

ACCOUNT NUMBER: 249796
 INVOICE NUMBER: R013101495:01
 INVOICE DATE: 10/05/2022
 INVOICE TERMS: CASH

VEHICLE#: 756651



SERVICE INVOICE

PULL TO

PULL TO

Cust. Unit #:	006	Make:	MACK	Model:	600	Tag #:	CS
VIN:	1M1AW09Y98N001576	Model #:		In Serv Date:	12/31/9999	Year:	2008
Engine S/N:		Model #:		In Serv Date:		Mileage:	579,094
Tran S/N:		Model #:		In Serv Date:		Eng Hrs:	0
Reefer S/N:		Model #:		In Serv Date:		Warr ID:	
APU S/N:		APU Gen S/N:		In Serv Date:		Date Create:	09/26/2022
				BOM/Spec:			

Sold Operations

Job#1 SHP-OTH SHOP - OTHER LABOR S-CUST

Condition S-CAM BUSHINGS NEED REPLACED

Cause

Correction STARTED REMOVAL OF PARTS ON LEFT REAR WHEELS. REMOVED RIGHT REAR WHEEL, AND BRAKE DRUM. REMOVED HUB. BACKED OFF SLACK ADJUSTER AND CAGED THE BRAKE CAN. REMOVED THE SHOES. REMOVED THE C CLIP ON END OF S CAM AND SLID THE CAM OUT. REMOVED OLD SEALS AND BUSHINGS. CLEANED PARTS AND STARTED REINSTALLING. FINISHED RIGHT REAR BY MOUNTING THE WHEELS, TIGHTEN DOWN THE HUB NUT INSTALL THE LOCK RING AND SECOND NUT. REINSTALL THE AXLE WITH NEW SEAL. TIGHTEN DOWN THE NUTS. MOVED TO LEFT REAR. REMOVED WHEELS, BACKED OFF BRAKES AND CAGE. REMOVE DRUM AND SHOES. LOOSEND THE HUB NUTS. THIS IS WHERE I RAN INTO PROBLEM NUMBER ONE, THE WEDGE LOCKS WERE STUCK IN THE HUB PLATE, MOST WITH RTV AND CORROSION. WHEN I FINALLY GOT THEM OUT, I REMOVED THE AXLE, THE HUB AND S CAM. FOUND CAM WAS GROOVED. GOT OK TO ORDER AND WENT TO PARTS. JACKED UP FRONT AXLE AND GOT ON JACK STANDS. REMOVED THE FRONT LEFT WHEEL, CAGED BRAKES, REMOVED DRUM AND SHOES. LOOSEND THE HUB BOLT. SAME PROBLEM AS THE OTER THE WEDGES STUCK. AFTER FINALLY GETTING THEM FREE REMOVED THE AXLE. GOT S CAM OUT AND FOUND IT GROOVED AS WELL. WENT TO PARTS AND ORDERED. WENT AHEAD AND GOT THE RIGHT SIDE ORDERED. REMOVED S CAM SEALS FRONT LEFT AXLE, INSTALED WHEEL SEAL LEFT REAR, INSTALLED HUB, TORQUED AXLE NUT, INSTALLED AXLE SHAFT, INSTALLED BRAKES, INSTALLED DRUM, INSTALLED WHEELS. REMOVED BEARING.

Qty	Item	Description	Price Each	Extended
	OTH-GEN	SHOP - OTHER LABOR		
4	CHR 47697	OIL SEAL		
4	TDA 2208X440	GASKET		
24	25095949	CONE FITTING		
2	85111877	LH S CAM		
1	85111878	S CAM		
1	P-FRT	PARTS- FREIGHT CHARGE		

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Sold Operations (Cont.)

Job#2 CI

COURTESY TRUCK INSPECTION

S-CUST

Condition COURTESY TRUCK INSPECTION

Cause

Correction

Qty	Item	Description	Price Each	Extended
	!Canda-CI	COURTESY INSPECTION		

Job#3 SHP-OTH

SHOP - OTHER LABOR

S-CUST

Condition REPLACE STEER AXLE BRAKES

Cause

Correction JACK UP FRONT END, GET ON STANDS, REMOVE THE WHEELS ND DRUMS. BACKED OFF SHOE ALL THE WAY. REMOVED SHOES AND SLID OUT S CAM. BUSHINGS BAD. CHECKING ON HUBS. REMOVED DRIVERS SIDE S CAM, REMOVED OLD S CAM BUSHINGS AND SEALS, INSTALLED NEW BUSHING AND SEALS ON BOTH SIDES, INSTALLED HUB, TORQUED, INSTALLED COTTER PIN, INSTALLED CAP, INSTALLED BRAKES - WRONG BRAKES WERE BROUGHT OUT TOOK ME SOME TIME TO REALIZE THIS, INSTALLED BRAKES, INSTALLED DRUM, INSTALLED WHEEL, TORQUED WHEEL, TIGHTENED UP CAP.

