

# CENTRAL

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## POWER SYSTEMS & SERVICES

**Total Due: \$ 9,781.39**  
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**BILL TO**  
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 HUTCHINSON KS 67501  
 P: (620) 200-3414

**DELIVER TO**  
 CHARLIE RUBLE - 28684  
 2513 S. BONEBRAKE  
 HUTCHINSON KS 67501  
 P: (785) 825-8291

### SERVICE INVOICE: R105004908:01

DATE ARRIVED	DATE INVOICE	SALES TYPE	ADVISOR	TERMS	CUSTOMER REFERENCE			
11/5/2021 12:09:41PM	12/17/2021	SDR	Spohn	CHECK	PD 9781.39 CK#1074			
YEAR	MAKE	MODEL	VIN	CUSTOMER UNIT #	ENGINE HOURS	IN SERVICE	Component Serial #	ODOMETER
1996	FREIGHTLINER	FLD120	UYOZYB6TP736172	4	0			279188

#### Sold Operations

#### JOB #1 02-00 ENGINE

**COMPLAINT** ENGINE DIAGNOSE AND REPAIR FOR PUSHING COOLANT FROM RADIATOR, OIL IN RADIATOR. OIL COOLER HAS BEEN REPLACED TWICE  
 CHARLES 620-200-3414

**CAUSE** #6 CYLINDER/WATER PUMP

**CORRECTION** PULL UNIT INTO SHOP REMOVE OIL PAN AND PRESSURE COOANT SYSTEM. FOUND #6 CYLINDER LEAKING AROUND LINER. ALSO FOUND WATER PUMP LEAKS. CONTACT CUSTOMER WITH FINDINGS.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 103-010EE	COOLANT LOSS DIAGNOSTICS		243.60
	LABOR 939-1000A	ADVANCED DIA TIME/REMOVE PAN AND PRESSURE S		395.85

Prepay: \$0.00 Parts: \$0.00 Labor: \$639.45 Misc: \$0.00 Sublet: \$0.00 \$639.45

#### JOB #2 02-00 ENGINE

**COMPLAINT** COUNTER BORE

**CAUSE** OUT OF ROUND

**CORRECTION** WHILE CLEANING AND INSPECTING ENGINE AFTER TEAR DOWN, FOUND COUNTER BORES ARE OUT OF SPEC. COVER CYLINDERS AND SET UP TOOLS PERFORM COUNTER BORE CUTTING STEPS AS PER MANUAL AND INSTALL NEW COUNTER SLEEVES. VACUUM DEBRIS UP CLEAN SURFACE AND REMOVE TOOLS AND CYLINDER COVERS.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 101-6107E	CYLINDER BORE - REWORK COUNTER BORE (ALL)		1,160.00
1	105D/3HV17	PRIMER	39.29	39.29
6	105D/DDE 23525500	C/B SLEEVE	39.79	238.74
1	105X/PT-2000-109	CUTTER ASSEMBLY CUTTER ASSEMBL	84.21	84.21

Prepay: \$0.00 Parts: \$362.24 Labor: \$1,160.00 Misc: \$0.00 Sublet: \$0.00 \$1,522.24

