

COLOR	YEAR	MAKE/MODEL		VIN	LICENSE	MILEAGE IN / OUT		TAG
	12	MACK Chu613		1M1AN09Y6CM009166		659213/659213		6.8.7.
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE	
05OCT12 DD			12:00 20MAR19		0.00	CASH	25MAR19	
R.O. OPENED		READY		OPTIONS: - - - - -				

11:01 07MAR19 13:19 25MAR19

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
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A DIAGNOSE HARD START /EXT CRANK..CUSTOMER HAS REPLACED FILTER HEAD

CAUSE: hooked up test fuel lines inj cups leaking

Uptime20 DIAGNOSE HARD START /EXT CRANK..CUSTOMER

HAS REPLACED FILTER HEAD

9641 CP

Diag Laptop Hook UP

659213 hooked up test fuel lines cups are leaking

B** INJECTOR 1 TO 6 PACK INC RUN OVERHEAD EXCLUDES LEU MRU

02INJ6 INJECTOR 1 TO 6 PACK INC RUN OVERHEAD

EXCLUDES LEU MRU

9606 CP

2 85013612 UNIT INJECTOR, EXCH

CORE CHARGE C

6 8192804 FLANGE SCREW

6 85137065 INJECTOR SLEEVE

2 1677370 SEALING RING

1 20526428 SEALING RING

10 983472 CABLE TIE

1 8116*6564* CARB & CHOKE CLEANER 11OZ

3 8116*73422* 3M SFC CND DISC 2 CRS

1 20538793 SEALING STRIP

1 21532258 SEALING RING

6 276948 O-RING KIT

-2 85013612 CORE RETURN

6 SHIM SHIM

1 21169409 PIPE

1 967343 O-RING

02INJ6 INJECTOR 1 TO 6 PACK INC RUN OVERHEAD

EXCLUDES LEU MRU

50999 CP

0.00

0.00

659213 -REMOVED AIR FILTER, REMOVED VALVE COVER, REMOVED ROCKER

SHAFT, PULLED INECTORS 5 AND 6 ARE BAD, DRAINED COOLANT, PULLED CUPS,

CLEANED INJECTOR BORES, INSTALLED CUPS, INSTALLED AND TORQUED

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

CUSTOMER COPY 1

COLOR	YEAR	MAKE/MODEL		VIN	LICENSE	MILEAGE IN / OUT		TAG
	12	MACK Chu613		1M1AN09Y6CM009166		659213/659213		
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE	
05OCT12 DD			12:00 20MAR19		0.00	CASH	25MAR19	
R.O. OPENED		READY		DAYS				

11:01 07MAR19 13:19 25MAR19

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
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INJECTORS, INSTALLED AND TORQUED ROCKER SHAFT, RAN OVERHEAD, INSTALLED VALVE COVER, INSTALLED AIR FILTER, FILLED COOLANT, PROGRAMMED INJECTORS, PUT BATTERY CHARGER ON BATTERIES, TRUCK WAS DEAD, STARTED TRUCK AND ATS SERVICE REQUIRED CAME ON, FOUND CODE FOR SOOT LEVEL, RESET SOOT LEVEL, STARTED A REGEN, T1 GOT UP TO 640 T2 TO 750 AND T3 TO 750 THEN TEMPS FELL TO LOW 600S FOR T2 AND T3

C** Diagnosis of customer concern - Uptime20

Uptime20 Diagnosis of customer concern - Uptime20

2170 CP

Diag Laptop Hook UP

659213 FOUND AFTERTREATMENT INJECTOR IS NOT FLOWING WITHIN SPEC. ALSO FOUND NO AIR BEING SUPPLIED TO THE INJECTOR FOR KEEPING THE TIP CLEAN. FOUND SEVERED WIRES TO THE AIR SOLENOID. NEED TO REPAIR THE WIRES AND CLEAN THE INJECTOR TIP.

