

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170
Fax: (320) 543-2482



MIDWEST
MACHINERY CO

www.mmcjd.com



JOHN DEERE

Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
JANET ARTMANN
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 10552205

Invoice Date: 07/16/2025

Location: 02

Work Order Number: 1010727

Payment Type: Account

Page: 1 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	8222	RW9630E003714	ASHWILL9630	

/SERVICECALL Retail

COMPLAINT:

REPAIRS TO STEERING METERING VALVE

CAUSE:

CORRECTION:

SERVICE CALL

VERIFY STEERING ISSUE AND MOVE TRACTOR TO SHOP. LOWER FRONT SKID PLATE. DRAIN HYDRAULIC OIL INTO CLEAN BUCKET TO BE RE-USED LATER. REMOVE ALL BRACKETS AND LINES GOING TO HYDRAULIC TANK. REMOVE HYDRAULIC TANK. REMOVE LINES GOING TO STEERING CONTROL VALVE. REMOVE STEERING CONTROL VALVE. DISASSEMBLE STEERING VALVE ON TABLE. DETENT SPRING IS COMPRESSED. VALVE HAS INTERNAL WEAR. A USED STEERING VALVE WAS SUPPLIED. AS I WAS PREPARING TO SWAP HYDRAULIC FITTINGS I NOTICED HOW MUCH RUST AND WATER WAS IN THE PORTS. ALSO NOTICED THAT THIS VALVE DOES NOT TURN AT ALL. BEGIN DISASSEMBLY OF THE SECOND VALVE. THE VALVE HAS WATER AND RUST INSIDE. ALL OF THE PIECES ARE RUSTED TIGHT. SLIGHT TAPPING IS NEEDED TO REMOVE THE VALVE PIECES. A DECISION IS MADE TO TRY TO MAKE THE ORIGINAL VALVE WORK. A NEW SEAL KIT AND CENTERING SPRING KIT IS INSTALLED INTO ORIGINAL VALVE. THE VALVE IS ASSEMBLED AND BOLTS ARE TORQUED TO SPEC. AFTER ASSEMBLY THE VALVE DOES NOT TURN FREELY. DISASSEMBLE VALVE AGAIN. INSPECTED ALL PARTS AND RE-ASSEMBLED. VALVE TURNS FREELY AND IS READY FOR INSTALL. INSTALL STEERING VALVE AND CONNECT HOSES. INSTALL HYDRAULIC RESERVOIR AND CONNECT ALL LINES. FILL WITH HYDRAULIC OIL SAVED FROM EARLIER. START TRACTOR AND CHECK FOR LEAKS. TRACTOR STILL STARTS HARD BUT STEERING SEEMS BETTER THAN BEFORE. FINISH CONNECTING WIRES AND HOSES. INSTALL SKID PLATES BACK TO NORMAL. TAKE TRACTOR FOR TEST DRIVE. STEERING IS NOT PERFECT BUT MUCH BETTER THAN BEFORE. WASH FAN DRIVE AREA. FAN DRIVE LEAKED OIL ON FIRST START UP BUT HASN'T LEAKED SINCE. TOP OFF WITH HYDRAULIC OIL.

ADDED 12 QUARTS OF HYDRAULIC OIL.

PartNumber	Description	Quantity	List Price	Extended Price	Taxed Ind
AR69445	HYGARD SHOP OIL (QT)	12.00	4.75	\$57.00	Y
AT223440	Seal Kit	1.00	89.94	\$89.94	Y
RE69095	Valve Kit	1.00	65.21	\$65.21	Y
Miscellaneous	Description	Quantity	List Price	Extended Price	Taxed Ind
P3750	FREIGHT	1.00	200.00	\$200.00	Y
S3970	LABOR DISCOUNT	1.00	0.00	-\$700.00	N

Miscellaneous Charges:

Shop Supplies \$47.02

Enviromental Fee \$1.00

Labor: \$3,134.49 Parts: \$212.15 OL&M: \$0.00 Misc: -\$451.98 Sub-Total: \$2,894.66

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170
Fax: (320) 543-2482



**MIDWEST
MACHINERY CO**

www.mmcjd.com



JOHN DEERE

Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
JANET ARTMANN
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 10552205

Invoice Date 07/16/2025

Location: 02

Work Order Number: 1010727

Payment Type: Account

Page: 2 of 2

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 9630

8222

RW9630E003714

ASHWILL9630

Customer PO No:

Tax Exempt No:

Advisor: S221

Labor: \$3,134.49

Parts: \$212.15

OL&M: \$0.00

Misc: -\$451.98

Sales Tax: \$30.40

Total: \$2,925.06

TERMS AND CONDITIONS

Received by:

Date:

Midwest Machinery Co.
 5845 Keats Avenue S.W.
 Howard Lake, MN 55349
 Phone: (320) 543-2170
 Fax: (320) 543-2482



**MIDWEST
MACHINERY CO**

www.mmcjd.com



JOHN DEERE

Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
 JANET ARTMANN
 PO BOX 507
 COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 10274734
 Invoice Date: 10/29/2024
 Location: 02
 Work Order Number: 960688
 Payment Type: Account

Page: 1 of 3

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7927	RW9630E003714	ASHWILL9630	

Gen- Retail

COMPLAINT:

01 General Repairs

CAUSE:

CORRECTION:

