

Repair Work Orders

2009 Mack GU713

VIN 1M1AX09YX9M007553

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG
	09	MACK GU713	1M1AX09YX9M007553		318073/318073	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT
21JAN09 DD			17:00 11DEC18	153	132.00	12DEC18
R.O. OPENED	READY	OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR AXL:CRDPC92				
09:46 11DEC18	09:32 12DEC18					
LINE OPCODE	TECH TYPE	HOURS	LIST	NET	TOTAL	

A CHECK AND ADVISE: WON'T GO OVER 45-50 MPH/BOOST PRESSURE CODE

Uptime20 Diagnosis of customer concern - Uptime20

501196 CP

Diag Laptop Hook UP

1 20524936 PRESSURE SENSOR

2 85143714 O-RING

03GEN R/R BOOST PSI SENSOR

501196 CP

318073 CHECKED AND FOUND BOOST SENSOR CODES MULTIPLE COUNTS.
REMOVED SENSOR AND FOUND IT TO BE PLUGGED WITH SOOT. INSTALLED NEW
SENSOR AND REASSEMBLED. ALSO FOUND LEAKAGE AT THE EGR DIFFERENTIAL
PRESSURE SENSOR. REMOVED SENSOR AND FOUND SEALS LEAKING. INSTALLED NEW
SEALS AND REASSEMBLED. CLEARED CODES AND TEST DROVE WITH UNIT HAVING
GOOD POWER AND TOP SPEED OF 72 MPH.

CUSTOMER PAY SHOP CHARGE FOR REPAIR ORDER

CHECK AND ADVISE: WON'T GO

OVER 45-50 MPH/BOOST PRESSURE
CODE

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	0.00
PLEASE PAY THIS AMOUNT	592.64

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	09	MACK GU713	1M1AX09YX9M007553		302885/302890		
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
21JAN09 DD			17:00 20AUG18		132.00		29AUG18
R.O. OPENED		READY	OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR				
11:33 20AUG18		11:18 29AUG18	AXL:CRDPC92				
LINE OPCODE TECH TYPE HOURS					LIST	NET	TOTAL

A CHECK AND ADVISE: OIL LEAK AT BELL HOUSING
 99-000-0001 CHECK AND ADVISE: OIL LEAK AT BELL
 HOUSING

5337 CP
 5509 CP
 5573 CP
 9641 CP

1 20757390 FITTING
 1 21866817 ADAPTER
 1 25134175 HOSE ASSEMBLY
 1 25502977 TUBE ASSY, OIL PUMP
 1 21738834 ELBOW UNION
 1 25503420 TUBE COMPLETE
 8 25157160 SCREW CLUTCH TO FLYWHEEL
 8 20704748 WASHER
 3 25499834 SCREW
 2 1147*4620* NON-CHLORINATED BRAKE CLE
 1 25499489 GASKET
 1 25632356 SEAL MDP OIL
 1 342SX33 SILICONE DOW#832 (2.8 OZ
 1 2104*127760* TORQUE LIMITING CLUTCH BR
 1 20705755 WOODRUFF KEY
 1 25158604 GASKET
 5 25164660 CLAMP
 2 85132551 KIT
 10 983472 CABLE TIE 35

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN/OUT	TAG	
	09	MACK GU713	1M1AX09YX9M007553		302885/302890	T836	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
21JAN09 DD			17:00 20AUG18	153	132.00		29AUG18
R.O. OPENED		READY		OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR			
11:33 20AUG18		11:18 29AUG18		AXL:CRDPC92			

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
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FORK THEN REMOVED INPUT SHAFT HOUSING DISASSEMBLED REMOVED AND REPLACED SEAL THEN REASSEMBLED AND RESALED HOUSING. INSTALLED NEW FITTINGS AND GASKETS. ALSO INSTALLED NEW OIL LINE TRANS READY TO GO BACK IN TRUCK. - LIFTED TRUCK SLID TRANS UNDER INSTALLED CLUTCH BRAKE, LIFTED AND STABBED TRANS, LINKAGE IS NOT ACTING RIGHT, PULLED BACK DOWN, FOUND WOOD DRIFT KEY CHEWED UP, GOT NEW KEY AND INSTALLED, LIFTED TRANS AND INSTALLED, BOLTED UP TRANS, HOOKED UP ELECTRICAL, AIR, COOLER, PTO, DRIVE LINES, FILLED TRANS, ADJ CLUTCH, TOOK ON ROAD TEST, DROVE FINE GOT BACK NO LEAKS,

