



**SYDENSTRICKER  
NOBBE**



**JOHN DEERE**

Sydenstricker Nobble Partners  
3575 Veterans Memorial Pkwy  
St. Charles, MO 63303  
Phone: (636) 493-0288  
www.snpartners.com

Invoice To Account No: 4

Deliver To:

## SERVICE INVOICE

WARRANTY-ALL STORES x x x x x MO x  Bus Phone: x Prv Phone: x	JV CONTRACTING 10011 WESTBRIER RD CADET MO 63630  Bus Phone: Prv Phone:	Invoice Number: <b>9615400</b> Invoice Date: 07/10/2021 Location: 17 Work Order Number: 802558 Payment Type: Account  Page: 1 of 2
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Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 331G	2268	1T0331GKVHF312798	MM312798JV	

### Warranty-1 Warranty

#### COMPLAINT:

1. UNIT HAS DEF CODES

#### CAUSE:

AT483434 DEF HEADER INTERNAL FAILURE.

#### CORRECTION:

UNIT HAS DEF CODES. BROUGHT BACK INTO SHOP AND LOOKED OVER HAS DEF CODES DCU 523601.01 AND 523636.00 ONE FOR ENGINE DERATE AND THE OTHER IS DEF SCR REDUCTION LOW. FOLLOWED SERVICE ADVISOR FOR CORRESPONDING DIAGNOSTICS AS FOLLOWS. CLEARED CODES AND CODES IMMEDIATELY CAME BACK. COMPLETED DEF QUALITY TEST AND IT TESTED LOW, DRAINED AND REPLACED DEF FLUID. CODE STILL ACTIVE. CHECKED WIRING FROM DEF DOSING INJECTOR TO DEF DOSING PUMP ALL THE WAY TO DEF HEADER AND BACK TO DCU. LOAD TESTED WIRING AS WELL AND FOUND NO ISSUES WITH WIRING AT ALL. THIS TOOK SOME TIME TO UNPLUG EACH AND EVERY WIRE AND CHECK FOR CORROSION AND PIN WEAR. CHECKED DEF DOSING PUMP FILTER FOR RESTRICTIONS AND FOUND NONE. CHECKED DEF SUPPLY HOSES FOR KINKS OR LEAKS AND ALSO FOUND NO ISSUES. CHECKED ENTIRE DEF SYSTEM HOSES AND WIRING FOR KINKS OR RUBS AND FOUND NO ISSUES. REPLACED DEF DOSING INJECTOR WITH A KNOWN GOOD ONE AND STILL DID NOT CLEAR THE CODES. AFTER REMOVING DEF HEADER AND LOOKING AT THE FILTER, FOUND IT WAS CLEAN BUT NOT ACTUATING AND PULLING DEF FROM THE TANK. REMOVED AND REPLACED THE DEF TANK HEADER AND CODE WENT STORED. UNIT WAS THEN OPERATING AS DESIGNED. T 17013

PartNumber	Description	Quantity	Net Price	Extended Price	Taxed Ind
AT483434	DEF TANK H	1.00	\$734.25	\$734.25	N
Labor: \$1,964.31	Parts: \$734.25	OL&M: \$0.00	Misc: \$0.00	Sub-Total: \$2,698.56	

Customer PO No:	
Tax Exempt No:	ON FILE 2023
Advisor:	Jeff Cochran

Labor:	\$1,964.31
Parts:	\$734.25
OL&M:	\$0.00
Misc:	\$0.00
Sales Tax:	\$0.00
Total:	\$2,698.56

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WARRANTY-ALL STORES  
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Prv Phone: x

JV CONTRACTING  
10011 WESTBRIER RD  
CADET MO 63630

Bus Phone:  
Prv Phone:

Invoice Number: **9615400**

Invoice Date: 07/10/2021

Location: 17

Work Order Number: 802558

Payment Type: Account

Page: 2 of 2

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 331G

2268

1T0331GKVHF312798

MM312798JV

**TERMS AND CONDITIONS**

Received by: .....

Date: .....