TRACTOR CAME IN WITH A FAILED AXLE SEAL ON THE LEFT HAND SIDE. RAISE FRONT LEFT OF TRACTOR. REMOVE WHEEL WEIGHTS AND BOTH WHEELS. THE AXLE IMMEDIATELY HAD EXCESSIVE END PLAY INDICATING BEARING ISSUES. RAISE RIGHT HAND SIDE OF TRACTOR. REMOVE WEIGHTS AND BOTH WHEELS. REMOVE LOWER AXLE SUPPORTS. REMOVE SKID PLATE. DISCONNECT HOSES AND ELECTRICAL HARNESS FROM FRONT AXLE. REMOVE UPPER AXLE BOLTS AND LOWER AXLE OUT OF THE TRACTOR USING BRIDGE CRANE. SPLIT BOTH FINAL DRIVE HOUSINGS OFF OF THE DIFFERENTIAL HOUSING. DISASSEMBLE THE FINAL DRIVE GEARS IN BOTH HOUSINGS. USE PULLER AND 27 TON RAM TO PRESS AXLE SHAFT OUT OF HOUSING ON BOTH FINAL DRIVE HOUSINGS. CUT OUTER AXLE BEARING AND SPACER OFF OF EACH AXLE SHAFT. WELD AROUND INSIDE OF BEARING CUPS TO REMOVE TWO CUPS FROM EACH HOUSING. COOL NEW BEARING CUPS IN THE FREEZER AND INSTALL 2 NEW CUPS INTO EACH FINAL DRIVE HOUSING. HEAT BEARING CONES IN OIL TO INSTALL BEARINGS ONTO AXLE SHAFT. INSTALL FINAL DRIVE HOUSING ONTO AXLE SHAFT. HEAT INNER AXLE BEARING IN OIL TO INSTALL ONTO AXLE SHAFT. SET BEARING PRELOAD ON EACH FINAL DRIVE HOUSING ACCORDING TO SPECIFICATION. ASSEMBLE FINAL DRIVE GEARS IN EACH HOUSING. INSTALL EACH FINAL DRIVE HOUSING ONTO THE DIFFERENTIAL AND TORQUE BOLTS TO SPEC. LIFT AXLE INTO TRACTOR FRAME AND INSTALL UPPER MOUNTING BOLTS. TORQUE MOUNTING BOLTS TO 750 FT/LBS. INSTALL SKID PLATE. INSTALL LOWER AXLE SUPPORTS AND TORQUE BOLTS TO 750 FT/LBS. INSTALL WHEELS AND TORQUE TO SPEC. DRIVE TRACTOR TO CHECK FOR LEAKS. RE-TORQUE ALL WHEEL BOLTS TO 450 FT/LBS. INSTALL WHEEL WEIGHTS ON EACH SIDE. REMOVE ARMREST CONTROL. REMOVE SHIFT LEVER AND REPLACE WITH NEW. INSTALL ARMREST CONTROL. TOP OFF WITH HYDRAULIC OIL. WASH FAILURE AREA.

20 QUARTS OF HY-GARD

PartNumber	Description	Quantity	List Price	Extended Price	Taxed Ind
14M7277	NUT	3.00	4.09	\$12.27	Y
A11667	WASHER	1.00	3.80	\$3.80	Y
AR69445	HYGARD SHOP OIL (QT)	20.00	4.75	\$95.00	Y
DRC4601	Shop Towel Roll, 11 x 9.4-in. sheet size	1.00	3.50	\$3.50	Y
PM37465	RTV 587 BLUE 2.7 oz	1.00	9.85	\$9.85	Y
R168163	Bushing	2.00	138.88	\$277.76	Y
R207832	CAP SCREW	1.00	16.39	\$16.39	Y
R244602	O-RING	2.00	35.25	\$70.50	Y
R345693	Knob	1.00	21.59	\$21.59	Y
R59440	SHIM	2.00	5.93	\$11.86	Y
R63237	SHIM	2.00	16.64	\$33.28	Y
R72232	BALL	4.00	0.99	\$3.96	Y
RE191816	SEAL	2.00	292.75	\$585.50	Y

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170
Fax: (320) 543-2482



MIDWEST
MACHINERY CO

www.mmcjd.com



JOHN DEERE

Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
JANET ARTMANN
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 10274734
Invoice Date: 10/29/2024
Location: 02
Work Order Number: 960688
Payment Type: Account

Page: 2 of 3

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7927	RW9630E003714	ASHWILL9630	

RE258526	LEVER	1.00	141.31	\$141.31	Y
RE293316	TAPERED RO	2.00	360.62	\$721.24	Y
RE578425	BEARING CO	2.00	569.39	\$1,138.78	Y
T76938	O-RING	3.00	2.75	\$8.25	Y
T77857	O-RING	3.00	1.83	\$5.49	Y
T77858	O-RING	6.00	2.09	\$12.54	Y
TY26353	Penetrating Oil	1.00	9.40	\$9.40	Y

Miscellaneous Charges:

Shop Supplies	\$75.00
Enviromental Fee	\$25.00

Labor: \$7,579.50 Parts: \$3,182.27 OL&M: \$0.00 Misc: \$100.00 Sub-Total: \$10,861.77

/QUICKWASH Retail

COMPLAINT:

02 QUICK SPRAYING OFF OF ANY PIECE OF EQUIPMENT

Not for new JD equipment just unloaded. (use specific New Equipment Wash job code)

CAUSE:

CORRECTION:

QUICK SPRAYING OFF OF ANY PIECE OF EQUIPMENT

WASHED ALL OIL AND DEBRIS FROM MACHINE, HAD TO WASH OUT DIRT FROM UNDER SKID PLATE. CLEANED OIL FROM TIRES

Miscellaneous	Description	Quantity	List Price	Extended Price	Taxed Ind
S3818	CLEANING-POWER WASH	1.00	20.00	\$20.00	Y
Labor: \$553.60	Parts: \$0.00	OL&M: \$0.00	Misc: \$20.00	Sub-Total: \$573.60	

Customer PO No:
Tax Exempt No:
Advisor: S221

Labor: \$8,133.10
Parts: \$3,182.27
OL&M: \$0.00
Misc: \$120.00
Sales Tax: \$236.21
Total: \$11,671.58

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170
Fax: (320) 543-2482



**MIDWEST
MACHINERY CO**

www.mmcjd.com



JOHN DEERE

Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
JANET ARTMANN
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 10274734

Invoice Date: 10/29/2024

Location: 02

Work Order Number: 960688

Payment Type: Account

Page: 3 of 3

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 9630

7927

RW9630E003714

ASHWILL9630

TERMS AND CONDITIONS

Received by:

Date:

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170
Fax: (320) 543-2482



**MIDWEST
MACHINERY CO**

www.mmcjd.com



JOHN DEERE

Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
JANET ARTMANN
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 10189385
Invoice Date: 08/30/2024
Location: 02
Work Order Number: 940679
Payment Type: Account

Page: 1 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7464	RW9630E003714	ASHWILL9630	

Gen- Retail

COMPLAINT:

01 General Repairs

CAUSE:

CORRECTION:

SERVICE CALL

CUSTOMER COMPLAINT OF OIL LEAK AT FRONT OF ENGINE

REMOVED ENGINE SIDE PANELS

OIL HAD SPRAYED ALL OVER FRONT OF ENGINE - COULD NOT FIND SOURCE OF LEAK

CLEANED OFF FRONT TIMING COVER

REMOVED ENGINE FAN

RAN ENGINE AND CHECKED FOR LEAKS - FOUND NONE

CONNECTED HYDRAULIC HAND PUMP TO FAN DRIVE TO SPEED UP FAN SPEED AND INCREASE PRESSURE ON FAN DRIVES

RAN MACHINE AND SPED UP FAN SPEED

CHECKED FOR ANY LEAKS FROM FAN DRIVE - FOUND NONE

INSTALLED FAN

BACKED TRACTOR UP HILL AND CHECKED IF OIL WOULD LEAK WHILE AT ANGLE - NO LEAK

HAD OPERATOR RUN TRACTOR NORMALLY WHILE INSPECTING ENGINE WHILE FILLING SCRAPER

ENGINE NEVER LEAKED WHILE ON CALL

INFORMED OPERATOR WHERE TO LOOK ON ENGINE FOR LEAKS

<u>PartNumber</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
TY26101	Brake & Parts Cleaner	4.00	8.88	\$35.52	Y

Miscellaneous Charges:

Shop Supplies	\$11.16
Enviromental Fee	\$1.00

Labor: \$744.00 Parts: \$35.52 OL&M: \$0.00 Misc: \$12.16 Sub-Total: \$791.68

Customer PO No:
Tax Exempt No:
Advisor: S221

Labor: \$744.00
Parts: \$35.52
OL&M: \$0.00
Misc: \$12.16
Sales Tax: \$2.62

Total: \$794.30

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170
Fax: (320) 543-2482



**MIDWEST
MACHINERY CO**

www.mmcjd.com



JOHN DEERE

Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
JANET ARTMANN
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 10189385

Invoice Date 08/30/2024

Location: 02

Work Order Number: 940679

Payment Type: Account

Page: 2 of 2

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 9630

7464

RW9630E003714

ASHWILL9630

TERMS AND CONDITIONS

Received by:

Date:

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY LINDA PO BOX 507 COKATO MN 55321 Phone Number: (612)247-5690			Invoice Number: 9933503 Invoice Date 02/27/2024 Location: 02 Work Order Number: 895936 Payment Type: Account Page: 1 of 5	
Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7530	RW9630E003714	ASHWILL9630	

/SERVICECALL Retail

COMPLAINT:

ENGINE FAN DRIVE

CAUSE:

CORRECTION:

SERVICE CALL

ENGINE FAN DRIVE HAD COME OFF OF TIMING COVER SENDING COOLING FAN INTO RADIATOR
WENT OUT TO SITE AND INSPECTED DAMAGE
RADIATOR WAS NOT REPAIRABLE, WOULD NEED NEW CAMSHAFT ACCESS PANEL, AND FAN DRIVE

SHOP

REMOVED ENGINE HOOD
REMOVED FAN DRIVE AND FAN
REMOVED CAMSHAFT ACCESS PANEL
REMOVED INTERCOOLER
REMOVED RADIATOR AND FAN SHROUDS
INSTALLED NEW CAMSHAFT ACCESS PANEL USING NEW GASKET
INSTALLED NEW FAN DRIVE
INSTALLED NEW FAN SPEED SENSOR
INSTALLED NEW RADIATOR
INSTALLED NEW FAN SHROUDS
INSTALLED NEW COOLING FAN
INSTALLED NEW FAN DRIVE BELT
COOLANT SURGE TANK WAS CRACKED AND LEAKING
INSTALLED NEW SURGE TANK
FILLED COOLING SYSTEM WITH NEW COOLANT - USED 57 QTS COOLANT
INSTALLED ENGINE HOOD
CHANGED ENGINE OIL AND FILTER - USED 64 QTS 15-40
REPLACED FUEL FILTERS
REPLACED ENGINE AIR FILTERS
REPLACED HYDRAULIC FILTER
REPLACED TRANSMISSION FILTERS
REPLACED CAB AIR FILTERS

REPLACED ENGINE DRAIN VALVE, LEAKING

PartNumber	Description	Quantity	List Price	Extended Price	Taxed Ind
19M7865	SCREW	4.00	1.28	\$5.12	Y
19M7867	SCREW	6.00	1.39	\$8.34	Y
19M7868	SCREW	6.00	1.51	\$9.06	Y
AT101565	AIR FILTER	2.00	5.97	\$11.94	Y
AT13740	DRAIN VALV	1.00	4.55	\$4.55	Y
AT322214	Filler Cap	1.00	18.29	\$18.29	Y

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY		Invoice Number:	9933503
LINDA		Invoice Date:	02/27/2024
PO BOX 507		Location:	02
COKATO MN 55321		Work Order Number:	895936
		Payment Type:	Account
Phone Number: (612)247-5690		Page:	2 of 5

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7530	RW9630E003714	ASHWILL9630	

AT326151	Tank	1.00	320.66	\$320.66	Y
R237815	VENT	1.00	37.73	\$37.73	Y
R239551	V-BELT	1.00	127.41	\$127.41	Y
R241746	V-BELT	1.00	32.03	\$32.03	Y
R264946	COVER	1.00	27.03	\$27.03	Y
R270633	COVER	1.00	133.62	\$133.62	Y
R522023	GASKET	1.00	36.98	\$36.98	Y
R522740	COVER	1.00	1,056.06	\$1,056.06	Y
R524335	V-RING SEA	1.00	58.68	\$58.68	Y
R55326	RIVET	1.00	0.98	\$0.98	Y
R86105	V-Ring Seal	1.00	58.45	\$58.45	Y
RE174130	OIL FILTER	2.00	134.12	\$268.24	Y
RE187966	AIR FILTER	1.00	37.41	\$37.41	Y
RE230985	FILTER	1.00	97.53	\$97.53	Y
RE24390	Ball Bearing	1.00	159.77	\$159.77	Y
RE24619	AIR FILTER	1.00	49.44	\$49.44	Y
RE261960	FILTER	1.00	275.89	\$275.89	Y
RE265723	Deflector	1.00	453.80	\$453.80	Y
RE26738	Seal	2.00	39.79	\$79.58	Y
RE274814	FAN	1.00	1,168.85	\$1,168.85	Y
RE281949	SHROUD	1.00	1,054.91	\$1,054.91	Y
RE49778	BULB	4.00	1.66	\$6.64	Y
RE519144	SENSOR	1.00	45.55	\$45.55	Y
RE572785	OIL FILTER	1.00	81.59	\$81.59	Y
RE581666	Radiator	1.00	5,622.44	\$5,622.44	Y
RE588804	Fan Drive	1.00	1,706.87	\$1,706.87	Y
T175002	HYDRAULIC	1.00	79.61	\$79.61	Y
TY25624	GREEN SPRAY PAINT-AG/TURF	1.00	14.97	\$14.97	Y
TY26577	PREMIX ANTI-FREEZE SHOP (QT)	57.00	3.93	\$224.01	Y
TY26678	15W40+50II SHOP OIL (QT)	64.00	5.42	\$346.88	Y
U15409	Snap Ring	2.00	19.27	\$38.54	Y
YZ502378	OIL FILTER	1.00	112.76	\$112.76	Y
ZEP	ZEP BRAKE CLEANER	6.00	3.10	\$18.60	Y
<u>Miscellaneous</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
P3750	FREIGHT	1.00	116.25	\$116.25	Y
S3773	FILTER DISPOSAL - 2.50	3.00	2.50	\$7.50	Y

