

STK#/FLEET#

Deere 9630 Tractor

HRS PIN/BIN

WARRANTY DATE

HRS

Q009176 Deere 9 267.305 9630

9630 S

9007 RW9630E002945 RG6135L002616 07/01/10 2000 BA

SEGMENT# 1 S HALO1 NA

12/09/20 12/09/20 12/10/20

Diagnose for not going into gear CORRECTION:

12/9/20 Hal01 9007 hrs.

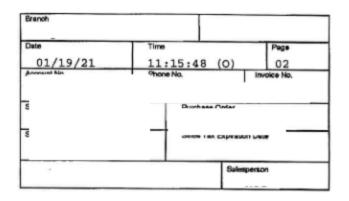
The machine would not drive and would default to N. The machine would generate a active ICU 517467.09 - FDH Message Missing. The batteries were dead, so jumped the machine to get it started. Checked the power and ground for the Front driveline health controller. Was able to figure out that the FDH controller was not getting a wake up signal from the machine. Found that the alternator had recently been replaced, and that the 0112 ELX wire for the FDH controller had been mistakenly been put to the ground point of the alternator. Therefore, the FDH was not getting woke up, because the wire to do so is the 0112 wire. The wire should have been placed on the excitation terminal for the alternator, where it would receive the wake up signal from the machine. The wire was moved to the correct location. At that point the dtc was stored and the machine would not move. Spoke to contact about the leaking fan drive for the machine as well as a hydraulic temp sensor dtc. He would speak to the customer to get approval. 12/28/20 Hal01

Removed and replaced the fan drive mechanism. Both the upper and lower fan drive assemblies were replaced. Replaced both the fan drive belt and the a/c belt. Once the engine was reassembled, it was ran. Found the fan drive union to be leaking a lot from its vent. Spoke to some other techs and found this to not be normal for a new part.

CONTINUED ON PAGE 02

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 1/s % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS Q009176 Deere 9630 Tractor 9007 RW9630E002945 07/01/10 2000 BA 267.305 9630 RG6135L002616 Addressed the hydraulic temp dtc, it was found to be an unplugged sensor under the tank. It was plugged in and the dtc was now stored. Ordered a replacement repair kit RE592556...will be replace on Parts Warranty W/O S95943 1/4/20 Hal01 Removed and replaced the leaking union fitting. Returned the old part as parts warranty. The engine was ran, It was no longer leaking and had no active dtcs. --> (Labor & Part moved to JD Parts Warranty W/O. ndb) <--FREIGHT IN FRTIN 3 RE243154 Belt Tensioner 1 N RE588803 Fan Drive 1 S RE588804 Fan Drive 1 Fan Kit RE592556 1 N R239551 V-BELT 1 R241746 V-BELT 1 PARTS LABOR. 1040001 SEGMENT TOTAL ==> 4913.50 SEGMENT# 2 S HAL01 FSC 12/09/20 12/09/20 12/10/20 FIELD SERVICE CHARGE CONTACT: ADDRESS OR COORDINATES: FIELD SERVICE CHARGE: TOTAL NUMBER OF TRIPS: LABOR 1040001 SEGMENT TOTAL ==> 455.40

CONTINUED ON PAGE 03

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 1/4 % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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Date	Tirres		Page
01/19/21	11:15:	48 (0)	03
ip Via	Pu	rchase Order	
ip Via Ves Tax Exemption No			Date

STK#/FLEET#

Q009176

Deere 9630 Tractor

267.305

9630

HRS PIN/EIN

9007 RW9630E002945 RG6135L002616

WARRANTY DATE

07/01/10

HRS

2000 BA

\*\*\*\*\* WORK ORDER TOTALS \*\*\*\*\*

PARTS

LABOR

SUB TOTAL ==>

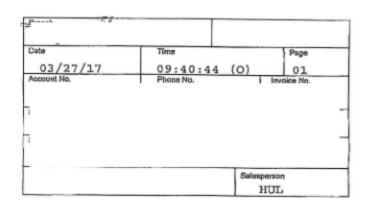
STATE OKLAHOMA 4.5%

EDMOND 3.75% CUSTOMER TOTAL

5619.58

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 % % PER MONTH (15% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS Q009176 Deere 9630 Tractor 6985 RW9630E002945 07/01/10 2000 BA 267.305 BY:\_ RG6135L002616 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* APR 1 2 2017 \*Remittance Payment Address Change to PO Box 26427, Oklahoma City, OK 73126\*

\*Remittance Payment Address Change to PO Box 26427, Oklahoma City, OK 73126\*

ENTERED

REPAIR# 1 C KOLO1 NA

01/23/17 01/23/17 01/25/17

Diagnose for transmission filter restriction code CORRECTION:

KOL01 1/23/17

Customer had just changed filters. Cut filters open, found only minimal debris. Checked filter restriction switch

good.
Attempted transmission calibration. Failed LHL full time on

L clutch. Checked L clutch solenoid, seemed to be sticking. Ordered solenoid.

KOL01 1/24

R&R L clutch solenoid, warmed transmission. Attempted calibration, failed, LHL. Machine will need transmission removed.

Also clutch B has slow fill time but did pass cal. Alternator charging circuit problems, and seat valve problems.

