

Invoice Number	Invoice Date	Customer Number	Customer P.O. Number
	07/10/09	900100	
Work Order Number	Payment Terms		Due Date
3104604	Cash on Delivery		

**SERVICE ANYTIME, ANYWHERE**

**SALES SERVICE PARTS**

**RENTING-LEASING**

**PERIODIC MAINTENANCE**

Serial Number	46093300806148	Parent Serial Number	46093300806148	Product Model	4067MT6E
Family	DDCMBE4000	Licensed ( On/Off Hyw)		Vehicle ID#	1FUJA6CV25LV30528
Customer Unit Number	74178	Serial No. Description	4067MT6E	Unit Number	
Meter Reading	475,877	Position of Unit		Year	
				Caller Name	

Item Number

Explanation  
-Remark-

Units

Unit Price

Amount

FREIGHTLINER COLUMBIA: UNIT:74178 TAG:412

**CUSTOMER COMPLAINT:**

1-CHECK AND ADVISE HEAD GASKETS LEAKING.

**CAUSE:**

#4,5 & 6 LINERS LEAKING COOLANT AND HEADS SEEPING COOLANT  
EGR VALVE FROZEN UP  
R&R MAIN BEARINGS AND FUEL LINES (BILLABLE)

**CORRECTION:**

STEAM CLEANED ENGINE. CHECKED FLUID LEVELS. PRESSURE TESTED THE RADIATOR CAP, ALL OK. RAN UNIT ON THE DYNO AND PERFORMED A BOTTLE TEST. UNIT FAILED THE BOTTLE TEST. NO SIGN OF LEAKING HEAD GASKET. PULLED UNIT INTO THE SHOP. CHECKED THE EGR COOLER FOR LEAKS. NO COOLANT OR RESIDUE FOUND. CHECKED AIR COMPRESSOR OUTLET FOR COOLANT, NONE FOUND. PRESSURE TESTED THE COOLING SYSTEM, ALL OK. COMPLETED FURTHER TROUBLE SHOOTING AND FOUND THE #4,5 & 6 LINERS LEAKING COOLANT AND SEEPING UNDER HEADS. FOUND THE #6 HEAD DOWEL PIN SHAVED OFF AND ALL HEAD BOLTS STRETCHED. (AVERAGE 3MM) REMOVED ALL NECESSARY PARTS. REPLACED ALL RINGS, LINERS, PISTONS AND UPDATED TO NEW STYLE HEADS AND HEAD GASKETS. STARTED REINSTALLING ALL PARTS REMOVED. FOUND THE EGR VALVE FROZEN UP. R&R THE EGR VALVE. PRESSURE TESTED THE EGR COOLER. ALL OK. REPLACED THE EXHAUST CENTER SECTION HOT PIPE FOR EGR COOLER, SHUT OFF VALVE, SLEEVE AND ALL HEAD BOLTS. INSTALLED ALL OTHER PARTS REMOVED. R&R THE OIL AND FILTERS. INSTALLED COOLANT. RAN UNIT ON THE DYNO TO VERIFY REPAIRS AND POWER.

Total Amount

Continued

Total Tax

Continued

Total Invoice

Continued

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THIS INVOICE IS FOR PARTS NOT COVERED UNDER WARRANTY AND A \$400.00 PER SERVICE VISIT DEDUCTIBLE

A0001802909	OIL FILTER	1.00
A4570300340	M/BRNG STD.	6.00
A4570300445	T/BRNG STD.	1.00
A4570901776	LINE	1.00
A4600300760	CON. ROD BEA	6.00
A4600902576	FUEL LINE	1.00
A4600902976	FUEL LINE	1.00
A4600904476	LU FUEL LINE	1.00
A5410900151	FUEL FILTER	1.00
OTHER-N	P-3 DEDUCTIBLE	1.00

PARTS SUBTOTAL :

LABOR FLAT RATE :

Total Amount	1,662.59 USD
Total Tax	60.47 USD
Total Invoice	1,723.06 USD