# CENTRAL

## POWER SYSTEMS & SERVICES

SERVICE INVOICE: R105004908:01

**Sold Operations (Cont.)**

**JOB #3 02-00 ENGINE**

COMPLAINT STEP ONE O/H  
 CAUSE #6 LINER

CORRECTION DRAIN ALL FLUIDS, REMOVE TANKS AND BRACKETS OVER TOP OF ENGINE. REMOVE AIR INTAKE PIPING, REMOVE ROCKER COVER, JAKES, ROCKERS, COOLANT LINES, INJECTORS, HARNESS AND FUEL LINES. UN BOLT AND REMOVE HEAD. CLEAN AND INSPECT DECK AND HEAD SURFACE, FOUND HOLE TUBES NEED REPLACED. REMOVE ROD CAPS AND REMOVE CYLINDERS FROM ENGINE. CLEAN AND INSPECT ALL PARTS FOUND COUNTER BORES NEED RE WORKED AND CONTACTED CUSTOMER. REMOVE AND REPLACE MAIN BEARINGS. INSTALL LINERS AND MEASURE LINER HIGHTS. MARK PER CYLINDER AND REMOVE, BUILD CYLINDER KITS AND INSTALL IN ENGINE WITH ALL NEW ROD BEARINGS. TORQUE TO SPEC AND VERIFY PROPER LINER HIGHTS. INSTALL CYLINDER HEAD WITH ALL NEW SEALS GASKETS AND CAM BEARINGS. TORQUE TO SPEC, INSTALL INJECTORS AND ROCKER ASSY'S TORQUE AND RUN OVERHEAD. INSTALL JAKE BRAKES, TORQUE AND SET JAKE BRAKE LASH. INSTALL HARNESS, RECONNECT ALL FUEL LINES AND INSTALL NEW THERMOSTATS. TORQUE HOUSING AND RECONNECT ALL COOLANT LINES. REMOVE AND REPLACE OIL PRESSURE REGULATOR AND RELIEF VALVES, REINSTALL OIL PICK UP TUBE AND PUMP THAT WAS REMOVE TO GAIN ACCESS TO ROD CAP BOLTS TORQUE ALL BOLTS AND RE INSTALL OIL PAN. INSTALL ROCKER COVER, RECONNECT AND INSTALL ALL PIPES, LINES AND COOLANT TANK. TORQUE ALL BOLTS AND FILL ENGINE WITH FLUIDS. START TRUCK AND CHECK FOR LEAKS. TEST DRIVE TRUCK TO VERIFY PROPER OPERATION, RECHECK FLUID LEVELS AND RETURN TO SERVICE.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
6	105D/DDE 05104701	SEAL RING	3.49	20.94
12	105D/DDE 05234699	RING	4.50	54.00
6	105D/DDE 05234702	RING	7.23	43.38
1	105D/DDE 08929102	GASKET	42.63	42.63
4	105D/DDE 08929169	WASHER	1.74	6.96
38	105D/DDE 08929328	WASHER	1.60	60.80
6	105D/DDE 08929393	M--BOLT	2.17	13.02
4	105D/DDE 11506101	NUT	0.56	2.24
1	105D/DDE 23504851	M--BOLT	27.99	27.99
1	105D/DDE 23509543	SEALER ULTRA	12.14	12.14
6	105D/DDE 23511870	SEAL	12.57	75.42
1	105D/DDE 23512901	VALVE ASSY	56.43	56.43
1	105D/DDE 23516322	GASKET	39.11	39.11
10	105D/DDE 23517242	ISOLATOR	4.37	43.70
1	105D/DDE 23528691	ELBOW ASSY	88.73	88.73
1	105D/DDE 23529351	STUD/SEAL KT	14.61	14.61
1	105D/DDE 23531605	L/END BRGKT	396.97	396.97
2	105D/DN 23530573	ELEMENT-OIL FILTER	16.27	32.54
1	105D/DN P153551	AIR FILTER	80.39	80.39
1	105D/DN P556915	FUEL FLTR	10.11	10.11
1	105D/DN P556916	FUEL FILTER	10.31	10.31
12	105D/OWI 23519396	PWRCLPLS	8.90	106.80
10	105X/3102134	15W40 OIL CK-4	12.10	121.00
	LABOR 99.10-01	STEP UP 1 OVERHAUL		3,780.00
1	FRT	FREIGHT	30.71	30.71

Prepay: \$0.00 Parts: \$1,360.22 Labor: \$3,780.00 Misc: \$30.71 Sublet: \$0.00 \$5,170.93

# CENTRAL POWER SYSTEMS & SERVICES

SERVICE INVOICE: R105004908:01

### Sold Operations (Cont.)

#### JOB #4 02-00 ENGINE

COMPLAINT R&R WATER PUMP  
 CAUSE LEAKING  
 CORRECTION REMOVE AND REPLACE COOLANT PUMP AND HOSES DUE TO LEAKING AT TIME OF COOLANT SYSTEM PRESSURE TEST. TORQUE TO SPEC AND PUT AWAY ALL SERVICE TOOLS.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 103-6100E	WATER PUMP - R/R		145.00
2	105D/DDE 08929875	HOSE	13.83	27.66
2	105D/DDE 23506325	M--HOSE	14.31	28.62
1	105D/DDE R23539929	WATER PUMP S60 12L	399.30	399.30
0	105D/DDE R23539929-CORE	WATER PUMP S60 12L	130.00	0.00
3	105D/FLF FLX5526 0017	HOSE-3/4ID,HEATER,25FT ROLL	3.20	9.60
1	105D/FLF FRE5515 250C TEMP	SLEEVE HOSE SLV SDR BLU 2.50IN	16.01	16.01
2	105X/HC10	"Clamp- 9/16""- 9/16""- 1 1/16	0.76	1.52
4	105X/HC32	"Clamp- 9/16""- 1 9/16""- 2 1/	0.84	3.36
4	105X/SHC40	"Clmp9/16"" wide-2 1/16""-3""	1.74	6.96
4	105X/SHC48	"Clmp9/16"" wide-2 9/16""-3 1/	1.85	7.40

Prepay: \$0.00 Parts: \$500.43 Labor: \$145.00 Misc: \$0.00 Sublet: \$0.00 **\$645.43**

#### JOB #5 02-00 ENGINE

COMPLAINT R&R HOLE TUBES  
 CAUSE SEATS WARN  
 CORRECTION REMOVE AND REPLACE ALL 6 FUEL INJECTOR HOLE TUBES. CUT AND MEASURE INJECTOR DEPTH, REAM AND SEAT TO SPEC.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 101-6213E	INJECTOR CUP R/R (ALL)		580.00
9	105D/DDE 23501580	INJ HOLEKIT	16.13	145.17

Prepay: \$0.00 Parts: \$145.17 Labor: \$580.00 Misc: \$0.00 Sublet: \$0.00 **\$725.17**

#### Sold Operations Totals

Prepay: \$0.00 Parts: \$2,368.06 Labor: \$6,304.45 Misc: \$30.71 Sublet: \$0.00 **\$8,703.22**

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	ESTIMATED	BILLED
LABOR		\$6,304.45
PARTS		\$2,368.06
MISC		\$30.71
SUBLET		\$0.00
PREPAY		\$0.00
<b>SUBTOTAL</b>		<b>\$8,703.22</b>

SHOP SUPPLIES \$250.00  
 TAX \$828.17  
**TOTAL \$9,781.39**

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