

BEN FISHER

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6RE114595 S 60

EQUIPMENT MAKE FREIGHTLINER

EQUIPMENT MODEL FLD 120

ENGINE MAKE DETROIT DIESEL

ENGINE MODEL NUMBER 6067BK60

EQUIPMENT S/N (VIN) 1FUYDSZBOXPB20823

Arrival Time: 2/02/17 6:45 Close Time: 2/14/17 14:53

*****SET UP*****

ENG HRS: VEH MILES: 348144 TRUCK#: 4

INHIBITOR LEVEL(in) PPM KEY#:

INHIBITOR LEVEL(out) PPM FREEZE PROTECTION: (f)


NEW OR REPLACEMENT SERIAL# INJEC SER# R4594574.00,R4594457.
31,R4594879.22,R4594867.29,R4594801.29,R4588575.81

FINAL INSPECTION VERIFIED BY:

COMPLAINT: CRANKS WILL NOT START

CAUSE: BAD INJECTORS,BULL GEAR

CORRECTION: TOWED UNIT INTO SHOP AND PLUGGED LAPTOP IN
FINDING CODE FOR SRS SENSOR. REMOVED AND INSTALLED NEW SRS
AND TRS SENSOR. STILL WOULD NOT START. CHECKED WIRING AND
REMOVED AND INSTALLED NEW ENGINE HARNESS. TRIED STARTING AND
UNIT STILL WOULD NOT START. INSTALLED TEST ECM AND USED
BREAK OUT BOX AND UNIT STARTED. REPROGRAMMED NEW ECM AND
INSTALLED. TRIED STARTING UNIT AND UNIT STILL WOULD NOT
START. REMOVED ACCESSORY DRIVE AND CHECKED BULL GEAR.
FOUND MAIN GEAR RUBBING ON FRONT COVER. REMOVED RADIATOR,
CAC AND ALL PARTS FROM GEAR COVER AND GEAR CASE. DRAINED OIL
AND REMOVED PAN,MOTOR MOUNTS, FRONT COVER AND BULL

TOTAL UNITS	PART TOTAL	CORE TOTAL	FREIGHT	HANDLING	OTHER	TAX
ICE IS DUE IN FULL 30 DAYS FROM THE DATE OF INVOICE. ALL PAST DUE ACCOUNTS WILL BE CHARGED INTEREST AT 1 1/2% PER MONTH. (18% PER ANNUM) ALL RETURNED GOODS MUST BE ACCOMPANIED BY ORIGINAL INVOICE AND ARE SUBJECT TO A RESTOCK CHARGE. NO CREDIT OR REFUND WILL BE GIVEN ON INSTALLED PARTS. ABANDONED VEHICLES ARE SUBJECT TO A DAILY TOWAGE FEE OF UP TO \$50.00 PER DAY AND AFTER 30 DAYS WILL BE TOWED AT OWNER'S EXPENSE.						
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STILL NO START. INSTALLED REMAN ECM AND FLASHED TO DETROIT
SER NUMBER UNIT STILL WOULD NOT START. REMOVED AND INSTALLED
CLEANER HOUSING, VALVE COVER, JAKES, ROCKER ARMS AND REMOVED
ALL SIX INJECTORS. INSTALLED SIX NEW REMAN INJECTORS AND
.026. INSTALLED JAKES SET TO .023 AND INJECTOR HEIGHTS TO
80.3. CLEANED AND INSTALLED VALVE COVER AND INSTALLED CATS
TO ECM. TRIED STARTING AND UNIT STARTED. INSTALLED ALL
REMOVED PARTS AND STEAMED OFF ENGINE. TEST DROVE UNIT AND
UNIT RAN GOOD AND STARTED EACH TIME TRIED.