CUSTOMER PAY SHOP CHARGE FOR REPAIR ORDER
CHECK AND ADVISE: OIL LEAK AT
BELL HOUSING

DESCRIPTION	TOTALS
LABOR AMOUNT	---
PARTS AMOUNT	---
GAS, OIL, LUBE	---
SUBLET AMOUNT	---
MISC. CHARGES	---
TOTAL CHARGES	---
LESS INSURANCE	---
SALES TAX	0.00
PLEASE PAY THIS AMOUNT	3181.85

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	09	MAK GU713	1M1AX09YX9M007553		298080/298080	T3420	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
21JAN09 DD			17:00 17JUL18				21AUG18
R.O. OPENED		READY		OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR			
14:13 16JUL18		12:26 21AUG18		AXL:CRDPC92			
LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
CUSTOMER PAY SHOP CHARGE FOR REPAIR ORDER							

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	0.00
PLEASE PAY THIS AMOUNT	2233.07

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	09	MACK GU713	1M1AX09YX9M007553		301541/301541	T747	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
21JAN09 DD			17:00 07AUG18				23AUG18
R.O. OPENED		READY	OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR				
11:32 07AUG18		13:10 23AUG18		AXL:CRDPC92			
LINE OPCODE TECH TYPE HOURS				LIST	NET	TOTAL	

A A/C BLOW WARM

99-000-0001 A/C BLOW WARM

2170 CP

9641 CP

1 85151124 FILTER

1 3543*T4935001* VALVE KIT

1 1000*OR11099* SINGLE JOB ORING KIT

1 82781559 RECEIVER DRIER

301541

UNTI BLOWING 51 DEGREE AIR FROM CAB WHEN BRINGING IN SHOP.
INSPECTED EVAPORATOR. NOT PLUGGED. FOUND FILTER IS ALMOST PLUGGED.
REPLACED FILTER. NEEDS FURTHER CHECKED INTO FOR OTHER ISSUES
TECH RECOVERED SYSTEM HAD 3lbs. WHEN RECOVERING GAUGES READ 100
HIGH SIDE AND VACUUM ON LOW SIDE, SYSTEM HAS A BLOCK IN IT. PULLED
EXPANSION VALVE AND DRYER OFF AND BLEW LINES OUT ALL WHERE OK, UNIT HAS
TOO MUCH DYE IN SYSTEM. INSTALLED NEW EXPANSION VALVE AND DRYER. VACUUM
DOWN PASSED LEAK TEST AND CHARGED SYSTEM TO SPECS. RAN AC COOLING OK
NOW, STEAMED OFF ENGINE.

B INSTALL AIR DRYER (OWNER SUPPLY: IN CAB)

99-000-0001 INSTALL AIR DRYER (OWNER SUPPLY: IN CAB)

9641 CP

1 8116*91203* A/B UNION 5/8 PUSH IN

301541 TECH R&R DRYER ASSEMBLY CHECKED FOR AIR LEAKS NONE FOUND

CUSTOMER PAY SHOP CHARGE FOR REPAIR ORDER

A/C BLOW WARM

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	799.84

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG
	09	MACK GU713	1M1AX09YX9M007553		284657/284657	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT
21JAN09 DD			23:54 29JAN18			19FEB18
R.O. OPENED	READY	OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR				
08:56 29JAN18	11:30 19FEB18	AXL:CRDPC92				

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
A	CHECK AND ADVISE: WATER LEAK (PASSENGER FRONT OF ENGINE)						
	99-000-0001 CHECK AND ADVISE: WATER LEAK (PASSENGER FRONT OF ENGINE)						
	5573 CP10						
	9641 CP10						
	1 85152069 KIT						
	CORE CHARGE C						
	1 20968839 FILLER CAP						
	2 RCRCOOLANT 50/50RED COOLANT						
	4 943472 HOSE CLAMP, 2XWATER SUPPLY						
	1 21339891 HOSE						
	1 948977 O-RING						
	1 992065 O-RING						
	1 471708 SEALING RING						
	-1 85152069 CORE RETURN						