Lucamonna,		
FRTIN	FREIGHT IN	2
F37030221	O-RING	2
F37030246	O-RING	1
R237815	VENT	1.
R26906	O-RING	2
R28776	O-RING	2
R33259	O-RING	2
R82459	O-RING	1

APR 1 0 2017 BY:\_\_\_\_

CONTINUED ON PAGE 02

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 1/3 % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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Remit Branel Date Page 03/27/17 09:40:44 (0) 02 Account No. 8 Salesperson HUL

### SERVICE INVOICE

STK#/FLEET# Q009176 267.305 T34448 U13639 Y2502360 YZ502585 24M7036	Deere 9630 Tractor 9630 O-RING O-RING Solenoid Valve Valve WASHER		E002945 L002616 4.12 4.68 145.81 225.93	WARRANTY DATE 07/01/10	HRS 2000 BA	
			PARTS LABOR			
1040001		REPAIR	TOTAL==>		1.287	.9\$APR 1 2 2017

REPAIR# 2 C KOL01 9001TJC DRIVING TIME

01/23/17 01/23/17 01/25/17

ENTERED

MUST TEXT THE FOLLOWING TWO CONTACTS PRIOR TO GOING TO MACHINE AND WITH FINDINGS AFTER REPAIRING OR DIAGNOSING:

Mark Fulk: 405-694-0212

Bobby Cook: 405-226-0547

33RD AND LINCOLN

S 1/4

1040001

LABOR

REPAIR TOTAL ==>

275.60

REPAIR# 3 C AND01 10-050-010 01/23/17 01/31/17 01/25/17 TRANSMISSION, R&R

CORRECTION:

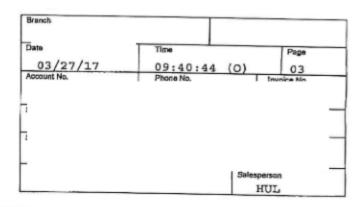
1/31 par01 System pressure is 280psi at 900rpm (spec is 235-255) Clutch B pressure is 270psi. Clutch L pressure is 195psi. checked pressure on clutch H for comparison, it receives 270psi. Checked wiring from L clutch to controller, each wire only has 1 ohm of resistance. L clutch pack is bypassing internally, transmission needs to

RECEIVED APR 1 0 2017

CONTINUED ON PAGE 03

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 % % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS, ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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STK#/FLEET#

Deere 9630 Tractor 6985

HRS PIN/EIN WARRANTY DATE

HRS

0009176 267.305

9630

RW9630E002945 RG6135L002616 07/01/10

2000 BA

come out of tractor to be repaired.

2/1 par01 Unhook all associated wiring and plumbing to remove cab from tractor. Unbolt cab, attach lifting eyes, and lift cab off of tractor and set out of the way.

2/2 par01 Removing hardware and plumbing to pull transmission.

2/3 par01 Removing hydraulic pumps, drive lines, and other hardware and plumbing to remove transmission from tractor.

2/3 par01 remove transmission from tractor and remove wiring harness from transmission.

2/6 par01 Order miscellaneous parts for installing transmission.

3/9/17 Par01: Push tractor into wash bay and wash out the center of it in preparation for reinstalling transmission. Push tractor into shop. 3-15-17 and01 started off where judd left off on installing the transmission. finished running wiring and hoses, installed hyd tank, filled the hyd and trans up with oil. 2-16-17 and01 tried calibrating the trans it would not pass. it keep failing shift solenoids, replaced all the solenoids because each one would fail. charged the a/c system up. ran a/c works good. 3-17-17 and01 installed 4 more shift solenoids that was ordered. machine passed calibration. top off fluids. ran machine around everything works good. washed after repairs. when washing found two missing bolts for front axle. replaced the missing bolts. looked over all the other bolts for the front and rear axle to make sure they where tight. FRTTN

F37030221

FREIGHT IN

4

O-RING

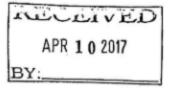
2

BY

APR 1 2 2017

ENTERED

RECEIVED APR 1 0 2017 IN ACCOUNTING



CONTINUED ON PAGE 04

TERMS: NET 10th OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 1/4 % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

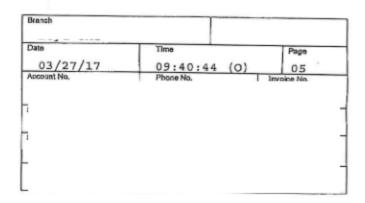
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Date	Time	Page
03/27/17	09:40:44 (0)	04
Account No.	Phone No.	Invoice No.

STK#/FLEET#		HRS	PIN/EIN	N	ARRANTY DATE	_	IRS
Q009176	Deere 9630 Tractor	6985	RW9630E002	2945	07/01/10	20	000 BA
267.305	9630		RG6135L002	2616			
H112567	PLATE		1				
H135155	CLAMP		2 N				
RE174130	OIL FILTER		1				
RE220150	TORSIONAL DAMPE		J. S				
RE281609	Hydraulic Hose		1 N				
RE40112	CROSS AND BEARI		1				
R114125	NUT		3		-	per	
R151762	SCREW		12				
R184863	HOSE CLAMP		1.				
R45693	Cap Screw		10				
R52006	WASHER		6				
R82459	O-RING		1				
TY22062	HYGARD 2.5GAL		18				
TY22326	BULK HOSE/FOOT		7				
TY22462	CLAMP		3				
TY22561	BULK HOSE/FOOT		2				
T72895	O-Ring		9				
XN8TUB8	Tee Fitting		2.				
YZ502378	OIL FILTER		1				
YZ502585	Valve		9 N		RECEIVED		
19M7394	CAP SCREW		1		MECEIVEL	,	
19M8318	SCREW		1		APR 1.0 2017	7	
19M9179	CAP SCREW		3		ATK 1.0 201	f	
8H5306	KEY		1.	41	1 4000111		
				PARTS	N ACCOUNT	ING	
				LABOR			
1040001			REPAIR TO	TAL==>			10733-27
		_					RECEIVED
REPAIR# 4 C	PARO1 NA	01/23/17	02/06/17	01/25/3	1.7		
WASH MACHIN	E FOR REPAIR						APR 1 0 2017
				(	CONTINUED ON	PAGE	05 pv.
							BY:

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 1/4 % PER MONTH (15% PER ANNUM) WILL SE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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STK#/FLEET#

Deere 9630 Tractor

HRS

PIN/EIN 6985

WARRANTY DATE

07/01/10

HRS

2000BB-

Q009176 267.305

9630

RW9630E002945 RG6135L002616

APR 1 2 2017

CORRECTION:

2/6 par01 Take transmission to wash bay, clean transmission off, and take to Steve. Take hydraulic pumps

to wash bay and wash to prepare for installation. Clean built up dirt out from under tractor.

ENTERED

1040001

LABOR REPAIR TOTAL ==> '

01/23/17 02/20/17 01/25/17

161.25

REPAIR# 5 C SINO1 NA

INSPECT TRANSMISSION.

CORRECTION:

recondition trans

ADDITIONAL DESCRIPTION:

QUOTE REPAIRS

1040001

I.AROR

REPAIR TOTAL ==>

5345.55

2010002			MIZALIK LO	I ALDRES		345.55	
REPAIR# 6 C S	SIN01 10-050-140	02/22/17	02/22/17	02/28/1	.7		
POWERSHIFT TH	RANSMISSION, RECON	DITION					
FRTIN	FREIGHT IN		6				
F37030221	O-RING		1-				
F37030246	O-RING		1				
F37030254G	O-RING		1 N		RECEIVED		
F37030273	O-RING		1		LEGETVED		
PM38657	SEALANT		5		APR 1 0 2017		
RE174130	OIL FILTER		1				
R10093	O-RING		2		IN ACCOUNTING		
TY26101	BRAKE CLEANER		4		THE STATE OF THE S		
T49624	STRAINER		1 N				5
T72895	O-Ring		9				D
				C	ONTINUED ON PAGE 0	APR 1 0 2017	

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 3/4 PER MONTH (18/4 PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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Date	Time	Page
03/27/17	09:40:44 (0)	06
Account No.	Phone No.	Invoice No.

			-				
STK#/FLEET#		HRS 1	PIN/EIN	1	WARRANTY DATE	HRS	
Q009176	Deere 9630 Tractor			002945	07/01/10	2000	BA
267.305	9630	I	RG6135I	002616	,,		211
U12331	O-RING		1.				
U13639	O-RING		1				
YZ100952	CLUTCH PLA	1	1.1. N				
YZ250161	SEAL	1	15 N				
YZ501022	PISTON RING		6 N				
YZ501131	TAPERED ROLLER		3 N				
YZ501503	SEAL	4	3 N				
YZ501569	BEARING CONE		1 N				
YZ501788	CLUTCH PLATE	2	20 N				
YZ501810	Retainer		1 N				
YZ501845	SEAL		1				
YZ501846	SEAL		1				
YZ501881	O-RING		1.				
YZ502085	Gear		1 N				
YZ502128	Ball Bearing		1. N				
YZ502166	SEAL		1				
YZ502232	O-RING		2				
YZ502309	PLATE	3	6 N				
YZ502316	V-RING SEAL		1.				
YZ502378	OIL FILTER		1		RECEIVE	ED	
YZ502512	Brake Disk	1	.0 N				
YZ502578	Clutch Plate	8	2 N		APR 102	017	
YZ502739	Ball Bearing		1 N				
				PARTS	IN ACCOUN	ITING	CIVED
1040001		R	EPATR	TOTAL==>		7	ALI VED
							AFR 1 0 2017
				*****	WORK ORDER TO	TALS *	**BY*

PARTS LABOR

CONTINUED ON PAGE

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 % % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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Branch		
Date 03/27/17	Time	Page
Account No.	09:40:44 (O) Phone No.	0.7 Invoice No.
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STK#/FLEET#

Q009176 267.305 Deere 9630 Tractor

9630

HRS PIN/EIN

6985

RW9630EC02945

RG6135L002616

SUB TOTAL ==>

STATE OKLAHOMA 4.5%

OKLAHOMA CITY 3.875%

CUSTOMER TOTAL

)

WARRANTY DATE

HRS

07/01/10

2000 BA

26051.30

BY

APR 1 2 2017

ENTERED

RECEIVED

APR 1 0 2017

IN ACCOUNTING

RECEIVED APR 1 0 2017 BY:

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE, A CHARGE OF 1 % % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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Branch		
		CNNYYY
Date	Time	Page
05/24/18	07:58:44 (0)	01
Account No.	Phone No.	Invoice No.
		-
1		-
		_

6307.96

# PARTS INVOICE

ORDER#: 291337

\*Remittance Payment Address Change to PO Box 26427, Oklahoma City, OK 73126\*

UNIT 1: Deere 9630 Tractor RW9630E002945

Part# Description Bin ORD ISS SHP B/O UTTTT Price Amount

FRTIN FREIGHT IN 1 1 1 1 \* \*
RE163451 Seat Suspension C088605 1 1 1 \* \*

NOTE: RE163451 IS A REPLACEMENT FOR RE587160

SUB TOTAL==>
STATE OKLAHOMA 4.5%

BY OKLAHOMA CITY 4.125%
TOTAL CHARGE

JUN 27 2018

TOTAL WEIGHT=> 141.00

# ENTERED

RECEIVED

MAY 2 9 2018

IN ACCOUNTING

TERMS: NET 10° OF MONTH FOLLOWING PURCHASE A CHARGE OF 1 % % PER MONTH (15% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