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PO BOX 37
TRIBUNE KS 67879

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Part Number	Description	Ret	Qty	Each	Core	Total
0 23522323	HARNESS		1			

Operation	Description	Seq	Price
02-6130E	INJECTOR (WITH JAKE BRAKE) - R&R (ONE)	4	

Part Number	Description	Ret	Qty	Each	Core	Total
0 23511870	SEAL		6	0		
0 DDE R5237650S	EUI INJ 6		1	0		
0 DDE 05104701	SEAL RING		6	0		
0 DDE 08929393	M--BOLT		6	0		
0 DDE R5237650S	EUI INJ 6	C	1-			

Operation	Description	Seq	Price
ALL MAKES	ALL MAKES	5	

Part Number	Description	Ret	Qty	Each	Core	Total
FLF FRE5515 250A	HOSE 3 FT PIECE		1			
DCO 80234GL	HEATER HOSE H.		3			
M17341	FRT RADIATOR MT		2			
F1	0659167 FREIGHT		1			
PH 831 6 300	HOSE		3			
23512138	GAL 6/CS CLT		1			

Operation	Description	Seq	Price
.52-00	BULL GEAR - R&R	6	

Part Number	Description	Ret	Qty	Each	Core	Total
R23513559	BULL GEAR		1			
08929448	BOLT		4			
23535849	NUT		3			
TLB 13371 55	ISOLATOR-BTM OR		2			
TLB 13371 45	ISOLATOR		2			

TOTAL UNITS	PART TOTAL	CORE TOTAL	FREIGHT	HANDLING	OTHER	TAX

THIS IS DUE IN FULL 30 DAYS FROM THE DATE OF INVOICE. ALL PAST DUE ACCOUNTS WILL BE CHARGED INTEREST AT 1 1/2% PER MONTH. (18% PER ANNUM) ALL RETURNED GOODS MUST BE ACCOMPANIED BY ORIGINAL INVOICE AND ARE SUBJECT TO A RESTOCK CHARGE. NO CREDIT OR REFUND WILL BE GIVEN ON INSTALLED PARTS. ABANDONED VEHICLES ARE SUBJECT TO A DAILY TOWING FEE OF UP TO \$50.00 PER DAY AND AFTER 30 DAYS WILL BE TOWED AT OWNER'S EXPENSE.

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Part Number	Description	Ret	Qty	Each	Core	Total
0 R23513559	BULL GEAR	C	1-			

Operation	Description	Seq	Price
1.34-00	GEAR CASE COVER - R&R	7	
	S60E7: 013200, 013600, 013800, 015005		
	047000, 051001, 053000, 053004, 071000,		
	071001, 111000, 124000, 125000		

Part Number	Description	Ret	Qty	Each	Core	Total
0 23518355	SEAL		1			
D 23513509	SEALANT GSKT		1			
D 23516100	GASKET		1			
0 08929585	BOLT		1			

Operation	Description	Seq	Price
04-6700E	OIL PAN & GASKET R&R	8	

Part Number	Description	Ret	Qty	Each	Core	Total
0 23517242	ISOLATOR		10			
0 08929102	GASKET		1			
M MBL 23512704	DDC DELVAC 1300		10			
M DN P552100	LUBE SPIN		2			

Miscellaneous Charge	Price
SHOP SUPPLIES/EPA	

Labor Total

Misc. Total

70

TOTAL UNITS	PART TOTAL	CORE TOTAL	FREIGHT	HANDLING	OTHER	TAX

PRICE IS DUE IN FULL 30 DAYS FROM THE DATE OF INVOICE. ALL PAST DUE ACCOUNTS WILL BE CHARGED INTEREST AT 1 1/2% PER MONTH. (18% PER ANNUM.) ALL RETURNED GOODS MUST BE ACCOMPANIED BY ORIGINAL INVOICE AND ARE SUBJECT TO A RESTOCK CHARGE. NO CREDIT OR REFUNDS WILL BE GIVEN ON INSTALLED PARTS. ABANDONED VEHICLES ARE SUBJECT TO A DAILY STORAGE FEE OF UP TO \$50.00 PER DAY AND AFTER 30 DAYS WILL BE TOWED AT OWNER'S EXPENSE.

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BEN FISHER

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5/09/2017

18:14:00

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5RE114595 S 60

EQUIPMENT MAKE FREIGHTLINER
EQUIPMENT MODEL FLD 120
ENGINE MAKE DETROIT DIESEL
ENGINE MODEL NUMBER 6067BK60
EQUIPMENT S/N (VIN) 1FUYSZBOXPB20823

Arrival Time: 5/01/17 9:45 Close Time: 5/09/17 10:57

*****SET UP*****

ENG HRS: VEH MILES: 362663 TRUCK#: 4
INHIBITOR LEVEL(in) PPM KEY#:
INHIBITOR LEVEL(out) PPM FREEZE PROTECTION: (f)
NEW OR REPLACEMENT SERIAL # ENG SERIES
FINAL INSPECTION VERIFIED BY:

COMPLAINT: A/C LEAKING FREON, FUEL WILL NOT DRAIN FROM PASS
SIDE TANK, LEAK AT DIFF AND BATTERY SHUT OFF WILL NOT WORK

CAUSE: A/C LINE, VALVE SHUT OFF AT TANK, NEW BATTERY SHUT
OFFS AND RESEALED DIFF.