Labor: \$4,572.50 Parts: \$13,890.81 OL&M: \$0.00 Misc: \$123.75 Sub-Total: \$18,587.06

Gen-3 Retail

COMPLAINT:

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
LINDA
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 9933503
Invoice Date: 02/27/2024
Location: 02
Work Order Number: 895936
Payment Type: Account

Page: 3 of 5

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7530	RW9630E003714	ASHWILL9630	

HARNESS REPLACEMENT

CAUSE:

CORRECTION:

TRACTOR HAD WIRING ISSUES AND CUSTOMER WANTED WIRING HARNESS REPLACED
TRACTOR CAB WOULD NEED TO BE REMOVED

RECOVERED AC FREON FROM AC SYSTEM - RECOVERED 3.4 LBS R134
DRAINED HYDRAULIC FLUID FROM RESERVOIR
DISCONNECTED LINES TO RESERVOIR
REMOVED HYDRAULIC RESERVOIR
DISCONNECTED STEERING VALVE AND BRAKE VALVE FROM CAB
DISCONNECTED ELECTRICAL CONNECTIONS FROM CAB
REMOVED PANEL FROM RIGHT SIDE OF CAB TO REMOVE CAB AIR CLEANER PRECLEANER HOSE
DISCONNECTED HYDRAULIC LINE TO SEAT
REMOVED TRACTOR CAB

REMOVED TRACTOR CHASSIS HARNESS FROM MACHINE
INSTALLED NEW WIRING HARNESS
MAIN CAB FUSE WAS DAMAGED WHEN REMOVING BATTERY CABLE - INSTALLED NEW FUSE HOLDER AND FUSE
INSTALLED NEW STARTER RELAY COVER
REPLACED TWO LEAKING HYDRAULIC HOSES WHILE CAB WAS REMOVED
INSTALLED TRACTOR CAB USING NEW CAB MOUNTS
CAB MOUNTS WERE STARTING TO FALL APART. MOUNTS WERE STUCK IN BORE HAD TO GRIND OUT FROM BORE
RECONNECTED ALL ELECTRICAL CONNECTIONS AND HYDRAULIC LINES
INSTALLED STEERING VALVE AND BRAKE VALVE
INSTALLED HYDRAULIC TANK RESERVOIR
FILLED HYDRAULIC TANK WITH ORIGINAL FLUID

TWO BATTERIES TESTED BAD - REPLACED ALL THREE BATTERIES
REPLACED ENGINE MOUNTS
ENGINE MOUNTS WERE EXTREMELY WORN AND WEATHER CHECKED, NEEDED TO REPLACE TO PREVENT FUTURE DAMAGE
TO HARNESS FROM ENGINE MOVEMENT.
INSTALLED NEW TAIL LIGHT BULBS

GUDGEON BEARING WERE LOOSE
REMOVED DRIVE SHAFT FROM TRANSMISSION TO GUDGEON
CLEANED REMOVED GUDGEON DRIVE SHAFT YOKE
TRIED TIGHTENING GUDGEON BEARING NUT - NOTICED THAT THE GREASE SEAL WAS PUSHED OUT
REMOVED GUDGEON BEARING NUT - FOUND THAT THE DRIVE SHAFT BEARING CAGE HAD FALLEN APART
REMOVED DRIVE SHAFT BEARING FROM GUDGEON
CLEANED ALL PARTS
INSTALLED NEW DRIVESHAFT BEARING AND SEALS
INSTALLED GUDGEON BEARING NUT AND TIGHTENED
INSTALLED DRIVESHAFT

TEST DROVE TRACTOR - TRACTOR DID NOT SET ANY CODES - ALL FUNCTIONS SEEMED TO WORK CORRECTLY
TOPPED OFF HYDRAULIC FLUID - USED 16 QTS HY GARD

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY LINDA PO BOX 507 COKATO MN 55321 Phone Number: (612)247-5690			Invoice Number: 9933503 Invoice Date 02/27/2024 Location: 02 Work Order Number: 895936 Payment Type: Account Page: 4 of 5	
Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7530	RW9630E003714	ASHWILL9630	