SHIPPING: F.O.B SHIPPING POINT

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13:48:39 01/30/19 01

# SERVICE INVOICE

STK#/FLEET#

HRS PIN/EIN

WARRANTY DATE

HRS

0009176

Deere 9630 Tractor

8685 RW9630E002945

07/01/10

RECEIVED

FEB

4 2019

2000 BA

RECEIVED FROM

FEB 07 2019

PURCHASING

267.305 9630 RG6135L002616

01/10/19 01/10/19 01/20/19

SEGMENT# 1 C ASTO1 NA Check codes

CORRECTION:

1-10-19 AST01: 8685 Hrs. CCU 107.04 Air filter

restriction sensor Fault Active 1

ECU 001569.31

Engine in Power Derate Condition

ECU - Engine Control Unit

(Level 15)

Active

ECU 002791.02

EGR Valve Position Signal Invalid (Forward)

ECU - Engine

Control Unit (Level 15)

Active

ECU 002795.07

VGT Actuator Not Reaching Expected Position ENLID EE

ECU - Engine

Control Unit (Level 15)

Stored

Found air filter restriction sensor was unplugged.

Connector lock is broken, zip tied into sensor and then

code went to stored status.

Front EGR Valve is stuck at 22%

Did EGR clean test, it would make clicking noise but

percent stayed the same. Needs new EGR valve. VGT lever

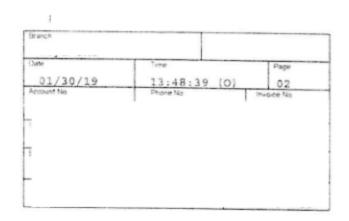
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1 ERMS - NET 10" OF MONTH FOLLOWING PURCHASE: A CHARGE OF 1 % % PER MONTH (10% PER ANNUM WILL BE ADDED FO ALL PAST DUE ACCOUNTS ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

DISCLAMENS OF WARRANTIES. Any warranters on the product soid needby are those made by the manufacturer. The series feeeby expressly disclaims all instrumes, either express er implied, including any implied warranty of revices tability of feness for a particular purpose, and the seller neither assumes nor authorities any other person to assume for it any liability in connection with the sale of said products.



STK#/FLEET# Q009176 Deere 9630 Tractor	HRS PIN/EIN		ANTY DATE		
267.305 9630	RG6135L00261		0.,01,10	2000 570	
won't go full range so is giving to manually move and VGT is st	ng the position codes icking causing the co	. Tried		RECEIVED	
Did harness mode test and it w new Turbo. Ordering parts tom	orrow.			FEB 4 2019	
1-18-19 AST01: Installed new					
turbo. Calibrated both and cl		d			
machine for a while and no cod					_
CRSE502204	Turbocharger Re	1 -			
DZ109985	Exhaust Gas Rec	1			
FRTIN	FREIGHT IN	1			
N275620	Screw	2			
RE25566	CLAMP	1			
RE527106	CLAMP	1			
RE66444	FLANGE NUT	4			
R521349	GASKET	1			
R522023	GASKET	1			
R528035	GASKET	1			
SE502204	TURBOCHARGER RE	1 N			
CRSE502204	Turbocharger Re				
TY26101A	BRAKE CLEANER	1			
777613	O-RING	3			
24M7239	WASHER	4			
51M7040	O-RING	3			
			PARTS		
			LABOR		
1040001		SEGMENT	TOTAL=>		5647.28

CONTINUED ON PAGE 03

FERMS. NOT NOT DE MONTH FOLLOWING IMPROHADE. A CHARGE OF 1 M % PER MONTH (18% PER ANNUA) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

01/10/19 01/10/19 01/20/19

DIRECTAMERIS OF WARRANTIES. Any warrances on the product soid hereby are those made by the manufacturer. The select hereby expressly discisions all warrantes, either express or indiced, including any implied warranty of merchantability of timess for a particular purpose, and the select needbad assumes nor authorized any other person to assume for it any sability in connection with the sake of said products.

SEGMENT# 2 C AST01 FSC

	Time	t <sub>2</sub> aõe
01/30/19	13:48:39 (0)	03
count Na	Phone No.	invoice No

STK#/FLEET#

HRS PIN/EIN

WARRANTY DATE

HRS

Q009176

Deere 9630 Tractor

8685 RW9630E002945

07/01/10

2000 BA

\*\*\*\*\*\* WORK ORDER TOTALS \*\*\*\*\*

267.305

9630

RG6135L002616

(\$85.50 ROUND TRIP)

1040001

LABOR SEGMENT TOTAL ==>

171.00

FFR

RECEIVED

4 2019

PARTS LABOR

SUB TOTAL = =>

STATE OKLAHOMA 4.5%

CANADIAN COUNTY .35%

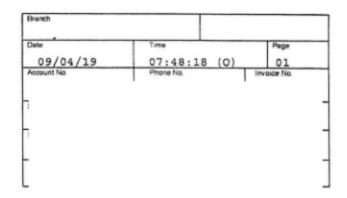
OKLAHOMA CITY 4.125%

CUSTOMER TOTAL

6227.51

TERMS - NET 10" OF MONTH FOLLOWING PURCHASE A CHARGE OF 1 % & PER MONTH (10% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS - ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY

DISCLAMERS OF WARRANTIES. Any warrantee to the product soid hereby are those made by the manufacture. The select needed expressly disclaims all windrates either express or improve modular gardy modes were analysis for an appropriate purpose, and the select needed arranged were and the selection assume for all solitons and connection with the sale of successful selection.