Qty	Item	Description	Price Each	Extended
	OTH-GEN	SHOP - OTHER LABOR		700.00
2	GG4720QJ	4720 BRAKE KIT		
3	TDA KIT8042	BRAKE REPAIR KIT, MINOR		
2	GF4702QJ	4702 BRAKE KIT		

Job#4 SHP-OTH

SHOP - OTHER LABOR

S-CUST

Condition AIR DRYER POPS OFF ALL THE TIME

Cause

Correction STARTED TRUCK TO BUILD AIR PRESSURE. UPON INSPECTION FOUND THE PURGE VALVE STUCK OPEN. ORDER A NEW ONE FROM PARTS. WHEN THE PART ARRIVED, I REMOVED THE OLD ONE. GOT NEW ONE MOSTLY ASSEMBLED ON THE BENCH. GOT THE NEW ONE UP IN THE DRYER. HOWEVER IT DID NOT FIT CORRECTLY. UPON FURTHER INSPECTION OF THE NEW, FOUND I HAD AN O-RING AND WASHER IN THE WRONG SPOT. CORRECTED THE ISSUE AND INSTALLED. STARTED THE TRUCK TO AGAIN BUILD AIR. REPLACEMENT WORKS CORRECTLY. DRAINED THE AIR TANKS AND REMOVED THE DRYER FILTER TO REPLACE WITH NEW. RESTARTED THE TRUCK. AIR PRESSURES NORMAL AND NO LEAKS TO THE PARTS REPLACED. TOOK TRUCK TO WASH BAY AND CLEANED AREAS WORKED ON. TRUCK IS STILL EXTREAMLY DIRTY AND CAKED WITH MUD. TOOK TRUCK TO EXIT BAY. CLEANED THE WASH BAY.

Qty	Item	Description	Price Each	Extended
	OTH-GEN	SHOP - OTHER LABOR		
1	WAB4324139292	PURGE VALVE KIT SS1200 DRIER		
1	WAB 432 420 923 2	CARTRIDGE-AIR DRYER, STANDARD		

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Sold Operations (Cont.)

Job#5 SHP-OTH SHOP - OTHER LABOR S-CUST

Condition REPLACE FAN HUB

Cause

Correction UNBOLTED FAN FROM HUB, UNBOLTED HUB FROM FULLY, NOT ENOUGH ROOM, UNBOLTED RADIATOR SUPPORT, AFTER MUCH EFFORT STILL NOT ENOUGH ROOM, DRAINED COOLANT, REMOVED COOLANT LINES, MOVED RESERVOIR OUT OF WAY, UNBOLTED FAN SHROUD GOT OLD HUB. GOT THE NEW HUB DROPPED IN AND BOLTED IT. GOT THE FAN SHROUD MOUNTED TO ALLOW THE MOUNTING OF THE FAN. GOT THE FAN MOUNTED AND TORQUED DOWN. TIGHTEN THE SHROUD BOLTS. INSTALLED THE RADIATOR SUPPORT BOLTS. MOUNTED THE SURGE TANK. MADE ALL ELECTRICAL CONNECTIONS. NEW HUB WIRE WAS SLIGHTLY DIFFERENT. DECIDED TO WRAP IN WIRE LOOM AND ZIP TIE TO BRACKET. MADE CONNECTIONS FOR HOSES. FILLED COOLANT.

Qty	Item	Description	Price Each	Extended
	OTH-GEN	SHOP - OTHER LABOR		
1	OWI 23519398	EPWRCIPLSDRUM/BULK ANTIFRZ EXT		