PULLED VACUUM ON AC SYSTEM
CHARGED AC SYSTEM WITH FREON - FILLED TO 4 LBS

<u>PartNumber</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
57M10336	Elec. Connector Cavity Plug	6.00	0.49	\$2.94	Y
57M7263	Elec. Connector Housing	1.00	4.00	\$4.00	Y
57M7291	Electrical Connector Assy	1.00	0.75	\$0.75	Y
57M7493	ELEC. CONNECTOR SEAL	6.00	0.28	\$1.68	Y
57M8964	FUSE	1.00	11.40	\$11.40	Y
A-JT6HTLC	Grease	1.00	8.19	\$8.19	Y
AR69445	HYGARD SHOP OIL (QT)	14.00	4.75	\$66.50	Y
R10093	O-RING	1.00	1.60	\$1.60	Y
R128779	Washer	4.00	0.85	\$3.40	Y
R135274	SLEEVE	2.00	33.30	\$66.60	Y
R258959	SPACER	2.00	30.00	\$60.00	Y
R44302	TIE BAND	20.00	0.40	\$8.00	Y
R52006	WASHER	1.00	2.84	\$2.84	Y
R87656	WASHER	4.00	13.36	\$53.44	Y
RE227784	Chassis Wiring Harness	1.00	5,809.24	\$5,809.24	Y
RE239622	JUNCTION B	1.00	43.31	\$43.31	Y
RE248206	Hydraulic Hose	1.00	104.70	\$104.70	Y
RE255157	Hydraulic Hose	1.00	78.84	\$78.84	Y
RE319349	Wiring Harness	1.00	41.26	\$41.26	Y
RE534749	WIRING HAR	1.00	238.37	\$238.37	Y
RE62901	ISOLATOR	4.00	58.16	\$232.64	Y
RE62910	ISOLATOR	4.00	94.05	\$376.20	Y
RE71256	SCREW WITH	1.00	1.85	\$1.85	Y
T129538	ISOLATOR	4.00	139.23	\$556.92	Y
T143169	O-RING	1.00	1.85	\$1.85	Y
TY15951	R134A FREON SHOP (OZ)	6.00	1.15	\$6.90	Y
TY25879B	BATT/12V 925CCA WET	3.00	216.84	\$585.48	Y
<u>Miscellaneous</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
P3750	FREIGHT	1.00	63.00	\$63.00	Y
S3970F	FIELD TEAM LABOR CREDIT	1.00	0.00	-\$350.00	N

Miscellaneous Charges:

Shop Supplies	\$75.00
Enviromental Fee	\$25.00

Labor: \$8,850.50 Parts: \$8,368.90 OL&M: \$0.00 Misc: -\$187.00 Sub-Total: \$17,032.40

/HAULINGEQUIPMENT Retail

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
LINDA
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 9933503
Invoice Date: 02/27/2024
Location: 02
Work Order Number: 895936
Payment Type: Account

Page: 5 of 5

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7530	RW9630E003714	ASHWILL9630	

COMPLAINT:

02 HAULING

CORRECTION:

LOAD # 28487- HAULED FROM CUSTOMER TO HOWARD LAKE - 12/14

Miscellaneous	Description	Quantity	List Price	Extended Price	Taxed Ind
SEMI-BEN	SEMI HAULING-BENSON	1.00	175.00	\$175.00	N
Comment: LOAD # 28487- HAULED FROM CUSTOMER TO HOWARD LAKE - 12/14					

Labor: \$0.00	Parts: \$0.00	OL&M: \$0.00	Misc: \$175.00	Sub-Total: \$175.00
---------------	---------------	--------------	----------------	---------------------

Customer PO No:
Tax Exempt No:
Advisor: S221

Labor:	\$13,423.00
Parts:	\$22,259.71
OL&M:	\$0.00
Misc:	\$111.75
Sales Tax:	\$1,655.41
Total:	\$37,449.87

TERMS AND CONDITIONS

Received by:

Date:

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY LINDA PO BOX 507 COKATO MN 55321 Phone Number: (612)247-5690			Invoice Number: 9868832 Invoice Date 11/28/2023 Location: 02 Work Order Number: 892646 Payment Type: Account Page: 1 of 2	
Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7520	RW9630E003714	ASHWILL9630	

/SERVICECALL Retail

COMPLAINT:

01 SERVICE CALL - Engine pulled down and died. Won't fire when cranking.

CORRECTION:

SERVICE CALL 1

COMPLAINT OF TRACTOR RUNNING OUT OF POWER AND DYING
 WAS BELIEVED TO BE A FUEL PUMP ISSUE
 RAN TRACTOR WHILE MONITORING FUEL PRESSURES - CHECKED OK
 CODE 157.18 HAD BEEN STORED - HIGH PRESSURE FUEL SIGNAL MODERATELY LOW
 WOULD INSTALL NEW LOW PRESSURE FUEL PUMP

REMOVED ALTERNATOR
 REMOVED LOW PRESSURE FUEL PUMP
 DID FIND DEBRIS CAUGHT IN PUMP INLET
 INSTALLED NEW FUEL PUMP
 INSTALLED ALTERNATOR
 RAN MACHINE WHILE MONITORING FUEL PRESSURE - PRESSURES WERE CORRECT

SERVICE CALL 2

MACHINE DIED AND WOULD NOT RESTART
 CHECKED LOW PRESSURE FUEL SYSTEM - HAD NO LOW PRESSURE FUEL
 LOW PRESSURE FUEL PUMP WAS NOT RUNNING
 CHECKED FOR POWER AND GROUND TO LOW PRESSURE FUEL PUMP - HAD POWER AND GROUND
 CHECKED FOR SIGNAL POWER - HAD NONE
 CHECKED WIRE FROM ECU TO LOW PRESSURE FUEL PUMP - WIRE WAS BROKEN
 FUEL PUMP SIGNAL WIRE WAS BROKEN SOMEWHERE UNDER THE HYDRAULIC RESERVOIR - WHEN PULLING ON HARNESS
 CONTINUITY IN WIRE WOULD COME AND GO
 RAN NEW WIRE FROM ECU TO FUEL PUMP - USE 120 INCHES OF TY27424 WIRE
 TESTED FUEL PUMP - PUMP WOULD STILL NOT RUN
 DIAGNOSTICS LED TO ECU PROBLEM
 RETURNED TO SHOP AND TOOK ECU FROM ANOTHER MACHINE
 RETURNED TO MACHINE AND INSTALLED ECU
 TRACTOR THEN STARTED AND RAN
 WOULD NEED NEW ECU

SERVICE CALL 3

REMOVED ECU AND INSTALLED NEW
 INSTALLED ECU SOFTWARE
 TRACTOR STARTED AND RAN CORRECTLY

<u>PartNumber</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
DZ112918	FILTER ELEment	1.00	127.09	\$127.09	Y
RE539465	FILTER ELE	1.00	101.12	\$101.12	Y
RE539767	Fuel Pump	1.00	1,450.67	\$1,450.67	N
SE502948	Engine Controller Reman	1.00	2,402.49	\$2,402.49	Y

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
 5845 Keats Avenue S.W.
 Howard Lake, MN 55349
 Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
 LINDA
 PO BOX 507
 COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 9868832
 Invoice Date: 11/28/2023
 Location: 02
 Work Order Number: 892646
 Payment Type: Account

Page: 2 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7520	RW9630E003714	ASHWILL9630	