TOTAL LINE A: 1299.54

284657

PRESSURIZED COOLING SYSTEM FOUND SURGE TANK CAP LEAKING AND AIR COMP HEAD GASK IS LEAKING
 REMOVED BREATHER TUBE AND THEN AIR COMP INTAKE TUBE. DRAINED COOLANT THEN REMOVED FENDER UNHOOKED OIL LINE AND DISCHARGE LINE
 REMOVED COOLANT LINES AND UNBOLTED COMPRESSOR. REMOVED COMPRESSOR FROM ENGINE BAY. DID NOT HAVE COMPRESSOR IN STOCK AT THIS TIME. INSTALLED COMPRESSOR HOOKED UP COOLANT LINES HOOKED UP INTAKE AND OIL LINE THEN INSTALLED DISCHARGE LINE. FILLED SYSTEM BACK UP WITH COOLANT.

B CHECK AND ADVISE: LOW RANGE WON'T GO IN GEAR
 99-000-0001 CHECK AND ADVISE: LOW RANGE WON'T GO IN GEAR
 5573 CP10
 9641 CP10

1 85148828 SYNCHRONIZER KIT

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

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG
	09	MACK GU713	1M1AX09YX9M007553		284657/284657	T729
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT
21JAN09 DL			23:54 29JAN18			
R.O. OPENED		READY	OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR AXL:CRDPC92			
08:56 29JAN18		11:30 19FEB18				

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
1	25106631	O'RING,	PISTON HOUSING CO				
1	22786249	PISTON SEAL					
1	25089216	O'RING					
1	25086968	O'RING					
1	25108468	O RING					
1	22175540	WEAR RING					
1	22786246	PISTON SEAL					
1	25112017	GEAR					
1	25091405	CLUTCH, COMP. SPLITTER SL					
1	25501488	SNAP RING					
1	25500345	WASHER					
1	22786246	PISTON SEAL					
2	85132551	KIT					
30	4250*122205*	MOBIL DELVAC 1 TRANSMISSI					
1	8116*91233*	A/B ML ELBOW 3/8 X 1/4					
1	8116*91227*	A/B ML CONN 1/2 X 3/8					
TOTAL LINE B:						4456.76	

284657

YOKE TIGHT AND UNIT HAS AIR GOING TO HIGH LOW SHIFT FORK, NEEDS BACK BOX REBUILT

DRAINED OIL REMOVED DRIVE LINE. THEN REMOVED FLOOR. REMOVED AIR LINES AND OIL LINES. REMOVED TOP COVER. REMOVED YOKE AND HIGH/LOW SHIFT SOLENOID. FOUND SHIFT FORK BOLT LOOSE. REMOVED BACK BOX AND INSTALLED HOLDING TOOLS THEN REMOVED SYNCRO ASSEMBLY AND THEN MARKED AND REMOVED COUNTER SHAFTS. REMOVED REVERSE IDLER GEAR THEN DISASSEMBLED SYNCRO ASSEMBLY ON BENCH FOUND TEETH ON HIGH AND LOW SIDE WORN. ALSO FOUND BURNT AND SHARPENED CLUTCH TEETH. WILL NEED REBUILT. CLEANED BACK BOX GASKET OFF. REINSTALLED COUNTER SHAFTS WITH MARKINGS FOUND 2ND COUNTERSHAFT IS AFTER MARKET AND HAD NO TIMING MARKS HAD TO COUNT TEETH AND MAKE TIMING MARKS. BUILT SYNCRO ASSEMBLY AND INSTALLED. THEN INSTALLED BACK BOX. INSTALLED YOKE, HIGH/LOW SHIFT CYLINDER AND TOP COVER AS WELL AS ALL OIL AND AIR LINES. FILLED TRANS AND INSTALLED DRIVE LINE. INSTALLED FLOOR. FOUND AIR LEAK AT FITTING ON TOP OF TRANS REMOVED AND REPLACED. STEAMED TRUCK OFF AND TEST DROVE. ABS LIGHT CAME

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

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	09	MACK GU713	1M1AX09YX9M007553		284657/284657	1.25	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
21JAN09 DD			23:54 29JAN18				19FEB18
R.O. OPENED		READY		OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR AXL:CRDPC92			

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
1							
ON DURING TEST DRIVE.							

