

File copy

232286

INVOICE

PAGE 1

11

SERVICE ADVISOR

VIN		LICENSE		MILEAGE IN / OUT		TAG	
12 KENWORTH W900		1NKWX4EXXCJ309622		651569/651569		T622	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
01JAN12 DD			17:00 28DEC21	709	138.00	CHG	28DEC21
R.O. OPENED		READY		OPTIONS: ENG:79476818 1) ISX15		CM2250	
11:36 28DEC21		14:47 28DEC21					
LINE OPCODE TECH TYPE HOURS							
A CHECK ENGINE LIGHT							
				LIST		NET TOTAL	

12 TROUBLESHOOT/REPLACE TURBO AND ACTUATOR

135 CP 5.40

1 4034289RX KIT,VG TUR ACT SERVICE	2143.00	745.20
CORE CHARGE C		1176.43
-1 4034289RX CORE RETURN	158.13	158.13
1 2882111RX KIT,TURBOCHARGER	9117.12	-158.13
CORE CHARGE C		5004.90
-1 2882111RX CORE RETURN	885.50	885.50
1 4966441 GASKET,EXH OUT CONNECTION	18.76	-885.50
PARTS: 6196.25 LABOR: 745.20 OTHER: 0.00		14.92
TOTAL LINE A:		6941.45

651569 CONNECT TO UNIT AND CHECK FAULTS, UNIT HAS MULTIPLE VGT FAULTS. CHECK HARNESS, CONNECTIONS AND REMOVE ACTUATOR. CHECK VGT ON TURBO, VGT IS STUCK. DRAIN COOLANT, REMOVE HEAT SHIELD, OIL LINES AND COOLANT LINES. DISCONNECT SPEED SENSOR AND REMOVE TURBO. INSTALL RE MAN TURBO ON UNIT. TRY TO TIME ORIGINAL ACTUATOR, ACTUATOR WILL NOT TIME. INSTALL AND TIME NEW TURBO ACTUATOR, ASSEMBLE UNIT, FILL AND BLEED COOLANT, CLEAR FAULTS, RUN UNIT, NO FAULTS RECURRED.

CUSTOMER PAY ENVIRONMENTAL FOR REPAIR ORDER

ITS BEEN A PLEASURE WORKING WITH YOU

59.62

01/03/2022

709

45-315

1-7-22

B-

ON BEHALF OF SERVICING DEALER, I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREON IS ACCURATE UNLESS OTHERWISE SHOWN. SERVICES DESCRIBED WERE PERFORMED AT NO CHARGE TO OWNER. THERE WAS NO INDICATION FROM THE APPEARANCE OF THE VEHICLE OR OTHERWISE, THAT ANY PART REPAIRED OR REPLACED UNDER THIS CLAIM HAD BEEN CONNECTED IN ANY WAY WITH ANY ACCIDENT, NEGLIGENCE OR MISUSE. RECORDS SUPPORTING THIS CLAIM ARE AVAILABLE FOR (1) YEAR FROM THE DATE OF PAYMENT NOTIFICATION AT THE SERVICING DEALER FOR INSPECTION BY MANUFACTURER'S REPRESENTATIVE.

(SIGNED)

(DATE)

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CUSTOMER SIGNATURE

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	7496.77

232146

INVOICE

PAGE 1

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SERVICE ADVISOR

12 KENWORTH W900		VIN 1NKWX4EXXCJ309622		LICENSE		MILEAGE IN / OUT 649267/649267		TAG T622	
DEL. DATE 01JAN12 DD	PROD. DATE	WARR. EXP.	PROMISED 17:00 17NOV21	PO NO. 709	RATE 138.00	PAYMENT CHG	INV. DATE 24NOV21		
R.O. OPENED		READY		OPTIONS: ENG:79476818 1) ISX15 CM2250		CPL3491			