SE502948-CR	CORE for:Engine Controller Reman	-1.00	300.00	-\$300.00	Y
<u>Miscellaneous</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
P3750	FREIGHT	1.00	67.50	\$67.50	Y

Miscellaneous Charges:

Shop Supplies	\$39.43
Enviromental Fee	\$25.00

Labor: \$2,628.45 Parts: \$3,781.37 OL&M: \$0.00 Misc: \$131.93 Sub-Total: \$6,541.75

Customer PO No:
 Tax Exempt No:
 Advisor:

S72

Labor: \$2,628.45
 Parts: \$3,781.37
 OL&M: \$0.00
 Misc: \$131.93
 Sales Tax: \$176.87

 Total: \$6,718.62

TERMS AND CONDITIONS

Received by:

Date:

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY LINDA PO BOX 507 COKATO MN 55321 Phone Number: (612)247-5690			Invoice Number: 9457635 Invoice Date 12/30/2022 Location: 02 Work Order Number: 816416 Payment Type: Account Page: 1 of 2	
Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7425	RW9630E003714	ASHWILL9630	

Gen- Retail

COMPLAINT:

DIAGNOSE HYDRAULIC ISSUE ON NUMBER 2 REMOTE

CAUSE:

CORRECTION:

NUMBER TWO SCV WAS NOT WORKING
SCV SOLENOIDS WERE WORKING BUT HAD NOT HYDRAULIC FLOW
WASHED SCV STACK
REMOVED SCV SPOOL END CAPS
TRIED MOVING SPOOL - SPOOL WAS TIGHT - WOULD NEED TO REMOVE SCV STACK
DISCONNECTED SCV HYDRAULIC LINES AND WIRING CONNECTORS
REMOVED SCV STACK
DISASSEMBLED SCV STACK TO ACCESS NUMBER TWO VALVE
FOUND PIECE OF METAL IN VALVE PORT
TAPPED OUT SPOOL
CLEANED SPOOL BORE AND SPOOL VALVE
SPOOL THEN MOVED FREELY
CLEANED MOUNTING SURFACES OF ALL SCV VALVE BLOCKS
REASSEMBLED VALVE STACK WITH NEW SEALS
INSTALLED VALVE STACK TO TRACTOR USING HOIST
CONNECTED HYDRAULIC LINES
TESTED OPERATION - ALL SCV VALVES WORKED CORRECTLY

TRACTOR WAS SETTING TRANSMISSION PRESSURE CODES
ADDED 30 QTS HYDRAULIC FLUID
RAN TRACTOR - HAD CODE FOR AXLE LUBE SOLENOID

<u>PartNumber</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
07480	SCOTCH	3.00	4.50	\$13.50	Y
AR69445	HYGARD SHOP OIL (QT)	30.00	5.40	\$162.00	Y
RE213945	Seal Kit	7.00	117.03	\$819.21	Y
ZEP	ZEP BRAKE CLEANER	6.00	3.10	\$18.60	Y
<u>Miscellaneous</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
S3970F	FIELD TEAM LABOR CREDIT	1.00	0.00	-\$350.00	N

Miscellaneous Charges:

Shop Supplies	\$49.81
Enviromental Fee	\$6.63

Labor: \$3,320.73	Parts: \$1,013.31	OL&M: \$0.00	Misc: -\$293.56	Sub-Total: \$4,040.48
-------------------	-------------------	--------------	-----------------	-----------------------

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
LINDA
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 9457635
Invoice Date: 12/30/2022
Location: 02
Work Order Number: 816416
Payment Type: Account

Page: 2 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7425	RW9630E003714	ASHWILL9630	

Customer PO No:
Tax Exempt No:
Advisor: S221

Labor:	\$3,320.73
Parts:	\$1,013.31
OL&M:	\$0.00
Misc:	-\$293.56
Sales Tax:	\$74.74
Total:	\$4,115.22

TERMS AND CONDITIONS

Received by:

Date:

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY LINDA PO BOX 507 COKATO MN 55321 Phone Number: (612)247-5690			Invoice Number: 9422401 Invoice Date 11/23/2022 Location: 02 Work Order Number: 796491 Payment Type: Account Page: 1 of 2	
Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7425	RW9630E003714	ASHWILL9630	

/SERVICECALL Retail

COMPLAINT:

01 SERVICE CALL -- FAN DRIVE LEAKING FROM BREATHER HOSE LOST NUMBER TWO AND NUMBER FIVE HYDRAULICS

CAUSE:

CORRECTION:

SERVICE CALL 1
ENGINE FAN DRIVE WAS LEAKING HYDRAULIC FLUID FROM ROTARY UNION DRAIN
REMOVED HYDRAULIC LINE TO ROTARY UNION
REMOVED ROTARY UNION ASSEMBLY
INSTALLED NEW UNION ASSEMBLY KIT
RAN ENGINE AND CHECKED FOR LEAK - LOOKED OK

TRACTOR SCVS WERE GIVING TROUBLE
NUMBER 2 WOULD NOT WORK AT ALL AND WOULD NOT TRIP TROUBLE CODE
NUMBER FIVE DID NOT WORK ONE WAY
TRIED SWAPPING CONNECTORS WITH FOUR AND FIVE SCVS
SCV THEN WORKED
SWAPPED BACK NUMBER FIVE SCV THEN WORKED CORRECTLY
WIRING HARNESS FOR SCVS WAS MISSING COATINGS
HARNESS WOULD NEED TO BE REPLACED TO PROPERLY DIAGNOSIS SCV ISSUES

SERVICE CALL 2
REMOVED ORIGINAL SCV WIRING HARNESS AND INSTALLED NEW
TESTED OPERATION
NUMBER TWO SCV STILL DID NOT WORK
NUMBER ONE SCV WOULD ONLY WORK ONE WAY AND SET LOW RESISTANCE CODE
INSTALLED NEW SCV SOLENOID AND TESTED - NUMBER ONE SCV THEN WORKED CORRECTLY
SWAPPED WIRING FROM NUMBER ONE SCV TO NUMBER TWO SOLENOID
NUMBER TWO SCV STILL WOULD NOT WORK
SWAPPED ONE WORKING SOLENOID TO NUMBER TWO SCV AND TESTED - STILL WOULD NOT WORK
ISSUE WITH NUMBER TWO SCV MAY BE INTERNAL - WOULD NEED TO REMOVE SCV AND INSPECT
ALL OTHER SCVS WORKED CORRECTLY