C MAKE SERVICE CALL THE THERE YARD TO CHECK ANDS SET ALL ROAD AND CRUISE SPEEDS

99-000-0001 MAKE SERVICE CALL THE THERE YARD TO CHECK ANDS SET ALL ROAD AND CRUISE SPEEDS

9826 CP10

Pf 284657 DROVE TO CUSTOMER LOCATION AND PROGRAMMED ROAD AND CRUISE SPEED TO 72.0MPH WROTE DOWN TRUCK NUMBERS THAT NEEDED CHANGED

SHOP MATERIALS

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	0.00
PLEASE PAY THIS AMOUNT	6479.79

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG
	09	MACK GU713	1M1AX09YX9M007553		274458/274458	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT
21JAN09 DD			23:54 13NOV17			
R.O. OPENED	READY	OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR AXL:CRDPC92				
13:50 08NOV17	19:54 21NOV17					

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
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A CHECK AND ADVISE: CLUTCH CABLE (SEE HISTORY) ADJUST CLUTCH
 99-000-0001 CHECK AND ADVISE: CLUTCH CABLE (SEE HISTORY) ADJUST CLUTCH
 5337 CP20
 1 2104*127200* CLUTCH BRAKE
 1 4710*05084* BRAKLEEN BRAKE PARTS CLEA

TOTAL LINE A: 190.32

274458 5337-11/8/17 PULLED IN PULLED CLUTCH ACCESS PANEL, THERE WAS NO PEDAL ON WAY IN HAD TO START IN GEAR, THERE IS 1/32 GAP BETWEEN THROUGH OUT BEARING AND CLUTCH BRAKE, BACKED CLUTCH IN SO THERE IS 1/2 GAP NOW, CHECK BRAKE IT SPINS, R&R CLUTCH BRAKE, STOPS NOW, INSTALLED ACCESS PANEL.

 B ESTIMATE ONLY: LIGHTENING BOLT LIGHT ON (STEVE DOES NOT WANT ANYTHING TORN DOWN, WANTS TO PICK UP TRUCK IN MORNING)
 99-000-0001 ESTIMATE ONLY: LIGHTENING BOLT LIGHT ON (STEVE DOES NOT WANT ANYTHING TORN DOWN, WANTS TO PICK UP TRUCK IN MORNING)

5337 CP10
 1 20972295 FUEL FILTER
 1 21380521 FUEL FILTER

TOTAL LINE B: 64.77

274458 CHANGED FUEL FILTERS AND CUSTOMER USED UNIT FOR ONE DAY . UNIT RETURNED NEXT DAY FOR DIAGNOSE OTHER ISSUES .

 C MAKE SERVICE CALL TO THERE YARD TO SEE WHY PEDAL WEN TO THE FLOOR.
 99-000-0001 MAKE SERVICE CALL TO THERE YARD TO SEE WHY PEDAL WEN TO THE FLOOR.

83516 CP15
 1 25158604 GASKET
 1 85132551 KIT
 12 25102025 WASHERS
 12 60112884 FLANGE SCREW
 8 20704748 WASHER

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

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	09	MACK GU713	1M1AX09YX9M007553		274458/274458		
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO. NO.	RATE	PAYMENT	INV. DATE
21JAN09 DD			23:54 13NOV17				21NOV17
R.O. OPENED		READY		OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR			
13:50 08NOV17		19:54 21NOV17		AXL:CRDPC92			

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
8	20953751	FLANGE	SCREW				
1	20512915	BEARING					
1	2104*30892582*	INSTALLATION	1552	2.00 EP			
4	4710*05084*	BRAKLEEN BRAKE PARTS	CLEA				
1	8116*9179*	ANTI-SEIZE	8 OZ				
1	2104*127760*	TORQUE LIMITING CLUTCH BR					
1	8116*6503*	PB BLASTER	11 OZ NET				
1	25502395	SHAFT					
1	8116*9101*	THREADLOCKER	BLUE 6ML				
1	8116*9103*	THREADLOCKER	RED 6 ML				
1	25134175	HOSE ASSEMBLY					
1	8116*9101*	THREADLOCKER	BLUE 6ML				
1	85129501	COLLAR					
1	85131659	CAP					
1	21866819	O-RING					
10	25164660	CLAMP					
2	85132551	KIT					
1	8116*19199*	FLANGE BOLT	1/2X1-3/4				
1	20733354	CLIP, 15MM QUICK CONNECT					
6	20706308	FLANGE SCREW					
TOTAL LINE C:						2899.05	