14:20 17NOV21 15:59 24NOV21

LINE OPCODE TECH TYPE HOURS

A CHECK ENGINE LIGHT IS ON / SERVICE CALL

12 SERVICE CALL

129 CP 1.30

12 TROUBLESHOOT/REPLACE INJECTORS

129 CP 7.60

2 3963991 WASHER, SEALING

6 5579417PX KIT, INJECTOR

CORE CHARGE C

-6 5579417PX CORE RETURN

7 R&R BELLOW PIPE/STATIONARY REGEN

129 CP 1.80

1 2866636 GASKET, AFM DEVICE

1 2866337 GASKET, AFM DEVICE

2 3678506 SCREW, HEX FLANGE HEAD CAP

PARTS: 6613.66 LABOR: 1476.60 OTHER: 0.00 TOTAL LINE A: 8090.26

649267 LOAD COMPUTER DRIVE TO BLACKHILLS CONNECT TO UNIT FOUND

MULTIPLY FAULTS FOR REGEN TO FREQUENT. CHECK FUEL RAIL PRESSURE TO SEE

IF WE HAD A ISSUE WITH AND INJECTOR. UPON MONITORING FUEL RAIL PRESSURE

FOUND THAT UNIT HAD EXCESSIVE FUEL RAIL PRESSURE DECAY. NOTIFY CUSTOMER

THAT UNIT HAD TO BE BROUGHT TO OUR SHOP. TROUBLE SHOOT FAULT CODE 2754

USING EDS PERFORM ALL STEPS. PERFORM SNAP TEST WITH AFTERTREATMENT

DISCONNECTED FOUND UNIT HAD EXCESSIVE BLACK SMOKE. RESET EDS FOR

EXCESSIVE BLACK SMOKE. PERFORM ALL STEPS UNTIL IT HAD ME PERFORM

INJECTOR RETURN FLOW TEST. UPON PERFORMING TEST FOUND THAT THE RETURN

FLOW WAS OUT OF SPEC. ISOLATE INJECTORS TO FIND OUT WHICH INJECTORS IT

WAS. FOUND THAT MULTIPLY INJECTORS WERE LEAKING. NOTIFY CUSTOMER.

CUSTOMER WANTED ALL 6 INJECTORS CHANGE. REMOVE CROSS OVER PIPE, AIR

FILTER PIPE, VALVE COVER, INJECTOR WIRING HARNESS, FUEL LINES, INJECTOR

TUBES, AND INJECTORS. CLEAN INJECTOR BORES. INSTALL 6 RE CON INJECTORS

AND TUBES TORQUE TO SPEC. ASSEMBLE UNIT AND INSTALL INJECTOR TRIM CODES

INTO THE ECM. RUN UNIT TO VERIFY SMOKE WAS GONE AND INJECTOR RETURN WAS

WITHIN SPEC. ASSEMBLE AFTERTREATMENT INSTALL STEP BACK UNIT OUT SIDE

AND PUT INTO REGEN. ALL FAULTS WENT INACTIVE AND CLEAR. RELEASE UNIT

FOR SERVICE

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

(SIGNED) DEALER, GENERAL MANAGER OR AUTHORIZED PERSON (DATE)

CUSTOMER SIGNATURE

232146

INVOICE

PAGE 2

011

SERVICE ADVISOR:

VIN		LICENSE		MILEAGE IN / OUT		TAG	
12 KENWORTH W900		1NKWX4EXXCJ309622		649267/649267		T622	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
01JAN12 DD			17:00 17NOV21	709	138.00	CHG	24NOV21
R.O. OPENED		READY		OPTIONS:		CM2250	
14:20 17NOV21		15:59 24NOV21		ENG:79476818 1) ISX15			
CPL3491							

LINE OPCODE	TECH TYPE	HOURS	LIST	NET	TOTAL
CUSTOMER PAY ENVIRONMENTAL FOR REPAIR ORDER					75.00

ITS BEEN A PLEASURE WORKING WITH YOU

709
45-315
12-7-21
186

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PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	8694.35

(SIGNED) DEALER, GENERAL MANAGER OR AUTHORIZED PERSON (DATE)

CUSTOMER SIGNATURE

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1-4.