CORRECTION: PULLED UNIT INTO SHOP AND HOOKED UP A/C MACHINE
AND RECOVERED .24LBS OF FREON. VACCUMED SYSTEM FINDING A/C
LINE FROM COMPRESSOR TO CONDENSOR LEAKING FREON. REMOVED
AND INSTALLED NEW A/C LINE AND RECHARGED A/C SYSTEM WITH
3.7LBS OF FREON. CHECKED A/C OPERATION FINDING IT COOLING
PROPERLY. CHECKED SHUT OFF VALVES FOR FUEL TANKS FINDING
VALVE FOR PASSENGER SIDE WAS SHUT OFF. TURNED VALVE ON.
REMOVED AXLE SHAFTS FROM FRONT DIFF. REMOVED DRIVE LINE.
CUT OUTPUT NUT OFF DUE TO NUT BEING SEIZED. REMOVED FRONT
DIFF. SEPARATED HOUSING AND RESEALED FRONT SECTION. CLEANED
AXLE HOUSING AND RESEALED DIFF AND INSTALLED BACK. INSTALLED

TOTAL UNITS	PART TOTAL	CORE TOTAL	FREIGHT	HANDLING	OTHER	TAX
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INVOICE IS DUE IN FULL 30 DAYS FROM THE DATE OF INVOICE. ALL PAST DUE ACCOUNTS WILL BE
CHARGED INTEREST AT 1 1/2% PER MONTH. (18% PER ANNUM) ALL RETURNED GOODS MUST BE
ACCOMPANIED BY ORIGINAL INVOICE AND ARE SUBJECT TO A RESTOCK CHARGE. NO CREDIT OR
REFUNDS WILL BE GIVEN ON INSTALLED PARTS. ABANDONED VEHICLES ARE SUBJECT TO A DAILY
STORAGE FEE OF UP TO \$50.00 PER DAY AND AFTER 30 DAYS WILL BE TOWED AT OWNER'S EXPENSE.

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BILL TO
BEN FISHER - 19302

DELIVER TO
BEN FISHER - 19302

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SERVICE INVOICE: R106000150:01

DATE ARRIVED		DATE INVOICE	SALES TYPE	ADVISOR	TERMS	CUSTOMER REFERENCE		
18/2018 7:51:50AM		9/24/2018	SDR	Masters	CHECK	PD CHK# 1183 \$3342.59		
YEAR	MAKE	MODEL	VIN	CUSTOMER UNIT #	ENGINE HOURS	IN SERVICE	Component Serial #	ODOMETER
2004	FREIGHTLINER	CONVENTIONAL	1XKDDU9X84J052039	4	0			405188

Sold Operations

JOB #1 00-01 INITIAL ASSESSMENT

COMPLAINT INITIAL ASSESMENT/ CHECK ENGINE LIGHT ON AND LOSES POWER
CAUSE FAULTY INJECTOR/ LEAKING CAC/ LEAKING INTAKE MANIFOLD GASKETS
CORRECTION CUSTOMER COMPLAINT OF LOW POWER. BASE LINED ALL SENSORS BEFORE STARTING UNIT AND BARO PRESSURE SENSOR WAS WAY OFF (15.3 SHOULD BE READING 12.9-13.3) WHICH WILL COMPLETELY SCREW UP THE AIR FUEL RATIO. TEST DROVE UNIT AND UNIT WAS REALLY UNDER POWERED. R&R BARO SENSOR AND TEST DROVE AGAIN AND STILL THE SAME. BROUGHT BACK TO SHOP AND REMOVED OUTLET NECK OF TURBO AND PRESSURED UP AIR SYSTEM FINDING HUGE AIR LOSS AT ALL CAC BOOTS, CAC, AND INTAKE GASKETS (CAC SHOULD HOLD 30 PSI AND THIS ONE WOULD NOT HOLD 15 PSI.)