<u>PartNumber</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
RE255109	Solenoid Valve	1.00	441.77	\$441.77	Y
RE281286	Chassis Wiring Harness	1.00	349.21	\$349.21	Y
RE592556	FAN KIT	1.00	359.69	\$359.69	Y

Miscellaneous Charges:

Shop Supplies	\$18.27
Enviromental Fee	\$11.51

Labor: \$1,218.00	Parts: \$1,150.67	OL&M: \$0.00	Misc: \$29.78	Sub-Total: \$2,398.45
-------------------	-------------------	--------------	---------------	-----------------------

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL COMPANY
LINDA
PO BOX 507
COKATO MN 55321

Phone Number: (612)247-5690

Invoice Number: 9422401
Invoice Date: 11/23/2022
Location: 02
Work Order Number: 796491
Payment Type: Account

Page: 2 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	7425	RW9630E003714	ASHWILL9630	

Customer PO No:
Tax Exempt No:
Advisor: S221

Labor:	\$1,218.00
Parts:	\$1,150.67
OL&M:	\$0.00
Misc:	\$29.78
Sales Tax:	\$84.87
Total:	\$2,483.32

TERMS AND CONDITIONS

Received by:

Date:

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL EXCAVATING
KYLE ASHWILL
PO BOX 664
COKATO MN 55321

Phone Number: 612-247-5690

Invoice Number: 2294266
Invoice Date: 11/24/2020
Location: 02
Work Order Number: 391207
Payment Type: Account

Page: 1 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	6295	RW9630E003714	ASHWILL9630	

Gen- Retail

COMPLAINT:

AXLE HAS LOTS OF IRON IN THE FILTER. REBUILD BOTH SIDE OF BAD AXLE. RIGHT REAR AXLE IS CRACKED

CAUSE:

CORRECTION:

DRAINED FRONT AXLE HOUSING AND CHECKED FOR DEBRIS. FOUND SOME FINE METAL SHAVINGS BUT NOTHING THAT WOULD MAKE ME SUSPICIOUS OF A MAJOR FAILURE. WENT TO REMOVE THE DRAW BAR TO DRAIN THE REAR AXLE CASE OIL AND FOUND THAT PIN IS SEIZED IN THE DRAWBAR. HEATED WITH TORCH AND STILL WILL NOT MOVE. CUT OUT SPACERS AND CUT OUT PIN WITH TORCH TO REMOVED FROM TRACTOR. WITH DRAW BAR REMOVED DRAINED REAR CASE OIL, DID NOT FIND ANY LARGE DEBRIS EITHER. DRAINED TRANSMISSION CASE AND REMOVED SUMP SCREEN. DID NOT FIND ANY METAL IN CASE OR SCREEN. NOTICED THAT ONLY TEN GALLONS OF OIL CAME OUT OF SYSTEM. SYSTEM IS SUPPOSE TO HOLD 23 GALLONS. BEING THIS LOW ON FLUID DECIDED TO FILL BACK UP WITH CORRECT AMOUNT OF FLUID AND CHECK OUT SYSTEM PRESSURES. FOUND THAT PRESSURES ARE IN SPEC BUT THE PUMP IS VERY NOISEY AND PRESSURES FLUTTER ON GAUGES. RECOMMEND REPLACING PUMP AT THIS TIME AND RE- TESTING. REMOVED AND REPLACED PUMP WITH NEW, PRESSURES ARE IN SPEC AND ARE CONSTANT. THE ISSUE OF METAL IN THE SYSTEM SHOULD BE RE-ADDRESSED WHEN TRACTOR COMES BACK IN FOR REAR AXLE HOUSING REPAIR. ADDED 55 QUARTS OF HYGARD HYDRAULIC OIL TO UNIT. TOOK THE DRAW BAR OVER TO PRESS HAD A HARD TIME PRESSING PIN OUT OF THE DRAW BAR. RE INSTALLED DRAWBAR INTO MACHINE. THE ORIGINAL PIN INSTALLED DID NOT HAVE ANY OF THE HOLD DOWN HARDWARE SPRINGS OR BUSHINGS. INSTALLED THESE PARTS AS WELL. OTHER WISE THE PIN COULD FALL OUT.

PartNumber	Description	Quantity	List Price	Extended Price	Taxed Ind
19M7892	CAP SCREW	1.00	7.04	\$7.04	Y
24M7242	WASHER	1.00	2.42	\$2.42	Y
24M7277	WASHER	1.00	4.85	\$4.85	Y
AR69445	303 HYGARD	55.00	3.02	\$166.10	Y
F304R	SPRING	1.00	7.11	\$7.11	Y
F37010042	O-RING	1.00	3.04	\$3.04	Y
N262047	BUSHING	1.00	45.69	\$45.69	Y
R168163	Bushing	1.00	103.71	\$103.71	Y
R228830	Plate	1.00	75.10	\$75.10	Y
R262591	Spacer	1.00	53.02	\$53.02	Y
R59439	SHIM	2.00	2.97	\$5.94	Y
R71637	Retainer	1.00	100.18	\$100.18	Y
RE244000	Pin	1.00	100.55	\$100.55	Y
YZ502246	Hydraulic Pump	1.00	1,580.55	\$1,580.55	Y
ZEP	ZEP BRAKE CLEANER	3.00	3.10	\$9.30	Y
Miscellaneous	Description	Quantity	List Price	Extended Price	Taxed Ind
P3750	FREIGHT	1.00	30.00	\$30.00	Y

Miscellaneous Charges:

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL EXCAVATING
KYLE ASHWILL
PO BOX 664
COKATO MN 55321

Phone Number: 612-247-5690

Invoice Number: 2294266
Invoice Date: 11/24/2020
Location: 02
Work Order Number: 391207
Payment Type: Account

Page: 2 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	6295	RW9630E003714	ASHWILL9630	

Shop Supplies	\$25.82
Environmental Fee	\$22.95

Labor: \$1,721.60	Parts: \$2,264.60	OL&M: \$0.00	Misc: \$78.77	Sub-Total: \$4,064.97
-------------------	-------------------	--------------	---------------	-----------------------

Customer PO No:
Tax Exempt No:
Advisor: S116

Labor:	\$1,721.60
Parts:	\$2,264.60
OL&M:	\$0.00
Misc:	\$78.77
Sales Tax:	\$169.27
Total:	\$4,234.24

TERMS AND CONDITIONS

Received by:

Date:

Midwest Machinery Co.
 5845 Keats Avenue S.W.
 Howard Lake, MN 55349
 Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL EXCAVATING
 KYLE ASHWILL
 PO BOX 664
 COKATO MN 55321

Phone Number: 612-247-5690

Invoice Number: 1702565
 Invoice Date: 06/27/2018
 Location: 02
 Work Order Number: 285864
 Payment Type: Account

Page: 1 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	5672		ASHWILL9630	

/SERVICECALL Retail

COMPLAINT:

01 SERVICE CALL -- TRACTOR IS SETTING CODES PTP 524258.02 AND 524016.05 AND WILL NOT MOVE.

CAUSE:

SHORTED OUT WIRE GOING TO THE HYDRAULIC LEVEL SENSOR.