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231117

INVOICE

PAGE 1

1

SERVICE ADVISOR:

DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
01JAN12 DD			17:00 15FEB21	709		CHG	26FEB21
R.O. OPENED	READY	OPTIONS:	ENG:79476818 1) ISX15				
		CPL3491	CM2250				

07:51 15FEB21 12:14 26FEB21

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
------	--------	------	------	-------	------	-----	-------

A CHECK ENGINE LIGHT IS ON
12 TROUBLESHOOT/REPLACE INNER GEAR HOUSING

73 CP 9.20
150 CP 3.43
135 CP 12.57
25.20

3	4374074	SCREW, TWELVE POINT CAP	2.12	3276.00
1	FRT FREIGHT		5.07	
2	ZDEM720	ADDITIVE	30.45	30.45
1	3693161	GEAR, IDLER	2.68	5.36
1	3689611	GEAR, IDLER	869.86	691.70
1	FRT FREIGHT		246.80	196.25
1	5468170	HOUSING, GEAR	15.64	15.64
2	BDT39120	GR. 8 HX	855.59	765.03
1	3679932	GASKET, CAMSHAFT COVER	3.63	3.82
1	4299125	SEAL, O RING	9.74	7.70
1	3685556	GASKET, ADAPTER	15.56	12.32
1	3678756	SEAL, O RING	12.24	9.73
1	4393089	CUM GEAR HOUSING GASKET	9.01	7.13
1	3680882	SCREW, CAPTIVE WASHER, CAP	80.61	71.98
1	3686368	SEAL, RECTANGULAR RING	6.95	5.50
1	4299124	SEAL, O RING	10.92	8.69
5	3683814	SEAL, O RING	11.78	9.33
1	3685173	SEAL, OIL	2.61	10.05
2	3963983	WASHER, SEALING	66.45	59.50
1	3678724	SEAL, O RING	2.73	4.32
1	4059172	SEAL, O RING	3.93	3.11
1	5484100	SHAFT, IDLER	7.71	6.10
1	3688398	TUBE, FUEL SUPPLY	88.42	79.58
1	3688089	TUBE, FUEL SUPPLY	71.80	64.63
1	BDT39107	GR. 8 HX	86.76	78.10
2	2866636	GASKET, AFM DEVICE	1.35	0.71
1	4966441	GASKET, EXH OUT CONNECTION	11.91	18.94
1	5440813	GASKET, ACC DRIVE SUPPORT	18.22	14.49
			14.92	11.87

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MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	

(SIGNED) DEALER, GENERAL MANAGER OR AUTHORIZED PERSON (DATE)

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INVOICE

PAGE 2

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SERVICE ADVISOR

12 KENWORTH W900		VIN 1NKWX4EXXCJ309622		LICENSE	MILEAGE IN / OUT 633991/633991	TAG T622
DEL. DATE 01JAN12 DD	PROD. DATE	WARR. EXP.	PROMISED 17:00 15FEB21	PO NO. 709	RATE	PAYMENT CHG
R.O. OPENED	READY	OPTIONS: ENG:79476818 1) ISX15			CM2250	
07:51 15FEB21	12:14 26FEB21	CPL3491			26FEB21	

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
4	3102651	SCREW, HEX	FLANGE HEAD CAP		3.32		10.56
25	BDTC24706	CABLE	TI		0.15		2.00
2	TEC806S1	SPLIT LOOM	3/8INID-100FT		0.23		0.46
2	449632C1	CONDUIT CABLE	50 ROLL 13MM ID		0.97		1.36
2	TEC804S1	SPLIT LOOM	1/4INID-100FT		0.21		0.42
1	FF5776	F COMB.			87.77		35.51
1	LF14000NN	FILTER LUBE OIL			79.98		32.35
1	4988280	GASKET, HYDRAULIC PUMP			3.88		3.09
1	7051017	GY51028 CLMP			2.98		2.98
4	6PELHD5050	ANTI 50/50RED			10.83		43.32
1	705-1508	CT45300 3" CLMP			8.68		8.68
2	420 QT	DEXTRON CQ420			6.10		5.62
5	15W40RAG	GAL			28.04		89.55
1	BDT44187	MET CLAS			0.18		0.09
12	REPLACE CRANK ADAPTER						
	135	CP	8.00				
1	3680542	GEAR, CRANKSHAFT			454.95		1000.00
1	4965400	ADAPTER, CRANKSHAFT			597.40		360.20
1	3689001	RING, SPEED INDICATOR			87.76		597.40
12	REPLACE ROD BEARINGS, MAIN BEARINGS/ OIL PUMP						69.79
	135	CP	7.60				
6	4089405	SET, ROD BEARING (STD)			80.71		988.00
1	5406110	KIT, MAIN BEARING			326.06		372.90
1	4026684	GASKET, OIL PAN			233.97		258.16
48	15W40RA	15-40 ROT QT			5.58		185.25
-1	5599284RX	CORE RETURN			726.54		192.00
1	5599284RX	PUMP, LUBRICATING OIL			726.54		-126.50
	CORE CHARGE C						559.87
12	REPLACE OIL COOLER ELEMENT						126.50
	135	CP	8.80				
1	4955831	KIT, OIL COOLER			457.58		1144.00
1	4376196	KIT, OIL COOLER REPAIR			88.76		362.29
4	5486657	GASKET, EXHAUST MANIFOLD			17.10		70.27
1	3682940	GASKET, EXHAUST MANIFOLD			18.75		54.40
							14.84