D** CLEAN 7TH INJECTOR AND REPAIR AIR SOLENOID FOR 7TH INJECTOR

02GEN ENGINE GENERAL

2170 CP

6929 CP

2 8116*71897* SEAL-A-CRI

1 85115784 KIT

2 25164660 CLAMP

659213

CLEANED AFTERTREATMENT INJECTOR AND VERIFIED IT IS NOW FLOWING 6 LPM. RE-ASSEMBLED WITH NEW GASKET KIT. MADE REPAIR TO AIR SOLENOID WIRES AND VERIFIED AIR IS NOW BEING SUPPLIED THE AFTERTREATMENT INJECTOR FOR KEEPING THE TIP CLEAN. ATTEMPTED A REGEN. FOUND DPF PRESSURE SHOWING 2.7 PSI, SOOT LEVEL DOUBLED, AND TURBO SPEED AROUND 36,000 RPMS. SHUT DOWN REGEN. WILL NEED TO HAVE DPF CLEANED AND RECHECKED FOR ANY FURTHER POSSIBLE REPAIRS.

HOOKEED UP LAPTOP AND RESET LEARN DATA PULLED UNIT OUTSIDE AND PERFORMED REGEN SOOT LOAD STARTED AT 82% ENDED WITH 1% NOX DROPPED TO

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

GNED) DEALER, GENERAL MANAGER OR AUTHORIZED PERSON (DATE) CUSTOMER SIGNATURE

COLOR	YEAR	MAKE/MODEL		VIN		LICENSE	MILEAGE IN / OUT		TAG
	12	MACK Chu613		1M1AN09Y6CM009166			659213/659213		6.8.7.
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED		PO NO.	RATE	PAYMENT	INV. DATE	
05OCT12 DD			12:00 20MAR19			0.00	CASH	25MAR19	
R.O. OPENED		READY		OPTIONS: DLR:1					

11:01 07MAR19 13:19 25MAR19

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
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52 PPM UNTI HAS ACTIVE CODE FOR COOLANT LEVEL SENSOR INFORMED RICK
 REMOVED AND REPLACED COOLANT LEVEL SENSOR HOOKED UP LAPTOP AND
 CLEARED ALL CODES UNIT NEED TO BE TEST DROVE DONE

E** DPF/DOC CLEANING

02GEN DPF/DOC CLEANING

1851 CP

3524 CP

502357 CP

1 85124753WAR KIT,CLAMI

1 1000*FB8534* FLEX BELL

1 C0075-ID MUFFLER,DOC

1 22564822 LEVEL SENSOR

SUBL EGR COOLER CLEANING

CP

659213

PULLED IN SHOP

REMOVED DOC AND DPF

FOUND UPPER FLIXPIPE TO BE BAD 502357 - PULLED TRUCK IN SHOP.

INSTALLED DPF AND NEW DOC. INSTALLED SENSORS. INSTALLED STEP AND

SHIELD. FLEX PIPE IS ON ORDER

REPLACED FLEX PIPE

CUSTOMER PAY Shop Charge FOR REPAIR ORDER

HAR START

CUSTOMER SIGNATURE

PLEASE PAY
THIS AMOUNT

8203.32

CUSTOMER COPY 1

CUSTOMER P.O.		REFERENCE NO.	
		57 416/57 000	
		PRICE/PER	EXTENSION
TRK 148 TERMS: (00) NET 10TH **Invoice has been e-mailed** *PICKED UP BY CUSTOMER* RELEASE NO: 867277 UNIT 148 1 MU E2XL12702BPRL MUNCIE DUMP PUMP MUNCIE TARIFF CHARGE SER # 171107-W1728			

FREIGHT	SUBTOTAL	TAX STATUS/STATE	SALES TAX	PLEASE PAY
		)		690.77
Signature				TERMS

COPY

11/29/2018	
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Sold To

Ship To

P.O. No.	Terms	Salesman	Ship	Via	Unit Number
			11/29/2018	Cust. Pickup	

Quantity	Item Code	Description	Price Each	Amount
1	Parts Labor Parts	Repair Mack CRD151 Differential 3.79:1 w/Diferential Lock Parts Labor 17TYS44-16A Yoke <i>Trk #148</i>		

Received By	Total	\$3,501.22
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