274458 83516- REMOVED DRIVESHAFT ASSEMBLY. REMOVED PTO PUMP.
REMOVED CENTER COUNSEL AND FLOOR MAT. REMOVED FLOOR PAN. REMOVED
SHIFTER TOWER AND DISCONNECTED ALL AIR LINES, OIL LINES AND ELECTRICAL
CONNECTIONS. INSTALLED TRANSMISSION JACK UNDER TRANSMISSION. REMOVED
BELL HOUSING BOLTS AND REMOVED TRANSMISSION. REMOVED CLUTCH AND
FLYWHEEL. REMOVED SHIFT ARM FOUND IT TO BE WORE GETTING REPLACED.
STEAMED OFF TRANSMISSION. INSTALLED FLYWHEEL. INSTALLED CLUTCH.
REPLACED CLUTCH SHIFT ARM AND INSTALLED TRANSMISSION. INSTALLED WIRING
HARNESS AND AIR LINES. INSTALLED PTO PUMP AND DRIVESHAFT. TOPPED OFF
OIL. INSTALLED FLOOR PAN. REPLACED RETURN LINE FUEL CHECK VALVE.
REPLACED 1 DOT FITTING ON TRANSMISSION. INSTALLED INSPECTION COVER.
TEST DROVE.

C
H
S
C
V
U
A
C
N

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

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	09	MACK GU713	1M1AX09YX9M007553		274458/274458		
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
21JAN09 DD			23:54 13NOV17				21NOV17
R.O. OPENED		READY		OPTIONS			

13:50 08NOV17 19:54 21NOV17

LINE OPCODE TECH TYPE HOURS

LIST NET TOTAL

D RESURFACE FLYWHEEL

99-000-0001 RESURFACE FLYWHEEL

83516 CP

***** RESURFACED FLYWHEEL. *****

E set road and cruse to 72 mph

99-000-0001 set road and cruse to 72 mph

501196 CP

***** SET ROAD AND CRUISE SPEED TO 72 MPH *****

F PERFORM A PM SERVICE

99-000-0001 PERFORM A PM SERVICE

83516 CPM

1 21707135 OIL FILTER

2 21707136 OIL FILTER

40 4250*105420* MOBIL DELVAC 1300 SUPER 1

5 9853*PGR120* MACK GREASE HIGH PERFORMA

1 21380521 FUEL FILTER

TOTAL LINE F: 329.95

274458 83516- PERFORMED PM SERVICE. DRAINED 3 GALLONS OF COOLANT
AND REPLACED WITH NEW DUE TO BAD COOLANT TEST. FIXED WINDSHIELD WASHER
FLUID NOZZLE ON DRIVERS SIDE.

G PARTS AND LABOR NOT INCLUDE IN SERVICE

99-000-0001 PARTS AND LABOR NOT INCLUDE IN

SERVICE

50999 CPM

1 5839*CC2602B* TEST KIT

1 SPLASHWASH W/S WASHER FLID -20 BELOW

1 25171612 WASHER BOTTLE CAP

4 RCRCOOLANT 50/50RED COOLANT

1 25158374 VALVE FUEL

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

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	09	MACK GU713	1M1AX09YX9M007553		274458/274458	T1	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
21JAN09 DD			23:54 13NOV17				21NOV17
R.O. OPENED	READY	OPTIONS					

13:50 08NOV17 19:54 21NOV17

LINE OPCODE TECH TYPE HOURS

1 20972295 FUEL FILTER

1 RCRCOOLANT 50/50RED COOLANT

LIST NET TOTAL

TOTAL LINE G: 113.92

H REPLACE ALL 4 REAR DRIVE DRUMS AND SHOES

99-000-0001 REPLACE ALL 4 REAR DRIVE DRUMS AND SHOES

83516 CP10

4 1000*BD6864B* BRAKE DRUM 16.50 X 7

4 1000*BKE4707QHD23* BRAKE KIT EXCH 16.5X7 QP

CORE CHARGE C

-4 1000*BKE4707QHD23* CORE RETURN

TOTAL LINE H: 1033.24

274458 83516REMOVED WHEELS. BACKED OFF SLACK ADJUSTERS. REMOVED

DRUMS. REMOVED OLD SHOES AND SPRINGS. REMOVED OLD ANCHOR PINS.