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

(SIGNED) DEALER, GENERAL MANAGER OR AUTHORIZED PERSON (DATE)

CUSTOMER SIGNATURE

231117

INVOICE

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SERVICE ADVISOR

12 KENWORTH W900		VIN 1NKWX4EXXCJ309622		LICENSE	MILEAGE IN / OUT 633991/633991	TAG T622
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT
01JAN12 DD			17:00 15FEB21	709		CHG
R.O. OPENED		READY		OPTIONS: ENG:79476818 1) ISX15		CM2250
07:51 15FEB21		12:14 26FEB21		CPL3491		

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
2	4973532	GASKET, OIL COOLER CORE			8.78		13.90
15	TROUBLESHOOT/REPLACE HP PUMP						
	135	CP		3.20			416.00
1	4359487PX	PUMP, FUEL			4280.62		3391.98
	CORE CHARGE C						379.50
-1	4359487PX	CORE RETURN			4280.62		-379.50
1	5414049	GASKET, FUEL PUMP			25.75		22.81
4	3963988	WASHER, SEALING			4.23		13.44
2	3963991	WASHER, SEALING			5.54		8.82
9	RECOVER/VAC AND CHARGE AC						
	135	CP		1.60			208.00
3	ATD3601	O-RING			2.01		6.03

PARTS: 8987.44 LABOR: 7032.00 OTHER: 0.00 TOTAL LINE A: 16019.44

633991 CONNECT TO UNIT AND CHECK FAULTS, ENGINE HAS 559 FAULT CODE, FUEL SYSTEM FAULT. CHECK INJECTORS, OK, CHECK VALVE, OK, FUEL DECAY, OK, FOUND HP PUMP FAILED. REMOVE HIGH PRESSURE PUMP HEAD AND FOUND NUMBER ONE TAPPET MISSING ROLLER. DRAIN OIL, REMOVE OIL PAN, STIFFENER PLATE, SUCTION TUBE AND OIL PUMP. FOUND PUMP PARTS IN PAN, CHIPS IN TONE WHEEL GEAR, LOWER SCISSOR GEAR DAMAGED AND FUEL PUMP IDLER DAMAGED. RECOVER FREON, DRAIN COOLANT, REMOVE CHARGE AIR, CONDENSER AND RADIATOR. REMOVE FAN, FAN HUB, IDLERS, ALTERNATOR, AC COMPRESSOR, MOUNT TREE, DAMPER, FRONT MAIN SEAL, FRONT COVERS. PIN AND WEDGE ENGINE. REMOVE CAM GEARS, FRONT GEAR TRAIN, AIR COMPRESSOR, POWER STEERING PUMP, FRONT MOTOR MOUNTS AND GEAR HOUSING. DRILL, WEDGE AND REMOVE CRANK SHAFT ADAPTER AND TONE WHEEL. CLEAN ALL AND INSPECT ALL PARTS. FOUND INNER GEAR HOUSING WORN. BAKE AND INSTALL NEW CRANK SHAFT ADAPTER. ASSEMBLE FRONT OF ENGINE WITH NEW INNER HOUSING, NEW GASKETS, SEALS AND O RINGS AS REQUIRED. ADJUST GEAR LASH. DUE TO METAL DEBRIS IN ENGINE, UNIT NEEDS NEW OIL COOLER BUNDLE, ROD AND MAIN BEARINGS, AND LUBE PUMP. REMOVE TURBO, EGR LINES, OIL FILTER AND OIL COOLER ASSEMBLY. INSTALL NEW OIL COOLER BUNDLE, ASSEMBLE WITH NEW GASKETS, SEALS AND O RINGS. INSTALL NEW ROD, MAIN AND THRUST BEARINGS. ASSEMBLE ENGINE, REPLACE OIL FILTER AND FUEL FILTERS, FILL WITH NEW ENGINE OIL. INSTALL RADIATOR, CHARGE AIR AND CONDENSER. FILL AND BLEED COOLANT, VAC AND

