

# PARTS INVOICE

Customer No:	Phone:	PO#:	Invoice No:
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Tax Status	Terms	Truck ID	Counter Person	Drawer No.	Invoice Date
					4/07/2023

Line	Part Number	Description	Ordered	B/O	Shipped	Each	Total
1	8600889	ALTERNATOR 24SI HP-	1		1		
2	8200308	STARTER 39 MT 11 TOO	1		1		
3	RF890012988	HIGH BOOST PURGE VA	1		1		
4	2235664	JOINT-EXPA NS	1		1		
5	FSC	FUEL SURCHARGE					

SUBTOTAL  
TAX 8.975 %  
SUBLET  
OTHER  
SHIPPING

TOTAL DUE

1089.81

1,068.24

Customer Copy

# PARTS INVOICE

Customer No:	Phone:	PO#:	Invoice No:
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Tax Status	Terms	Truck ID	Counter Person	Drawer No.	Invoice Date
					7/13/2023

Line	Part Number	Description	Ordered	B/O	Shipped	Each	Total
1	RF654061404	BUSHING-FR ONT ENGIN	2		2		
2	RF970A15101	BUSHING ENGINE FRONT	2		2		
3	127592DAN	SEAL THRU- SHAFT DS4	1		1		

SUBTOTAL  
TAX 8.975 %  
SUBLET  
OTHER  
SHIPPING

**TOTAL DUE** 260.85

Customer Copy

# INVOICE

Invoice #

SO #

Date 09/06/2022

Writer

Page 1 of 1

Contact

Payment terms

Ship via

Contact phone

Primary phone

Part number	Description	Ord	Del	B/O	List Price	Unit price	Ext. price
072_MU-155698-12XB10	15.5 CLUTCH	1	1	0			

\*\*Core exchange\*\*

072_AHB-200	HINGED CLUTCH BRAKE	1	1	0			
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Work Order No. WO - WO-0272147

Condition RESURFACE FLYWHEEL

Part number	Description	Ord	Del	B/O	List Price	Unit price	Ext. price
029_306VV	PILOT BRG W/VITON SEAL	1	1	0			

Labor

Shop supplies

Received by

See warranties on reverse side

Total merchandise

Total cores

Total labor

Tax amount

Invoice total

\$798.75

## INVOICE

PAGE 1

## SERVICE ADVISOR:

SERVICE ADVISOR.

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	05	KENWORTH T600	1XKADB9X95R115563		635515/635515	R11556	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
07JAN21 DD			17:00 11JAN23				13JAN23
R.O. OPENED		READY		OPTIONS:			
10JAN23		13JAN23					

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
A	DIAG	BOOST	ISSUE				
		MISC	DIAG	BOOST	ISSUE		
			10475	CSV			

truck came in with a boost issue i began by testing the waste gate actuator due to symptoms being described i found when aplying air to wastegate it is stuck and will not actuate properly.

\*\*\*\*\*

B	DIAGNOSE	WATER	TEMP	ISSUE			
		MISC	DIAG	WATTER	TEMP		
			10475	CSV			

TRUCK CAME IN WITH AN ERRATIC TEMP GAUGE I BEGAN BY CHECKING WIRING AND FOUND THE WIRING TO THE COOLANT DIVERTER VALVE WAS MELTED AS WELL AS PART OF THE TEMP SENSOR HARNESS AFTER REPAIR I WAS RECEIVING CORRECT POWER AND GROUND AND CHECK ENGINE WENT AWAY BUT STILL NO GAUGE SO I TESTED RESISTANCE AT THE SENSOR AND FOUND IT TO BE BAD NOW I AM WAITING ON THE SENSOR.

\*\*\*\*\*

C	DIAGNOSE	OIL	LEAK				
		MISC	DIAGOIL	LEAKES			
			10475	CSV			

RAN TRUCK TO TEMP AND CRAWLED UNDERNEATH TO INSPECT FOR OIL LEAKS I FOUND THE OIL PAN GASKET WAS LEAKING PRETTY BAD SENT A QUOTE AND WAITING FOR APPROVAL.

\*\*\*\*\*

F**	REPLACE	OIL	PAN	GASKET			
		MISC	OIL	PAN	GASKET		

10475 CSV  
1 1685248 SEAL-ISOLATI  
1 1R1808 FILTER AS-LU  
11 ROT15-40GAL ROTELLA OIL  
1 82194PTX GASKET MAKER-ULTRA GRY 3.5OZ TUBE

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	

## INVOICE

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## SERVICE ADVISOR:

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DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
07JAN21 DD			17:00 11JAN23				13JAN23
R.O. OPENED		READY		OPTIONS:			
10JAN23		13JAN23					

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
	12/CS						
	1	NAT94101	1/4-28	NUT			

truck came in with oil pan gasket leaking i began by draining all oil i then removed oil pan cleaned the pan and block surface i then resealed the seams and installed the new gasket with the pan. torqued to cats specs.

\*\*\*\*\*

## G\*\* REPAIR/REPLACE COOLANT TEMP SENSOR

MISC COOLENT TEMP SENSOR

10475 CSV

1 6V6609 SEAL

1 2644297 SENSOR TEMP

1 DT06-2S DUETSCH 2 PIN SOCKET

1 NAT31450 2 WAY DT WEDGE IN PLUG

2 NAT31486 14 GA #16 solid socket terminal

1 10020LUC TREATMENT-FUEL 5.25 OZ BOTTLE (24)

truck came in with inoperable temp guage i began by checking wiring near sensor and found it to be cooked so i cut the harness and respliced a Deutsch connector i then tested the sensor for resistance and it was found to be bad so i drained the coolant and replaced with a new sensor then rewired and tested it works as it should.

\*\*\*\*\*

## H\*\* REPLACE TURBO

MISC R&amp;R TURBO

10475 CSV

1 D95080046R TURBO, REMAN AFTERMARKET 10R2407

CORE CHARGE C

1 FRT FREIGHT

4 2N2766 LOCK NUT

2 NAT92072 5/16-18 X 1 1/2

-1 D95080046R CORE RETURN

TOTAL LINE H:

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
<b>PLEASE PAY THIS AMOUNT</b>	

## INVOICE

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07JAN21 DD			17:00 11JAN23				13JAN23	
R.O. OPENED		READY		OPTIONS:				
10JAN23		13JAN23						

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
TRUCK CAME IN WITH BOOST ISSUES SO I BEGAN BY PLACING TRUCK UNDER A LOAD AND CHECKING FOR BOOST LEAKS NONE WERE FOUND I THEN CHECKED THE TURBO ITSELF AND TESTED THE WASTEGATE FOR CORRECT OPERATION I APPLIED 25 PSI OF AIR TO THE WASTE GATE ACTUATOR AND I HAD ZERO MOVEMENT ON THE BLADE INDICATING THE TURBO WAS BAD I STARTED REMOVAL OF THE OLD TURBO DUE TO IT BEING A C15 WITH COMPOUNDS THE LOWER TURBO HAD TO BE LOOSENED TO GAIN CLEARANCE TO REMOVE THE TOP TURBO ONCE REMOVED I SWAPPED THE INLET TUBES AND PRE OILED THE NEW TURBO I THEN INSTALLED IT ON THE TRUCK AND I AM WAITING TO TEST DRIVE TO CHECK BOOST PARAMETERS.							
*****							

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	3481.95

## INVOICE

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DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
07JAN21 DD			17:00 19JAN23				30JAN23
R.O. OPENED		READY		OPTIONS:			
18JAN23		30JAN23					

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
A	DIAG		INTERMITTENT POWER LOSS				
	SPF-00-000-1198		DIAG INTERMITTENT POWER LOSS				
	10475	CSV					
	1	2219895	VALVE GP				
	1	NAT94105	3/8-24 NUT				

TRUCK CAME IN WITH COOLANT TEMP ISSUES THE ECM AND GUAGE WERE  
READING 30 DEGREES OFF SET SO I BEGAN BY TESTING WIRING AT ECM AND I  
HAD GOOD POWER AND GROUND AT BOTH PINOUT LOCATIONS SO I THEN CHECKED  
THE HARNESS ITSELF FOR RESISTANCE AND FOUND IT TO BE WITHIN SPEC SO I  
MOVED ON TO CHECKING SENSORS AND FOUND MY SENSOR GOING TO THE BLOCK WAS  
BAD AND BURNT UP ONCE I REPAIRED THE PIGTAIL AND PUT A NEW SENSOR IN IT  
IMPROVED THE READING A LITTLE BUT NOT GOOD ENOUGH I THEN MOVED MY DIAG  
TO THE ECM AND FOUND THE ECM CONNECTOR HOLD DOWN WAS BUSTED AND  
ALLOWING INTERMITTENT GROUND AND POWER I INFORMED THE CUSTOMER AND  
SUGGESTED A MANUAL TEMP GUAGE IN ORDER TO BYPASS THE FACTORY GUAGE  
WHICH WAS NOT ENGINEERED BY KENWORTH WELL AT ALL ONCE I INSTALLED THE  
MANUAL GUAGE I MONITORED TEMP TO INSURE IT WAS MATCHING THE ECM IT WAS  
I THEN MADE SURE THE FAN ENGAGED AT 216 DEGREES PER CAT SPECS AND IT  
DOES I INSPECTED FOR LEAKS AND TIED EVERYTHING UP.

\*\*\*\*\*

B\*\* DIAG DIAGNOSTIC PORT  
MISC DIAG DIAGNOSTIC PORT  
10475 CSV  
1 2566453 SENSOR GP-TE  
1 2005234 INDICATOR  
1 FRT FREIGHT

truck came in needing intake actuator valve installed i needed to  
get an ecm printout first and found the diag port had no power i found  
the fuse and replaced it and then received a printout.

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C\*\* RUN OVERHEAD  
SPF-00-000-1198 RUN OVERHEAD

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	

## INVOICE

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COLOR	YEAR	MAKE/MODEL	VIN		LICENSE	MILEAGE IN / OUT		TAG
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DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE	
07JAN21 DD			17:00 19JAN23				30JAN23	
R.O. OPENED		READY		OPTIONS:				
18JAN23		30JAN23						

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
		10475	CSV				
	1	NAT92140	3/8-16 X 2-1/2	GRADE 8 C/S			

truck came in with intake actuator code and power loss i adjusted  
the overhead per cat specs and ran a road and idle test i had a decent  
amount of valve chatter so i readjusted and truck runs and sounds as it  
should.

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DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
<b>PLEASE PAY THIS AMOUNT</b>	<b>3403.84</b>