INSTALLED NEW ANCHOR PINS AND ANTI SEIZED THEM. INSTALLED NEW BRAKE

SHOES AND SPRINGS. INSTALLED NEW DRUMS. REINSTALLED WHEELS. TORQUED TO

475 FT LBS.

I INSTALL REAR MUD FLAPS AND BRACKETS

99-000-0001 INSTALL REAR MUD FLAPS AND BRACKETS

83516 CP10

1 1000*MFH2784B* 27.78 ANGLED DOUBLE COIL

1 1000*MF2430PPSWL15* 24X30 LEFT ANGLE VG LOGO

1 1000*MF2430PPSWR15* 24X30 RIGHT ANGLE VG

LOGO

1 8116*41353* FN HEX 8 PL 5/16-24

1 8116*17125* HX CP PL SAE 5/16X1 8

1 8116*76171* LOCKS ALLOY 5/16

TOTAL LINE I: 187.82

274458 83516- INSTALLED REAR MUD FLAP BRACKETS AND FLAPS

J REPLACE LEAKING AIR LINE AND FOOT VALVE

99-000-0001 REPLACE LEAKING AIR LINE AND FOOT

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

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG
	09	MACK GU713	1M1AX09YX9M007553		274458/274458	T1
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT
21JAN09 DD			23:54 13NOV17	1	132.00	CHG
R.O. OPENED	READY	OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR				
13:50 08NOV17	19:54 21NOV17	AXL:CRDPC92				

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
			VALVE				
			83516 CP10				

TOTAL LINE J: 118.80

***** REPLACED 2 DOT AIR FITTING ON TRETLE VALVE *****

SHOP MATERIALS

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	0.00
PLEASE PAY THIS AMOUNT	5414.87

10/12

INVOICE REPRINT

DATE INVOICE
10/12/2017

TERMS
NET 30 DAYS

EMAILED: YES

BILL TO

SHIP TO

CUST PO #	FLEET NUMBER	VIN	SERVICE ADVISOR	PAYMENT CODE	
UNIT 153	RADIATOR	RADIATOR		SRET	
YEAR	MAKE	MODEL	ODOMETER	START DATE	COMPLETION DATE
0000	XXXX	XXXX	1	10/10/2017 4:15:36PM	10/10/2017 2:00:00PM

JOB #1 BS11 SRET RADIATOR SHOP (BODY SHOP)

CONDITION: CLEAN AND REPAIR RADIATOR,
STEAM CLEAN RADIATOR, PRESSURE TEST, MARK LEAKS, REMOVE X ACROSS REAR OF RADIATOR, REMOVE 2 SIDE
RAILS, TOP AND BOTTOM TANKS, CLEAN RADIATOR CORE, FOUND CRACKED HEADER AT ORING ON OULET
HEADER, REPLACE CORE, REASSEMBLE BOTH RAILS AND X ACROSS REAR OF CORE, PRESSURE TEST, PAINT
RADIATOR.

CAUSE:

CORRECTION:

QTY	ITEM	TECH NO	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
1	LABOR 111X/HDC010199PA		VOLVO RADIATOR CORE & TANK	NOLOC		

Job# 1

Sub-Total: 965.00

INVOICE REPRINT

DATE INVOICE
10/12/2017

TERMS
NET 30 DAYS
EMAILED: YES

BILL TO

SHIP TO

Service work has been completed.