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

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CUSTOMER SIGNATURE

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VIN		LICENSE		MILEAGE IN / OUT		TAG	
12 KENWORTH W900		1NKWX4EXXCJ309622		633991/633991		T622	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
01JAN12 DL			17:00 15FEB21	709		CHG	26FEB21
R.O. OPENED		READY		OPTIONS: ENG:79476818 1) ISX15		CM2250	
07:51 15FEB21		12:14 26FEB21		CPL3491			

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
CHARGE AC.	STEAM CLEAN,	ROAD TEST AND RELEASE FOR SERVICE.					

CUSTOMER PAY	ENVIRONMENTAL FOR REPAIR ORDER					75.00	
ITS BEEN A PLEASURE WORKING WITH YOU							

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= 45-315
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PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	16813.43

(SIGNED) DEALER, GENERAL MANAGER OR AUTHORIZED PERSON (DATE)

CUSTOMER SIGNATURE

226469

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VIN				LICENSE	MILEAGE IN / OUT	TAG	
12	KENWORTH W900		1NKWX4EXXCJ309622		460996/460996	T622	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
01JAN12 DD			17:00 27FEB18			CHG	16MAR18

R.O. OPENED	READY	OPTIONS:	ENG:79476818 1) ISX15	CM2250
10:38 27FEB18	10:49 16MAR18	CPL3491		

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
------	--------	------	------	-------	------	-----	-------

A-LOW OIL PRESSURE

12 REBUILD ENGINE

4	CP	39.84					
134	CP	0.16					
		40.00					1800.00
2	ZDEM720	ADDITIVE		3.50		7.00	
1	07447	PAD		1.63		1.63	
1	07448	3M ULTA FINE		2.00		2.00	
4	07480	PAD		2.09		8.36	
1	105	ASSBY LUBE		11.63		11.63	
1	3824510	CLEANER, QD CONTACT		30.94		23.56	
2	3885910	PAINT		16.79		25.56	
1	51813	ANEROBIC SEALER		11.01		11.01	
1	3823718	COMPOUND, RETAINING		46.01		35.03	
1	ZBL3500107	HEATER		116.64		65.66	
1	4376177	KIT, OVERHAUL		6260.02		1977.87	
1	FRT	FREIGHT		472.04		472.04	
6	3687058	NOZZLE, PISTON COOLING		13.87		66.18	
6	4089405	SET, ROD BEARING (STD)		73.20		347.70	
1	4318947	THERMOSTAT		64.84		51.56	
1	186780	SEAL, THERMOSTAT		16.16		12.79	
1	3682673	GASKET, THM HOUSING COVER		22.34		17.69	
1	4985660	SEAL, RECTANGULAR RING		6.88		6.52	
1	2881766	KIT, LOWER ENGINE GASKET		726.87		577.99	
1	5394198RX	HEAD, CYLINDER		7775.61		1441.03	
	CORE CHARGE C					695.75	
-1	5394198RX	CORE RETURN		695.75		-695.75	
1	4309500RX	KIT, LUBRICATING OIL PUMP		849.57		485.23	
	CORE CHARGE C					126.50	
-1	4309500RX	CORE RETURN		126.50		-126.50	
1	3688012	TUBE, LUB OIL DRAIN		37.55		29.86	
1	3684359	GASKET, EXH OUT CONNECTION		11.20		8.91	
1	3102109	SEAL, O RING		4.01		3.17	
1	3885910	PAINT		16.79		12.78	