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### WARRANTY-ALL STORES

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Bus Phone: x  
Prv Phone: x

JV CONTRACTING  
10011 WESTBRIER RD  
CADET MO 63630

Bus Phone:  
Prv Phone:

Invoice Number: **9557373**

Invoice Date: 05/26/2021

Location: 17

Work Order Number: 790100

Payment Type: Account

Page: 1 of 2

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 331G

2000

1T0331GKVHF312798

MM312798JV

### Warranty-1 Warranty

#### COMPLAINT:

1. Exhaust cracked. Install new Catalytic Muffler and Gaskets. Emissions Warranty

#### CAUSE:

Exhaust was cracked next to the DEF Dosing injector.

#### CORRECTION:

Inspected unit and found that the exhaust was cracked next to the DEF Dosing injector. Raised lift arms and locked. Removed rear covers and rear hood from machine. Unbolted exhaust DPF from catalyst. Removed DPF section from machine and removed sensors from DPF. Installed new DPF onto machine and secured with mounting straps. Installed sensors. Reinstalled DEF Dosing injector and installed new gaskets on both ends. Started machine and checked for any rattles or issues. Let unit regen and ECU 3250.00 code came up. Doc Outlet Temp Extremely High. After hooking up to Service Advisor and looking at the readings, temp sensor was reading over 1800 degrees Fahrenheit which is incorrect. Sensor was seized in doc. Used penetrating oil to remove and replaced. Code never came back and ran a regen for test purposes as well. Unit is now operating as designed.

PartNumber	Description	Quantity	Net Price	Extended Price	Taxed Ind
MIA884455	CATALYTIC	1.00	\$1,450.00	\$1,450.00	N
MIU802082	GASKET	2.00	\$9.83	\$19.66	N
MIU803950	TEMPERATUR	1.00	\$87.11	\$87.11	N
Miscellaneous	Description	Quantity	Net Price	Extended Price	Taxed Ind
S3921	MILEAGE SERV VEH	145.00	\$1.00	\$145.00	N
S5302	Warranty Mileage	-145.00	\$1.00	-\$145.00	N

Labor: \$1,789.21    Parts: \$1,556.77    OL&M: \$0.00    Misc: \$0.00    Sub-Total: \$3,345.98

Customer PO No:  
Tax Exempt No: ON FILE 2023  
Advisor: Jeff Cochran

Labor: \$1,789.21  
Parts: \$1,556.77  
OL&M: \$0.00  
Misc: \$0.00  
Sales Tax: \$0.00  
**Total: \$3,345.98**

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<b>Make/Model:</b>	<b>Meter</b>	<b>Serial Number:</b>	<b>EQ Id:</b>	<b>Fleet No:</b>
JOHN DEERE 331G	2000	1T0331GKVHF312798	MM312798JV	

**TERMS AND CONDITIONS**

Received by: .....

Date: .....



**SYDENSTRICKER  
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**JOHN DEERE**

Sydenstricker Nobbe Partners  
155 John Deere Drive  
Moscow Mills, MO 63362  
Phone: (636) 366-9400  
www.snpartners.com

Invoice To Account No: 4

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## SERVICE INVOICE

WARRANTY-ALL STORES  
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Bus Phone: x  
Prv Phone: x

JV CONTRACTING  
10011 WESTBRIER RD  
CADET MO 63630

Bus Phone:  
Prv Phone:

Invoice Number: **9410797**

Invoice Date: 01/19/2021

Location: 03

Work Order Number: 756081

Payment Type: Account

Page: 1 of 2

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN-DEERE 331G

1931

1T0331GKVHF312798

MM312798JV

### Warranty-1 Warranty

#### COMPLAINT:

1. C/S THAT THE MACHINE HAS A DTC FOR DEF SYSTEM FAULT AND THE MACHINE IS DERATING. OTHER CODES ARE PRESENT.

#### CAUSE:

After extensive diagnosis, found the left chassis harness had an electrical issue that was causing the machine to throw DTC and the derate of the machine.