INT

MISC CHARGES	
PARTS	
LABOR	
SUBLET	
SHOP SUPP / DIAG	
TAX	
TOTAL	992.50

17

10/12/2017 7:11 AM

page 1

Invoice:

Day Phone

Fax Number

-fold here -

Vehicle : 2009 MACK GU713
 VIN : 1M1AX09YX9M007553
 Fleet # : 153
 Created : 10/10/2017 10:36:40 AM
 Complete : 10/12/2017 7:11:25 AM
 Invoiced : 10/12/2017 7:11:25 AM
 Contact :
 Srv Writer:

Color : White

Odometer In : 271132

Odometer Out : 271132

Labor/Notes

Code/Tech*	Reference	Description	Price
	LABOR	CONFIRM LEAK FROM RADIATOR	\$0.00
*HE SAID THE RADIATOR TANK IS LEAKING FROM THE LOWER PORTION. PLEASE CONFIRM AND PULL OUT. SEND TO T/C AND PUT UNDER PETROFF'S ACCOUNT. TELL JERRY THAT IF IT CAN BE FIXED, GO FOR IT. IF IT NEEDS REPLACED HAVE HIM CALL STEVE PETROFF - WE PRESSURIZED AND CONFIRMED LEAK IS FROM RADIATOR			
-	NOTE	NO PM HISTORY	
	LABOR	R&R RADIATOR - RE-USE COOLANT IF POSSIBLE	\$816.75
*CUSTOMER SUPPLIED RADIATOR - NO WARRANTY ON THIS REPAIR - ONCE WE REASSEMBLED CAGE, WE INSTALLED THE RADIATOR AND TOPPED OFF COOLANT. WASHED AND RAN TRUCK. RECHECKED COOLANT, ALL OK. NO LEAKS.			

Parts

Qty	Code/Tech*	Reference	Description	Condition	Unit Price	Price
2	--	85129501	MT TL LOCKING	New		
2	--	85131659	COLLAR	New		
2	--	21866819	O-RING	New		
4	-	REDCOOL	SHELL RED ELC COOLANT	New		
4	--	ENV	ENVIRONMENTAL			

Labor
 Parts
 Sublet/Misc.
 shop supplies
 Charges
 Sales Tax

Total Due \$939.18



COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG
	09	MACK GU713	1M1AX09YX9M007553		240438/240438	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT
21JAN09 DD			23:54 08MAR17			13MAR17
R.O. OPENED	READY	OPTIONS: DLR:P709 ENG:MP8-415C TRN:T318LR				
		AXL:CRDPC92				
09:27 08MAR17	08:18 13MAR17					

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
A	CHECK AND ADVISE:	LIGHTENING BOLT	LIGHT ON (SHUT OFF GOING DOWN ROAD)				
	99-000-0001	CHECK AND ADVISE:	LIGHTENING BOLT				
		LIGHT ON (SHUT OFF GOING DOWN ROAD)					
		9641	CP10				
		2178	CP10				

1	20946046	WIRES					
10	25164660	CLAMP					
1	FREIGHT	FREIGHT CHARGE					
1	85151110	WATER PUMP KIT					
	CORE	CHARGE C					
-1	85151110	CORE RETURN					

TOTAL LINE A: 1238.62

240438 CHECK FOR FAULT CODES. FOUND AN ACTIVE CODE FOR LOW COOLANT. CHECKED HARNESS CONNECTOR AT THE SENSOR. FOUND THE WIRING HAD BEEN CHOPPED OFF BY THE FAN. CHECKED AND FAULT CODES INDICATED THE UNIT HAS OVER HEATING CODES. CHECKED FAN OPERATION, THE FAN IS WORKING OK. INSPECTED THE RADIATOR. THE RADIATOR HAS SOME TRASH AND NEEDS CLEANED. REMOVED WIRING HARNESS AND INSTALLED AN NEW HARNESS. RECHECKED OPERATION, THE FAULT CODE WENT INACTIVE. CHECKED SHUT OFF ON THE LOW COOLANT SHUT DOWN. FOUND IT WAS ALREADY OFF. DRAINED COOLANT AND REMOVED THE WATER PUMP. INSPECTED THE WATER PUMP. THE PUMP IMPELLER IS LOOSE ON SHAFT. CLEANED FOR REASSEMBLY. INSTALLED A NEW WATER PUMP AND FILLED WITH COOLANT. TEST DROVE UNIT. RECHECKED FOR LEAKS. NO WERE FOUND. RECHECKED OPERATION. THE UNIT STAYS COOL.

SHOP MATERIALS

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	0.00
PLEASE PAY THIS AMOUNT	1314.65