STK#/FLEET#

Deere 9630 Tractor

HRS PIN/EIN WARRANTY DATE

HRS

0009176 267.305

9630

8893

RW9630E002945 RG6135L002616 07/01/10

2000 BA

PURCHASING

REC'D SEP 1 2 2019

SEP 1 6 2019

RECEIVED FROM

SEGMENT# 1 C ANDO1 NA

07/22/19 08/01/19 07/30/19

SEP 1 7 2019

PURCHASING

Check for loss of coolant

CORRECTION:

8-1-19 and01 moved machine into the shop, found that the coolant system was 5 gallons low. pressured the coolant system up to 15 psi. to see if the engine level would rise or there was external leaks. found coolant coming out of the egr cooler to exhaust manifold the head needs to be removed and

checked for cracks, the head gasket needs to be checked for any signs of failure. before the head is removed. plugged the coolant lines for the egr cooler and applied 15 psi of air pressure to the coolant system tocheck if there was any further internal leaks, the pressure maintained 15 psi for 20 minutes. the egr cooler being bad and letting coolant get into the intake side of the head. after sitting for awhile and the engine not running whatever intake valve is open coolant can get into that cylinder, after sitting for awhile the coolant can pass by the rings and get into the crankcase, causing coolant to be in the engine oil. ADDITIONAL DESCRIPTION:

CUSTOMERS OIL SAMPLING SHOWED SEVERELY ELEVATED LEVELS OF ENLID SEL LU SOLA POTASSIUM

PO#A36610,

HEAD REBUILD

LABOR

SEGMENT TOTAL ==>

573.75

1040001

07/22/19 08/22/19 07/30/19

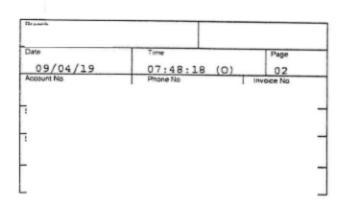
SEGMENT# 2 C AND01 10-030-120

AFTERCOOLER, R&R

CONTINUED ON PAGE 02

TERMS. NET 10" OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1.35 % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY

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STK#/FLEET#

Deere 9630 Tractor

HRS PIN/EIN WARRANTY DATE

0009176

8893 RW9630E002945

RG6135L002616

07/01/10

2000 BA

267.305

9630

CORRECTION: 8-1-19 AND01: removed the egr cooler

and found it full of coolant, tested the egr cooler and

found that it was bad.

8-22-19 AND01: installed the egr cooler and

the coolant line with new o-rings and sealing rings.

RE521493

HEAT EXCHANGER

PARTS

LABOR

1040001

SEGMENT TOTAL ==>

1693.63

SEGMENT# 3 C AND01 10-020-020 08/07/19 08/07/19 08/12/20

#### CORRECTION:

HEAD GASKET, R&R

AND01: started removing coolant hoses and surge tank. removed all

the charge air piping, so the head can be removed, removed the engine fan and the belt. removed the turbo from the exhaust manifold, removed the front cover so the cam gear can be removed. removed the rocker arms and valves bridges. 8-2-19 and01 removed the head bolts and removed the head. visually inspected the head for cracks between the valves. found no cracks. stripped the head down to be sent to the machine shop, cleaned the deckof the block off, checked the liners for vertical scratches and bad spots. liners 3 and 4 have hot spotson them at the bottom of the piston stroke on the right side. checked the lines height (standout) spec is .0017-.003 inch. #1 .0026 #2 .0035 #3 .0035 #4 .0041 #5 .0025 #6 .0025. all the liner heights are within spec.

CONTINUED ON PAGE 03

TERMS NET 16" OF MONTH FOLLOWING PURCHASE A CHARGE OF 1 1/5 % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY

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STK#/FLEET#

HRS PIN/EIN

WARRANTY DATE

HRS

0009176 267.305 Deere 9630 Tractor 9630

8893 RW9630E002945

RG6135L002616

07/01/10

2000 BA

8-21-19 and01 received the cylinder head from the machine shop, cleaned the head of at the mating surface, installed the intake with new gasket. installed the exhaust studs. installed the cam and the fuel pump on the back of the engine, cleaned the deck of block off, installed the head with new head gasket. installed the head bolts and torqued to spec. installed the cam plate to front cover. installed the injectors with new o-rings and hardware and torqued to spec. installed the cam gear with new hardware and torqued to spec. installed the rocker arms with new hardware and torqued to spec. adjusted the valve clearance. installed the valve cover with new gaskets. installed the front cover withnew gasket. installed the two belts. installed the fan on the fan drive. hooked up electrical coolant lines. hooked up fuel lines and air to air piping, went to install the exhaust manifold and found it bad where the egr cooler goes into it. the manifold has grooves cut into it where the sealing washer seal the egr cooler.

8-22-19 and01 installed the exhaust manifold on the engine with new gaskets and hardware.

installed the turbo. installed the thermostat housing with new thermostat and seals. installed new gasketsfor the housing, installed the intake piping and the air to air piping on the right side. changed the fuel and engine oil filter. changed the engine oil. changed the engine air filter, filled the engine with coolant, after filling the engine with coolant the water pump is leaking out the weep hole.

A4730R

DRC4223

O-RING

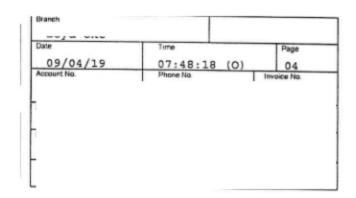
TOWEL

CONTINUED ON PAGE 04

TERMS NET 10" OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 1/4 % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY

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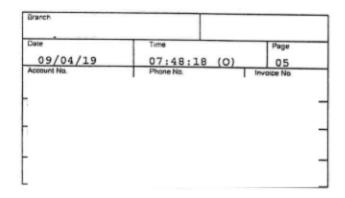
ALL CLAIMS AND RETURNED ITEMS MUST BE ACCOMPANIED BY THIS INVOICE AND IN ORIGINAL PACKAGE. CLAIMS FOR SHORTAGE ERRORS OR IMPERFECTIONS SHOULD BE AND IN CHIGHNAL PACKAGE. CLAMBEP FOR SHOWN TABLE EXPROVED ON THE PROPERTIONS SHOULD BE MADE IN WRITING WITHIN FIVE (5) DAYS AFTER RECEIPT OF GOODS. MY GOODS RETURNED AFTER 15 DAYS FROM DATE OF INVOICE ARE SUBJECT TO 15 % RESTOCKING CHARGES. RETURNED NON-STOCK ITEMS ARE SUBJECT TO ADDITIONAL FREIGHT AND HANDLING CHARGES. RETURN ITEMS PREPAID TO 4220 WEST REINO, OKLAHOMA CITY, OKLAHOMA 73107



STK#/FLET#   HRS   PIN/EIN   WARRANTY DATE   HRS   Q009176   Deere 9630 Tractor   8893 RW9630E002945   07/01/10   2000 BA   267.305   9630   RG613SL002616											
DZ10229							W			HRS	
DZ10229 Stud 12 DZ103630 Hose 1 S DZ103631 Hose 1 1 DZ105787 Spacer 10 DZ107052 Engine Cylinder 1 N FREIGHT IN 11 RE230985 AIR FILTER 1 RE261960 AIR FILTER 1 RE505499 Spring Kit 12 N RE523985 Seal 24 N RE523985 Seal 14 N RE527611 THERMOSTAT 1 RE527612 THERMOSTAT 2 RE527613 SEAL 2 RE527614 SEAL 1 RE530817 KIT 1 RE5303817 KIT 1 RE531334 SLEEVE 6 S RE531334 SLEEVE 6 S RE532952 Fuel Filter 1 RE5333910 Fuel Filter 1 RE534282 Wiring Harness 1 RE548047 Gasket 6 N RE5272785 Oil Filter 1 RE5276644 FLANGE NUT 4 RE71265 ISOLATOR 3 S R134651 PACKING 1 R136507 SCREW 12 R1518328 Valve 24 N			9630	Tractor	8893			07/01	/10 :	2000	BA
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RE527612       THERMOSTAT       2         RE527613       SEAL       2         RE527614       SEAL       1         RE530817       KIT       1         RE531334       SLEEVE       6         RE532952       Fuel Filter       1         RE533910       Fuel Filter       1         RE534282       Wiring Harness       1         RE548047       Gasket       6       N         RE572785       Oil Filter       1         RE66444       FLANGE NUT       4       4         RE71265       ISOLATOR       3       S         R14083       SCREW       6       6         R133651       PACKING       1       1         R136507       SCREW       12       0-RING       1         R500318       O-RING       1       1         R517011       SLEEVE       24       N         R518328       Valve       24       N	RE523985				Seal		24	N			
RE527613       SEAL       2         RE527614       SEAL       1         RE530817       KIT       1         RE531334       SLEEVE       6 S         RE532952       Fuel Filter       1         RE533910       Fuel Filter       1         RE534282       Wiring Harness       1         RE548047       Gasket       6 N         RE572785       Oil Filter       1         RE66444       FLANGE NUT       4         RE71265       ISOLATOR       3 S         R14083       SCREW       6         R133651       PACKING       1         R136507       SCREW       12         R500318       O-RING       1         R517011       SLEEVE       24 N         R518328       Valve       24 N	RE527611				THERMOS	TAT	1				
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RE532952       Fuel Filter       1         RE533910       Fuel Filter       1         RE534282       Wiring Harness       1         RE548047       Gasket       6         RE572785       Oil Filter       1         RE66444       FLANGE NUT       4         RE71265       ISOLATOR       3         R114083       SCREW       6         R133651       PACKING       1         R136507       SCREW       12         R500318       O-RING       1         R517011       SLEEVE       24       N         R518328       Valve       24       N	RE530817				KIT		1				
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R500318 O-RING 1 R517011 SLEEVE 24 N R518328 Valve 24 N	R133651				PACKING		1				
R517011 SLEEVE 24 N R518328 Valve 24 N	R136507				SCREW		12				
R518328 Valve 24 N	R500318				O-RING		1				
	R517011				SLEEVE		24	N			
CONTINUED ON PAGE 05	R518328				Valve		24	N			
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TERMS NET 10" OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 % % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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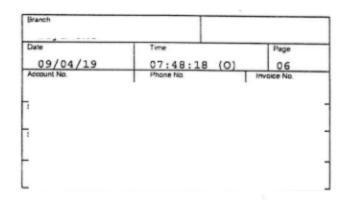
STK#/FLEET#				HRS	PIN/EIN	WAR	RRANTY DATE	HRS		
Q009176	Deere	9630	Tractor	8893	RW9630E00294	5	07/01/10	2000	BA	
267.305	9630				RG6135L00261	6				
R518437				Exhaust	Manifol	1 N	J			868.28
R519643				GASKET		2 8	3			11.70
R520798				RETAINE	R	48				21.60
R521349				GASKET		1				1.34
R521520				GASKET		1				82.69
R522023				GASKET		2 5	;			11.16
R523533				RING		4 N	7			18.28
R523989				Gasket		1 N	1			8.37
R524335				V-RING	SEAL	1				38.51
R524618				GASKET		1				11.81
R526284				SCREW		6				13.80
R528035				GASKET		1				18.78
R532008				Bushing		4 N	I			117.72
R532671				Gasket		1 N	1			40.67
R539762				Flange 1	Nut	12				27.84
R541154				Gasket		2 N	I			9.68
R545594				Spider		1				17.81
R548117				O-Ring		2				4.48
R61303				STUD		4 5	}			66.04
R62976				O-RING		1				6.78
R63185				O-RING		2				4.06
TY26101				BRAKE C	LEANER	6				29.52
TY26576				COOL-GA	RD 2.5GA	5				162.40
15W40				ENG OIL		60				232.80
24M7239				WASHER		4				2.28 6
							PARTS			7148.73
							LABOR			3510.00
1040001						SEGMEN	T TOTAL==>			10658.73

SEGMENT# 4 C ANDO1 10-020-070 07/22/19 08/22/19 07/30/19

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TERMS NET 10° OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 % % PER MONTH (18% PER ANNUA) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS Q009176 Deere 9630 Tractor

8893 RW9630E002945 07/01/10

267.305

9630

RG6135L002616

2000 BA

WATER PUMP, R&R

#### CORRECTION:

8-23-19 and01 drained the coolant. removed the water pump the water pump is leaking out the weep hole. installed new water pump with hose between the water pump and oil cooler. refilled the coolant, ran the engine and watched for leaks.

AH170895	CLAMP	2
CRSE501593	WATER PUMP	1-
R117080	RADIATOR H	1
SE501593	WATER PUMP	1
CRSE501593	WATER PUMP	

PARTS LABOR

1040001 SEGMENT TOTAL ==> 1265.75

SEGMENT# 5 C ANDO1 DIAGENGINE 07/22/19 08/23/19 07/30/19 DIAGNOSE AND ADVISE ON ENGINE

#### CORRECTION:

8-23-19 and01 000174.04 - Fuel Temperature Signal Out of Range Low code is active. the code was active when the tractor came in for engine work, checked the ohms of the fuel temperature sensor and found out that it was bad. when ohming the senor it reads open on the meter. installed new sensor and plugged it in. turned key on active code 000174.03 - Fuel Temperature Signal Out of Range High went active, checked the wiring, found the gray wire from to5 fuel temp connector to the j3 connector of the ecu is bad and broke somewhere in the harness. ran a new wire and the code went inactive. drove machine around and code has not come back.

CONTINUED ON PAGE 07

TERMS NET 10" OF MONTH FOLLOWING PURCHASE A CHARGE OF 1 1/2 % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY

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09/04/19 07:48:18 (O) Account No. Phone No.	719 07:48:18 (O) Phone No. Inve	O) 0
Phone No.	Phone No. Inve	

STK#/FLEET#

HRS PIN/BIN

WARRANTY DATE

HRS

Q009176

Deere 9630 Tractor

8893 RW9630E002945

07/01/10

2000 BA

267.305

9630

RG6135L002616

07/22/19 08/23/19 07/30/19

07/22/19 08/22/19 07/30/19

ADDITIONAL DESCRIPTION:

DIAGNOSE FUEL TEMP CODES

LABOR

1040001

SEGMENT TOTAL ==>

405.00

SEGMENT# 6 C AND01 10-020-090

ENGINE MOUNTS, REPLACE

CORRECTION: 8-26-19 and01 replaced the worn out engine mounts with

mounts.

T129538

ISOLATOR

4

PARTS

LABOR

1040001

SEGMENT TOTAL ==>

909.12

SEGMENT# 7 C ANDOL NA

REPLACE A/C LINE

CORRECTION:

8-22-19 and01 replaced the a/c line from the compressor to the condenser. the old hoses had a hole in it. pulled a

vacuum and charged the system to spec.

RE283422

REFRIGERANT HOS

1 N

134A

FREON 134A Bulk

6

PARTS

LABOR

1040001

SEGMENT TOTAL ==>

609.57

\*\*\*\*\* WORK ORDER TOTALS \*\*\*\*\*\* CONTINUED ON PAGE 08

TERMS. NET 10" OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 1/4 % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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ccount No. Phone No. Invoic	Invoice No.

STK#/FLEET#

Q009176

267.305

Deere 9630 Tractor

9630

HRS PIN/EIN

8893 RW9630E002945 RG6135L002616 WARRANTY DATE

07/01/10

HRS 2000 BA

PARTS

LABOR

SHOP SUPPLIES

SUB TOTAL ==>

STATE OKLAHOMA OKLAHOMA CITY 4

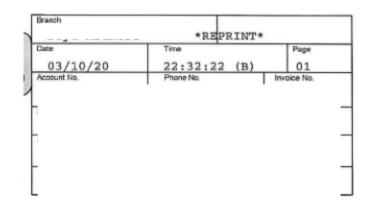
CUSTOMER TOTAL

18889.19

\*\*You can now pay your CL Boyd account online with a credit card at payment.clboyd.com\*\*

TERMS. NET 10" OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 1/2 N. PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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STK#/FLEET#

Deere 9630 Tractor

HRS P: 8978 R

PIN/EIN RW9630E002945 WARRANTY DATE

HRS

слп

Q009176 267.305

9630

RG6135L002616

07/01/10

2000 BA

SEGMENT# 1 C PEO01 NA

03/03/20 03/03/20 03/06/20

RECEIVED

3:04 am, Apr 24, 2020

Diagnose for shutting down suddenly COMPLAINT:

Larry advised machine shut down Turbo actuator derating engine

Hydraulic fluid up under tank Turbo actuator bad

CORRECTION:

3/3/2020 Larry advised machine would shut down after starting. Connected and pulled codes. Found two codes: ECU-2795.07 and CCU-2602.01. Found cause of engine shutting down is caused from CCU-2602.01. Checked fluid level, is below sensor. It is caused from hydraulic fluid leaking from up under tank. After working my way up, found leak is coming from hose going to pump. Removed side bracket from tank.

Cleaned and clamp is loose. Set clamp around bottom of hose to pump and tightened into position. Checked for leak. Checked EGR valves and connections. Performed EGR cleaning test and relearn, both passed. Installed bracket and advised Larry machine is ready. Hours 8978 3/5/2020 Travis came to other machine I was working on and advised that engine is losing power. Arrived and checked codes. Found ECU-641.13 active. Raised hood. Checked turbo

t

CONTINUED ON PAGE 02

TERMS: NET 10° OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 ½ % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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03/10/20 22:32:22 (B)	02
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STK#/FLEET#

HRS PIN/EIN

WARRANTY DATE

HRS

Q009176 Deere 9630 Tractor 267.305 9630 8978 RW9630E002945 RG6135L002616 07/01/10 2000 BA

actuator and is binding up. Removed keeper from arm and removed from actuator. Found turbo linkage is locking up. Called and advised Brandon. He said to get all parts needed and repair machine. Looked up parts and ordered. Hours 8979

3/6/2020 Raised hood. Unbolted back brace of hood and tilted hood over to the front. Removed exhaust pipe clamp to turbo. Removed clamp for intake side. Unbolted oil drain line from turbo and oil supply line. Removed coolant line to VGT actuator. Capped and plugged lines. Unbolted turbo and removed from manifold. Cleaned mounting surface and installed new turbo gasket. Installed new turbo. Cleaned drain line for oil. Installed new gasket and bolted up line. Installed fittings to turbo for VGT actuator with new O-rings and oil supply line. Installed VGT coolant lines. Installed oil supply line. Installed air intake tube and clamped. Installed exhaust pipe and clamped. Topped off coolant surge tank and connected to machine. Performed VGT calibration. Started and monitored VGT. Checked for leaks. Tilted hood back over and bolted brace. Closed hood. NOTE: Primed new turbo with oil before installing supply oil and starting engine. Hours 8979 Job complete.

#### ADDITIONAL DESCRIPTION:

RE66444

R521349

\*\* EMAIL INVOICE TO BRANDON PER MARK FULK \*\*

CRSE502204 Turbocharger Re

FRTIN FREIGHT IN

RE25566 CLAMP

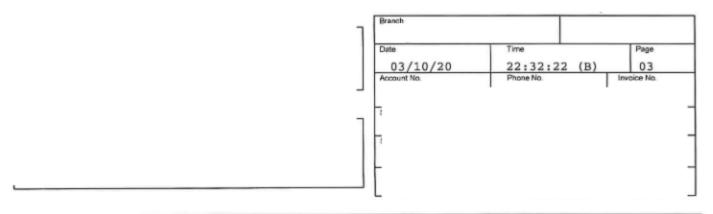
FLANGE NUT GASKET 1-1 1 N

1 N 4 N 1 N

CONTINUED ON PAGE 03

TERMS: NET 10" OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 1/5 % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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STK#/FLEET# Q009176 267.305	Deere 9630	9630	Tractor	HRS 8978	PIN/EIN RW9630E002945 RG6135L002616	5	ANTY 07/0	DATE 1/10	HRS 2000	BA	
R528035				GASKET		1 N					
R61303				STUD		4 N					
SE502204			(	TURBOCH	ARGER RE	1 N					
CRSE502204				Turboch	arger Re						
TY26101				BRAKE C	LEANER	2					
T77613				O-RING		3					
24M7239				WASHER		4					
51M7040				O-RING		3					
							F	PARTS			
							I	ABOR			
1040001						SEGMENT	TOTA	T==>			5549.77

SEGMENT# 2 C PEO01 FSC

03/03/20 03/05/20 03/06/20

FIELD SERVICE CHARGE

CONTACT:

ADDRESS OR COORDINATES: Calera job

FIELD SERVICE CHARGE: \$518.40 ROUND TRIP

TOTAL NUMBER OF TRIPS: 2

LABOR

1040001

SEGMENT TOTAL ==>

1036.80

REPLACED TURBO AGAIN

\*\*\*\*\* WORK ORDER TOTALS \*\*\*\*\*

PARTS

LABOR SUB TOTAL==>

6586.57

3/10/20 8978 HRS = 293 HRS

STATE OKLAHOMA BRYAN COUNTY CALE

CALE

CONTINUED ON PAGE 04

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 ½ % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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ount No.	Phone No.	Invoice No.
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STK#/FLEET#

0009176

267.305

9630

Deere 9630 Tractor

RW9630E002945 8978 RG6135L002616

HRS PIN/EIN

WARRANTY DATE

HRS

2000 BA 07/01/10

CUSTOMER TOTAL

6985.47

TERMS: NET 10<sup>th</sup> OF MONTH FOLLOWING PURCHASE. A CHARGE OF 1 ½ % PER MONTH (18% PER ANNUM) WILL BE ADDED TO ALL PAST DUE ACCOUNTS. ANY ACCOUNTS PAST DUE WILL BE SUBJECT TO A CASH BASIS ONLY.

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