CORRECTION:

SERVICE CALL. WENT OUT AND PULLED CODES. ALL CODES POINTED TOWARDS THE CAB CONTROLLER MISSING. CONNECTED THE LAPTOP AND FOUND THE CAB CONTROLLER WAS NOT COMING ONLINE. CHECKED FUSES, THEY WERE GOOD. REMOVED PANEL ON THE BACK OF THE CAB. BEGAN DOING POWER AND GROUND TEST ON THE CAB CONTROLLER. TESTS DETERMINED THAT I WAS LOOSING THE POWER TO WAKE THE CONTROLLER UP DUE TO A SHORT IN THE WAKE UP CIRCUIT. THE CLC CONTROLLER HAD A CODE FOR HIGH CURRENT DRAW. WENT THROUGH THE TESTS FOR THAT CODE AND FOUND THAT IT ALSO POINTED TO A SHORT IN THE WAKE UP CIRCUIT. THE NEXT STEP WAS TO DISCONNECT EVERYTHING ON THE WAKE UP CIRCUIT ONE AT A TIME TO DETERMINE WHERE THE SHORT WAS COMING FROM. AT THIS TIME IT WAS AFTER 5 PM. DECIDED TO COME BACK FIRST THING THE NEXT MORNING AND PROCEED.

DID A COUPLE CHECKS TO DOUBLE CHECK THAT THE SHORT WAS INDEED IN THE WAKE UP CIRCUIT OUTSIDE THE CAB. BEGAN DISCONNECTING SENSORS AND COMPONENTS ON THE WAKE UP CIRCUIT UNTIL THE SHORT WENT AWAY. HAD TO CRAWL UNDER AND LOWER THE SKID PLATE TO DISCONNECT AXLE LUBE SENSOR. REMOVED PIN AND DROPPED PLATE DOWN. SHORT WAS STILL IN THE HARNESS, BEGAN TRACING THE HARNESSES STARTING AT THE CONTROLLER AND WORKING TO THE FRONT OF THE CAB UNTIL FOUND A SECTION THAT HAD BEEN TAPPED UP BEHIND THE ENGINE. FOUND TWO WIRES WERE RUBBED THROUGH AND THE HARNESS WAS MISSING THE PROTECTIVE LOOM. REMOVED THE TAPE AND REPAIRED BOTH WIRES. CHECKED FOR THE SHORT AGAIN AND IT WAS GONE. RE-CONNECTED THE HARNESSES AND STARTED THE MACHINE. NO CODES CAME UP AND EVERYTHING WAS WORKING AS IT SHOULD. PUT NEW LOOM OVER THE HARNESS BEHIND THE ENGINE AND MADE SURE ALL THE CONNECTORS WERE RECONNECTED. PUT PANEL BACK ON THE BACK OF THE CAB. PUT THE FUSE PANEL COVER BACK IN PLACE. SCRAPPED ALL THE DIRT OFF THE SKID PLATE AND USED A BOTTLE JACK TO RAISE IT BACK UP IN PLACE. PUT PIN IN PLACE. RAN MACHINE AND DROVE OVER BY THE DOZER. CLEARED CODES AND NONE RETURNED. PICKED UP TOOLS AND RETURNED TO THE SHOP.

Wednesday, June 13, 2018 8:46 AM -

ERIC B- WENT OUT ON SERVICE CALL AND HELPED TRACE WIRES. FOUND A SPOT BY THE FLYWHEEL COVER THAT WAS TAPED UP AND HAD RUBBED THROUGH TWO WIRES. ONE OF THE WIRES WAS THE WAKE UP CIRCUIT POWER WIRE. REPAIRED BOTH WIRES AND INSTALLED WIRING LOOMING OVER THAT PART OF THE HARNESS AND REINSTALLED A HARNESS CLAMP THAT WAS NOT CONNECTED TO HOLD THE HARNESS OFF THE FLYWHEEL SHIELD. HELPED REASSEMBLE THE SHIELDS AND COVERS THAT WERE REMOVED WHEN TRACING WIRES.

PartNumber	Description	Quantity	List Price	Extended Price	Taxed Ind
TY27131	TUBE	1.00	18.60	\$18.60	Y
Miscellaneous	Description	Quantity	List Price	Extended Price	Taxed Ind
S3970	LABOR DISCOUNT	1.00	0.00	-\$132.23	N

Comment: 7% CASH DISCOUNT

Miscellaneous Charges:

Shop Supplies

\$28.34

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
5845 Keats Avenue S.W.
Howard Lake, MN 55349
Phone: (320) 543-2170



Invoice To Account No: 90066216

SERVICE INVOICE

ASHWILL EXCAVATING
KYLE ASHWILL
PO BOX 664
COKATO MN 55321

Phone Number: 612-247-5690

Invoice Number: 1702565
Invoice Date: 06/27/2018
Location: 02
Work Order Number: 285864
Payment Type: Account

Page: 2 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 9630	5672		ASHWILL9630	

Enviromental Fee \$1.00

Labor: \$1,889.04 Parts: \$18.60 OL&M: \$0.00 Misc: -\$102.89 Sub-Total: \$1,804.75

Customer PO No:
Tax Exempt No:
Advisor: S116

Labor: \$1,889.04
Parts: \$18.60
OL&M: \$0.00
Misc: -\$102.89
Sales Tax: \$1.37

Total: \$1,806.12

TERMS AND CONDITIONS

Received by:

Date: