	\$4,538.68	\$10,307.24	\$22.12	\$10,329.36

Payment	Check #/Auth #/Override #	Amount
JD Finance	203792	\$10,329.36

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JD Finance

Card #: 1493
Credit Plan: 00249 - PURCHASE
Descriptive Billing Code: 00704 - JD TRACTOR PARTS/SERVICE
Authorization #: 203792
Terms and Conditions: This purchase(s) is subject to the terms of the Multi-Use Account, a service of John Deere Financial, f.s.b. I grant the issuer a purchase money security interest, except as limited in that agreement, in the goods described.

Repayment Terms:

Received By: _____ Date: _____

Terms & Conditions

For questions on invoice, please contact Chad Derr at derrchad@hiawathajd.com