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DESCRIPTION

TOTALS

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

(SIGNED) DEALER, GENERAL MANAGER OR AUTHORIZED PERSON (DATE)

CUSTOMER SIGNATURE

MAR 22 2018

226469

INVOICE

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SERVICE ADVISOR

VIN		LICENSE		MILEAGE IN / OUT		TAG	
12 KENWORTH W900		1NKWX4EXXCJ309622		460996/460996		T622	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
01JAN12 DD			17:00 27FEB18			CHG	16MAR18
R.O. OPENED		READY		OPTIONS:		ENG:79476818 1) ISX15 CM2250	
10:38 27FEB18		10:49 16MAR18		CPL3491			

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
12	R&R	ENGINE					
		4	CP	28.00			3360.00
2	12447	TBG	SUPPORT		497.11		852.20
1	TM306	FF	PILOT BRG		22.82		22.82
1	BDTKP60780	1	4TX1.8		9.18		4.82
1	BDT11090	COUPLING			1.86		0.98
3	6PELHD5050	50/50	RED ANTI		12.23		36.69
48	15W40RA	15-40	ROT QT		5.58		189.12
15	BDTC24706	.187X14	CBL TIE		0.30		4.50
1	GY51024	CLAMP RAD HOSE	7/8" TO 1 3/8"		3.89		2.52
2	AF27948	FILTER, AIR	FILTER		159.78		131.28
15	BDTC24707	14.5X.300	TIE		0.37		5.55
1	GY51040	CLAMP RAD HOSE	1" TO 2 1/4"		7.56		4.91
2	BDTPF00040	PKR PTC DOT UNION	-4 TUBE X -4		8.07		8.48
2	VV353	ATF			7.97		14.22
1	420 QT	DEXTRON	CQ420		6.10		2.69
	CORE CHARGE	C					0.01
1	BDT23845	TERM-	BO		0.82		0.82
1	FS19764	FILTER FUEL/WATER	10 M CRTRIDG		36.86		15.03
1	90-0012	4"V CLMP	PETERB		16.38		16.38
1	2880215	GASKET, AFM	DEVICE		14.68		11.67
1	90-0013	5"V CLMP	PETERB		18.24		18.24
6	BDT36708	HARDENED			0.42		1.32
2	BDTMP36787	BOWMA-GR			3.72		3.90
1	ZGG19141	KW GD11350	DRIER		37.11		33.14
1	K210-883	CL SHFT			63.00		60.75
1	697924R6	FORK			48.36		48.36
1	CV50634-MF	ELEMENT, CV			69.65		62.19
1	FRT FREIGHT	49-32			19.15		19.15
2	05-16401	MOUNT			40.40		72.16
4	W34-1095-070	BOLT			3.67		13.12
1	WF2127	FILTER WATER			52.63		21.29
9	REPLACE AC COMPRESSOR/CONDENSER						
	4	CP	2.40				288.00

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INVOICE

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SERVICE ADVISOR

			VIN	LICENSE	MILEAGE IN / OUT	TAG	
12 KENWORTH W900			1NKWX4EXXCJ309622		460996/460996	T622	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
01JAN12 DD			17:00 27FEB18			CHG	16MAR18
R.O. OPENED		READY	OPTIONS: ENG:79476818 1) ISX15			CM2250	
			CPL3491				

10:38 27FEB18 10:49 16MAR18

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
1	LE0122		COMPRESSOR/AC		301.00		258.00
1	F50-17920345		HOSE		124.40		111.08
9	RECOVER/VAC AND CHARGE						
	4	CP	1.60				192.00
2	ESTER ESTER OIL				6.18		12.36
64	R134A 1 OZ.	R134A			0.67		42.88
12	CUT BLOCK						
	135	CP	10.00				1200.00
6	5298564	SHIM			49.64		236.82
PARTS: 14042.21 LABOR: 9840.00 OTHER: 0.00				TOTAL LINE A:		23882.21	