Job#6 SHP-OTH SHOP - OTHER LABOR S-CUST

Condition FRONT DRIVE PINION SEAL LEAKING

Cause

Correction FOUND PARTS WERE ORDERED FOR BOTH INPUT PINION SEALS WITH REAR LEAKING WORSE THEN FRONT, UNBOLTED DL, GOT OUT OF WAY, UNBOLTED YOLKS, THE REAR YOLK WAS PRETTY STUCK ON. FOUND REAR PINION GEAR HAD EXCESSIVE PLAY IN IT, INFORMED CUSTOMER AND GOT APPROVAL TO REMOVE AND INSPECT, REMOVED PINION AND PUT IN HOTSY. SEPARATED BEARINGS FROM PINION, SMALL BEARING IS WORN DOWN AND LARGE IS NOT MUCH BETTER ALSO DAMAGED, PUT IN FOR PARTS ON THESE BUT WILL NEED TO BE ORDERED. REMOVED FRONT PINION. GOT NEW BEARING, SET UP PRESS, TRIED TO PRESS ON BEARINGS. REMOVE THE WEAR SLEEVE FROM THE YOKE. CLEAN THE YOKE & PRESS ON THE NEW WEAR SLEEVE. CLEAN THE FRONT DIFF SEAL SURFACE & INSTALL THE NEW PINION SEAL. INSTALL THE YOKE & PUT THE DRIVE LINE UP. INSTALL THE FRONT DRIVE TIRES. ADJUST ALL 4 DRIVE BRAKES. REMOVE THE FRONT BRAKE CAGE BOLTS. CLEAN THE REAR DIFF PINION CARRIER SHIMS & PINION SEAL SURFACE. INSTALLED BEARINGS ON THE PINION GEAR, INSTALLED PINION SEAL, BROUGHT ALL BACK TO BAY FROM PRESS. INSTALLED PINION GEAR AND SPACERS, GOT THE PINION TO GO IN FULLY, BOLTED UP, INSTALLED DL, PUT FLUIDS BACK IN, ADJUSTED STEER BRAKES.

Qty	Item	Description	Price Each	Extended
	OTH-GEN	SHOP - OTHER LABOR		
1	25624339	SEAL		
1	23421718	OIL SEAL		
1	A11205X2728WEL	SEAL		
1	A11205Z2730WEL	SEAL		
1	55206CWEL	BEARING		
1	72212CWEL	BEARING		
1	RU1570UMWEL	BEARING		
1	3329 40X1237	NUT		

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Sold Operations (Cont.)

Job#7 SHP-OTH SHOP - OTHER LABOR S-CUST

Condition P/S LEAK

Cause

Correction BEGAN INSPECTING POWER STEERING LINES FROM GEAR TO PUMP. PUMP HAD A WET LOOK TO IT BEFORE THE CLEANING. FOUND NO ACTIVE LEAKING. WET LOOK WAS FROM ALL THE DIRT THAT HAD BUILT UP AND THE POWER STEERING FLUID WAS COMING FROM THE WEEP HOLE. DOUBLE CHECKED ALL THE FITTINGS AT THE PUMP ALL TIGHT.

Qty	Item	Description	Price Each	Extended
	OTH-GEN	SHOP - OTHER LABOR		

Job#8 SHP-OTH SHOP - OTHER LABOR S-CUST

Condition REPLACE PASSENGER SIDE TURBO BOOTS

Cause

Correction REMOVED CAC BOOTS AND PIPE, REMOVED BOOTS FROM PIPE, ONE SIDE HAS METAL BANDS THAT NEED CUT AND REMOVED TO SWAP BOOTS ON THAT PART, REMOVED ONE METAL BAND, REMOVED OTHER METAL CLAMP, ORDERED CLAMPS TO REPLACE METAL BANDS, CLEANED OFF BOOT MATERIAL FROM PIPE, INSTALLED NEW BOOTS.

Qty	Item	Description	Price Each	Extended
	OTH-GEN	SHOP - OTHER LABOR		
2	EIH-2015	INTAKE HOSE		
1	1675066	SEAL RING		
2	BRZ B9224 0360FRU	CLAMP, 98IN LB-CT, 91-94MM		

Job#10 QI QUALITY INSPECTION S-CUST

Condition QUALITY INSPECTION

Cause

Correction

Qty	Item	Description	Price Each	Extended
	!CandA-QI	QUALITY INSPECTION		

Job#11 PICKUP IPS- PICKUP & DELIVERY S-CUST

Condition IPS- PICKUP & DELIVERY

Cause

Correction

Qty	Item	Description	Price Each	Extended
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!PICKUP
!PICKUP

PICKUP & DELIVERY
PICKUP & DELIVERY

CASH

Paid via	AuthNbr	Diagnostic/Tech Services:
CHK#1297	\$7,749.90	Labor:
	CHK#1297	Misc. Charges:
		Parts:
		Sublet:
		Prepay:
		Shop Supplies (ESC):
		Taxes:
		<hr/> Total: 7,749.90