PD CHK# 1183 \$3342.59

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 00-01	INITIAL ASSESMENT		3342.59
Parts: \$0.00 Labor: Misc: \$0.00 Sublet: \$0.00				

JOB #2 02-01**ENGINE - REPAIR****COMPLAINT**

ENGINE - REPAIR

CAUSE

FAULTY INTAKE GASKETS, CAC, CAC BOOTS, AND BARO PRESSURE SENSOR, #5 FUEL INJECTOR

CORRECTION

REMOVED ALL INTAKE PIPING CAC, AND INTAKE. CLEANED INTAKE AND BLOCK SURFACES. INSTALLED NEW GASKETS AND TORQUE TO 45 FT/LBS. R&R CAC AND ALL BOOTS. TEST DROVE UNIT AGAIN AND THIS TIME UNIT HAD PLENTY OF POWER AND BARO PRESSURE WAS RIGHT IN SPEC OF 13.1. WHILE TEST DRIVING UNIT HAD CODE OF INJECTOR #5 RESPONSE TIME SHORT. CHECKED OVER HARNESS AND DID OHM TEST ON ENGINE HARNESS FINDING NO PROBLEMS. REMOVED AIR CLEANER, RAD SUPPORTS, GEAR CASE BRACKET AND VALVE COVER. REMOVED TWO JAKES AND ROCKER ARMS. BLED ALL FUEL FROM CYLINDER HEAD AND REMOVED #5 INJECTOR. CLEANED HOLE TUBE, RECORDED ALL INFO FROM NEW/OLD INJECTOR, INSTALLED SECONDARY O-RING AND TIP SEAL. LUBED AND INSTALLED INJECTOR AND TORQUE NEW CLAMP BOLT TO 54FTLBS. INSTALLED HARNESS AND ROCKER ARMS TORQUE TO 85FTLBS. INSTALLED JAKES AND WIRES TORQUE TO 90FTLBS. CLEANED AND INSTALLED NEW SEAL ON VALVE COVER AND INSTALLED VALVE COVER. REINSTALLED GEAR CASE SUPPORT, RAD SUPPORTS, AND AIR CLEANER. PRIMED FUEL SYSTEM AND STARTED UNIT. WASHED OFF AND TEST DROVE UNIT AND CODE NEVER RETURNED. CHECKED OVER AGAIN FOR LEAKS AND NONE FOUND. SET OUTSIDE FOR CUSTOMER PICKUP AND CLEANED BAY.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 102-6100E	FUEL INJECTOR R/R (ONE)		
1	106D/DDE 05104701	SEAL RING		
1	106D/DDE 05182977	SEAL RING		
1	106D/DDE 08929393	M--BOLT		
1	106D/DDE 23511870	SEAL		
3	106D/DDE 23517875	GASKET		
1	106D/DDE 23522322	SENSOR ASSY		
2	106D/DDE 23533305	BOLT		
1	106D/DDE 23539103	GASKET		
1	106D/DDE R5237650	EUI		
0	106D/DDE R5237650-CORE	EUI CORE CHG		
1	106D/DHT FR2C	Charge Air Cooler	1	
0	106D/DHT FR2C-CORE	Charge Air Cooler CORE CHG		
4	106D/FLF FRE1020 0001	HOSE-SILICONE/NOMEX 4 x 6.5		
1	106D/PEX 82194	NO.599 ULTRA GREY RTV-D/S		
8	106X/74373	T-BOLT CLAMP W/		
	LABOR 11A-6102E	AIR INLET MANIFOLD R/R		
	LABOR 260-6010A	CAC, R/R		
	C	CHARGE AIR COOLER SER# 529288		
	C	NEW REMAN INJECTOR SER# R4788869 CAL 31		
	C	PAID CHECK #1183 FOR \$3,342.59		

Parts: 1

Labor:

Misc: \$0.00

Sublet: \$0.00

Sold Operations Totals

Parts:

Sublet: \$0.00

\$2,967.89

DISCLAIMER:

	ESTIMATED	BILLED
LABOR		
PARTS		
MISC		
SUBLET		
SUBTOTAL		
SHOP SUPPLIES		
TAX		
TOTAL		\$3,342.59

AUTHORIZED BY _____ DATE _____