4 UNIT CAME IN WITH A LOW OIL PRESSURE COMPLAINT. CHECK FOR OIL LEVEL, DIP STICK CALIBRATION, MONITOR OIL PRESSURE WITH A MANUAL GAUGE, AND DATA MONITOR. CHECKS OK. FOUND ENGINE OIL LEAKS. CONNECT A MONOMETER GAUGE. TEST BLOW BY AT FULL THROTTLE AND ROAD TEST. UNIT HAD 26 IN OF WATER. BRING UNIT BACK INTO SHOP. DRAIN ENGINE OIL AND COOLANT. RECOVER FREON. NO FREON BECAUSE OF DAMAGED LINE AND A/C COMPRESSOR. REMOVE HOSES, COOLANT LINES, ELEC HARNESSSES, STARTER CABLES, MOTOR MOUNTS, HAD TO CUT FRONT MOTOR MOUNT BOLTS, REMOVE BELL HOUSING BOLTS, LINKAGE, PTO SHAFT, AIR TUBING, RADIATOR ASSY, FAN BLADE, FAN SHROUD, EXHAUST PIPING AFTER TURBO, AIR LINES, FUEL LINES, OIL PAN, SUCTION TUBE, STIFFENER PLATE, P/S HOSES AND CANISTER, AND AIR LINES. REMOVE MOTOR. REMOVE ALL ENGINE PARTS, FLYWHEEL HOUSING, ALL GEARS, AIR COMP, FUEL PUMP, INNER FRONT COVER, FRONT AND REAR MAIN SEALS. CUT ALL SIX HOLES ON CYLINDER BLOCK BECAUSE OF UNEVEN SEATS. STRIP ENGINE BLOCK OF ALL PARTS. CLEAN BLOCK. WHILE ENGINE WAS OUT, REPLACE FRONT AND REAR MOTOR MOUNTS. REPLACE RELEASE FORK AND CROSS SHAFT BECAUSE OF DAMAGED SHAFT. CLEAN BELL HOUSING SURFACES. REMOVE CRANKSHAFT FROM ENGINE AND STEAM CLEAN BLOCK AND INNER SURFACE. REBUILD ENGINE WITH NEW PISTONS, LINERS, ROD, MAIN AND THRUST BEARINGS, RE MAN CYLINDER HEAD, RE MAN OIL PUMP. ALL GASKETS, SEALS AND O RINGS AS REQUIRED, NEW THERMOSTATS AND SEALS, NEW BLOCK HEATER, NEW STYLE COOLING NOZZLES. USED ORIGINAL CLUTCH. INSTALL ENGINE, CONNECT ALL ELEC AND PARTS. FOUND EXHAUST CLAMP MISSING ON SCR OUTLET. REPLACE CLAMP. REMOVE CLUTCH LINKAGE AND FREE UP. REPLACE ALL MOTOR MOUNTS, FILL OIL.

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PAGE 4

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LINE OPCODE TECH TYPE HOURS LIST NET TOTAL

FILL COOLING SYSTEM. REPLACE ALL FILTERS, CRANKCASE FILTER, AND BOTH AIR FILTERS ON OUTSIDE OF CAB. WHILE CHARGING A/C SYSTEM AFTER REPLACING A/C COMPRESSOR, RECEIVER DRYER AND ONE A/C HOSE FROM FIREWALL TO A/C COMPRESSOR, FOUND CONDENSER WITH A HOLE BECAUSE OF GRILL TO CLOSE. MOUNT GRILL OUT WORDS SO IT WOULDN'T TOUCH. ROAD TEST; OK. CUSTOMER SUPPLIED A/C CONDENSER. INSTALL IT AND PERFORM A VAC. CHARGE 4 LBS FREON AND 2 OZS OIL. USE LEAK DETECTOR; TESTS OK. CHECK COOLANT AND OIL; OK. RELEASE FOR SERVICE.

CUSTOMER PAY ENVIRONMENTAL FOR REPAIR ORDER 75.00

ITS BEEN A PLEASURE WORKING WITH YOU

709
45-315
3-18-18
PC
TW

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PLEASE PAY THIS AMOUNT	25080.58

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