Customer Signature: _____ Date: _____

Estimate 1073

Date: 6/28/2022

Bill To**Remit Payment To****Service Order****Purchase Order****Authorizer**

1073

Item	Description	Quantity	Rate	Amount
Complaint: INSTALL CUSTOMER SUPPLIED TURBO				
Cause: Bad turbo				
Labor Correction: Engine / Turbo / INSTALLED REMAN TURBO				
Parts	TURBO MACK WITH ACTUATOR - REMAN TURBO - A	1		
Parts	Dirty Core for TURBO MACK WITH ACTUATOR - Dirty Core for REMAN TURBO - A	-1		
Parts	Inherent Core for TURBO MACK WITH ACTUATOR - Inherent Core for REMAN TURBO - A	1		
Parts	INSTALLATION KIT - 85140248 - A	1		

Complaint: PERFORM PM SERVICE (CUSTOMER SUPPLIED 2 OIL FILTERS AND 1 COOLANT FILTER)**Cause:** Customer request**Labor Correction:**

Engine / Lubrication / PERFORMED PM SERVICE, BOTH OIL FILTERS AND COOLANT FILTER (SUPPLIED BY CUSTOMER) REPLACED FUEL FILTER AND FUEL SEPARATOR FILTER. ADDED 10 GALLONS OF 15W40 OIL.

Parts	FUEL FILTER - WIX33721 - A	1
Parts	FUEL SEPARATOR - WIX33995 - A	1
Parts	NAPA PREM BLUE 15W40 1 GAL - 773780 - A	10

Complaint: CHECK FOR FREON LEAK AT O-RING AT BOTTOM SIDE OF CONDENSER / BLOWS WARM AIR**Cause:** A/C CONDENSER CRACKED AND LEAKING**Labor Correction:**

A/C Cooling System / Fan / REPLACED A/C CONDENSER, EVACUATE AND RECHARGED A/C SYSTEM

Parts	O-RING - 20443759 - A	2
Parts	A/C CONDENSER - NFR 9241615 - A	1

Item	Description	Quantity	Rate	Amount
Complaint: WINDSHIELD WASHERS INOP				
Cause: Bad electric pump motor				
Labor	Correction:			
	Accessories / Windshield Washer / Replace electric motor pump			
Parts	WASHER PUMP - 22110112 - A	1		
Parts	WINDSHIELD WASHER FLUID - minus20 - A	1		

FREIGHT

Shop Supplies

Unit: 006 VIN: 1M1AW09Y98N001576
 2008 Mack CXU613
 Chassis: 567,327 Miles

Labor
 Parts
 Subtotal
 Local
 State
 Total

\$7,005.52 ✓

*: Core charges not included in total. You will be charged for any core that is not in returnable condition. This charge may be applied on a separate invoice.
 The details and the estimate for the repairs provided above are based on our first inspection and do not constitute a guarantee that no further work or parts will be required. The estimate is not a guarantee of the final price of the repairs. The total bill of work and final price will be as per the details available on completion of the repairs. Other terms and conditions as applicable. If you authorize us to perform the above repairs, either verbally or in writing, you agree to pay in full for the work performed and parts required.

Customer Signature: 

Printed Name:  Date: 

ALL CLAIMS AND RETURNED GOODS MUST BE ACCOMPANIED BY THIS INVOICE.
NO RETURNS ON ELECTRICAL OR SPECIAL ORDER PARTS.
NO RETURNS AFTER 30 DAYS. 15% RE-STOCK CHARGE ON ALL RETURNED PARTS.

DISCLAIMER OF WARRANTIES

Any warranties on the product sold hereby are those made by the manufacturer. The seller hereby expressly disclaims all warranties, either express or implied, including any implied warranty of merchantability or fitness for a particular purpose, and the seller neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of said products.

DATE ENTERED 26 JUL 22	YOUR ORDER NO.	DATE SHIPPED 26 JUL 22	INVOICE DATE 26 JUL 22	INVOICE NUMBER	135570H
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ACCOUNT NO. 090
R&A DONALEY
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SHIP VIA			SLSM. 7151	B/L NO.	TERMS CASH	F.O.B. POINT OMAHA NE			
QUANTITY QTY	SHIP. SHP.	PC	PART NO. 21613426			DESCRIPTION P23606 THERMOSTAT	LIST	NET	AMOUNT
1	1	0							

RETURNS SUBJECT TO 15% RESTOCKING
NO RETURNS ON SPECIAL ORDERS
NO RETURNS AFTER 30 DAYS
NO RETURNS ON ELECTRICAL PARTS
CORES MUST BE IN ORIGINAL BOX

CUSTOMER'S SIGNATURE

X

PARTS
SUBLET
FREIGHT
SALES TAX

TOTAL

\$146.51