#### CORRECTION:

Reprogrammed the DCU and check the connections at the B5501 DEF dosing unit and the Y5020 DEF dosing injector. Both were ok. Checked to make sure that none of the pins for the DCU and the DEF were damaged. No issues found with the pins. Performed DEF quantity test and machine past test. After discussing issue with DTAC, the left hand chassis harness was considered the issue and it was recommended to replace this harness. Removed old chassis harness. Removing harness took an especially long time due to cutting zip ties and removing old harness from machine. Installed and secured new chassis harness. Tested operation. Operated machine for 30 to 45 mins with no issues. Machine did not derate and no codes for the DEF system appeared. Finished reassembling unit and brought to wash bay. Chassis harness qualifies for Emissions warranty. Diagnostic Trouble codes found- DCU 523586.03 & 523625.00

PartNumber	Description	Quantity	Net Price	Extended Price	Taxed Ind
14M7303	FLANGE NUT	1.00	\$0.68	\$0.68	N
AT487955	Chassis Wiring Harness	1.00	\$1,613.32	\$1,613.32	N
Miscellaneous	Description	Quantity	Net Price	Extended Price	Taxed Ind
P3750	FREIGHT	1.00	\$29.04	\$29.04	N
S599	Freight covered by Service	-1.00	\$29.04	-\$29.04	N
Labor: \$2,671.20		Parts: \$1,614.00	OL&M: \$0.00	Misc: \$0.00	Sub-Total: \$4,285.20

Customer PO No:  
Tax Exempt No: ON FILE 2023  
Advisor: Jared Pecaut

Labor: \$2,671.20  
Parts: \$1,614.00  
OL&M: \$0.00  
Misc: \$0.00  
Sales Tax: \$0.00  
**Total: \$4,285.20**

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JV CONTRACTING  
10011 WESTBRIER RD  
CADET MO 63630

Bus Phone:  
Prv Phone:

Invoice Number: **9410797**

Invoice Date: 01/19/2021

Location: 03

Work Order Number: 756081

Payment Type: Account

Page: 2 of 2

Make/Model:

Meter

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Bus Phone: (000)000-0000  
Prv Phone: (000)000-0000

JV CONTRACTING  
10011 WESTBRIER RD  
CADET MO 63630

Bus Phone:  
Prv Phone:

Invoice Number: **9672983**  
Invoice Date: 08/31/2021  
Location: 17  
Work Order Number: 798801  
Payment Type: Account

Page: 1 of 1

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 331G	2257	1T0331GKVHF312798	MM312798JV	

### Gen-10 Warranty

#### COMPLAINT:

1. UNIT IS SLUGGISH CONTINUES TO GO INTO REGEN - SA #6398 JD pays np and I

#### CAUSE:

Engine needs replaced.

#### CORRECTION:

LOOKED OVER UNIT AND CONFIRMED THE ISSUE. REPLACED DEF HEADER AND REPROGRAMMED CONTROLLER AND CODE WENT STORED BUT MACHINE WAS REALLY SLUGGISH. DID AN INJECTOR LEAK OFF TEST AND FOUND THE INJECTORS ARE LEAKING OFF AND NEED REPLACED, EXPLAINS FREQUENT REGENS. ONCE CODE WAS ELIMINATED, THE MACHINE IDLED UP AND WAS LOW ON POWER. FOUND ENGINE CYLINDER NUMBER ONE COMPRESSION IS LOW COMPARED TO OTHER CYLINDERS. MACHINE WILL NEED A NEW ENGINE. DTAC 1664576. PER JEFF C, ERB WILL BE REPLACING THE ENGINE AND WILL COME PICK UP TODAY. NEED TO GATHER ALL HARDWARE AND PARTS TOGETHER TO GET READY FOR PICKUP.

Labor: \$2,144.41	Parts: \$0.00	OL&M: \$0.00	Misc: \$0.00	Sub-Total: \$2,144.41
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Customer PO No:  
Tax Exempt No: ON FILE 2023  
Advisor: Jeff Cochran

Labor:	\$2,144.41
Parts:	\$0.00
OL&M:	\$0.00
Misc:	\$0.00
Sales Tax:	\$0.00
Total:	\$2,144.41

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Date: .....