

Date: 9/23/2022, 4:34:19 PM
Amount: \$5487.38

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DATE ARRIVED					CUSTOMER PO#		
9/23/2022							
YEAR	MAKE	MODEL	VIN	ENGINE HOURS	IN SERVICE	Component Serial #	ODOMETER
1997	MACK	DM690S	1M2B221C7VM020930	0			255912

Sold Operations

JOB #2 220

SERVICE - CHECK ENGINE OPERATION

COMPLAINT

SERVICE - CHECK ENGINE OPERATION

CAUSE

CORRECTION

Tech 4042 pulled the truck into the shop removed and replaced fuel return line noticed air leak when brakes applied found air line to the left front brake chamber rubbing the drive line removed and replaced air line. returned to service.

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Tech - 4178

Pulled truck into shop. Pulled fuel lines off going to fuel filters and fuel pump. checked for trash in the lines. Pulled supply fuel pump off and took it apart and noticed that the insides where the plunger slides at is all messed up. Installed new supply pump with new gasket. tightened the three bolts down. Hooked up fuel lines going to supply pump, fuel pump, and the fuel filters. started the truck and let it idle. Took truck on test drive and sounded and drove fine. Aligned steering wheel and checked kingpins. Kingpins don't have any back and forth play but have quite a bit up and downplay in them. Passenger side king pin cap is missing on the top.

QTY	ITEM	DESCRIPTION
1	132M/20705122	HOSE
1	132M/20705711	HOSE CLAMP
1	132M/2132-8200308	STARTER
1	132M/2191-P550219	FUEL FLTR
1	132M/2191-P550431	LIQUID FILTER
2	132M/25058340	FITTING
1	132M/25162836	HOSE
10	132M/30-FC9760026	HOSE
5	132X/3679 07480	3M SURF COND DISC, ROLOC
	LABOR 220	CHECK ENGINE OPERATION

\$3,212.00

JOB #4 ASSIST DEFAULT ASSIST JOB

COMPLAINT

TRUCK DIEING -

CAUSE

CORRECTION

pulled in check over found fuel flex line leaking remove fuel filters primary clogged piece of rust changed fuel filters cut made replaced line prime fuel system ran needs test drive steamed off zip tied wires out way
Tech - 4178

Pulled truck into shop and pulled fuel filters off. Found trash in both filters so replaced them. Blow air through the main fuel line from filters to tank and sucked the fuel out of the tank. Found trash in the tank. Tired to clean tank as best as I could. Filled fuel tank back up. Hooked fuel lines back up. Took truck on a test drive and went up steep hills to make it bog down as if it was loaded and it didn't die or try to. Would be better if we could actually run it under a true load.
4051- Pull truck in. Inspect fuel lines for kinking/ looseness, none found. Make adapter fitting to monitor fuel pressure at injection pump inlet. Prime system and run truck. Pressure fluctuating 0-40 psi. Run bypass hose from fuel tank to primary filter inlet. Prime system again and run truck. Pressure now 40 psi at idle. Recommend replace fuel line from tank to filter inlet.

4061- Pulled truck in shop, found the bad fuel line, removed it from the truck, took to parts and had them get new line fittings and new Stratoflex line. Assembled the new fuel line. Put on truck following the same routing as old fuel line. Hooked new line up to tank and up to the filter base. Hooked up pressure gauge to truck and started the truck. At idle the Fuel Pressure was 40psi. At High Idle the pressure was about 60psi. Ran truck to get air out of system and then the #6 injector line started to leak. Asked approval to replace the line, got approval and replaced the #6 injector line. Had to remove the header pipe and breather piping. Removed the old line, installed new line and put the intake and exhaust piping back on. Started truck and the line did not leak. Closed hood.

QTY	ITEM	DESCRIPTION
1	132M/20704867	FILTER
1	132M/2191-P550431	LIQUID FILTER
2	132M/25092338	HOSE CLAMP
1	132M/314GC227P5X	REMAN FUEL SUPPLY PUMP (R
-1	132M/314GC227P5X-CORE	REMAN FUEL SUPPLY PUMP (R
1	132M/314GC227P5X-CORE	REMAN FUEL SUPPLY PUMP (R
1	132M/8116-9520	PIPE SEALANT W/PTFB 35ML
20	132X/25164660	CLAMP
1	132X/EM25760	TUBE INJ MAK203GC4300M
	LABOR ASSIST	DEFAULT ASSIST
	LABOR ASSIST	TRUCK DIEING
1	CREDIT	FDC

JOB #5 999 SERVICE - ROAD TEST VEHICLE (EXTENDED)

COMPLAINT

SERVICE - ROAD TEST VEHICLE

CAUSE

CORRECTION

Took unit on road test. No issues with fuel system but steering is still binding.

QTY	ITEM	DESCRIPTION
	LABOR 999	ROAD TEST VEHICLE (EXTENDED)

Sold Operations Totals

\$4,761.31

TOTAL		\$5,487.38
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DATE ARRIVED	DATE INVOICE	SALES TYPE	CUSTOMER PO#					
5/23/2022	5/31/2022	SRM						
YEAR	MAKE	MODEL	VIN	ENGINE HOURS	IN SERVICE	Component Serial #	ODOMETER	
1997	MACK	DM690S	1M2B221C7VM020930	0			251855	

Sold Operations

JOB #1 413 SERVICE - REPAIR POWER STEERING OIL LEAKS

COMPLAINT 413- REPLACE STEERING GEAR-BTS -

CAUSE

CORRECTION R&R steering gear

QTY	ITEM	DESCRIPTION
1	132M/5839-LF637	OIL FILTER CELLULOSE CART
1	132M/8116-72331	HOSE CLAMP #10 LINED
1	132M/8148-592ST5R	STEERING GEAR
-1	132M/8148-592ST5R-CORE	STEERING GEAR
1	132M/8148-592ST5R-CORE	STEERING GEAR
1	132X/3679 BD1535	BRAKE WASH CHLOR NON-FLA
	LABOR ASSIST	413- REPLACE STEERING GEAR-BTS
1	FKT	FREIGHT

Prepay:

\$2,141.50

INVOICE REMAINING

Sold Operations (Cont.)

JOB #2 330

SERVICE - REPLACE CLUTCH ASSEMBLY

**COMPLAINT
CAUSE**

330- REPLACE CLUTCH ASSEMBLY-BTS -

CORRECTION

4556- Removed driveline and Hydraulic pump. Removed dog house and floorboard. Removed shift tower. Drained transmission. Removed motor mount bolts. Bushings were completely gone. Raised transmission and engine to support motor. built supports for motor. Disconnected clutch linkage. Removed bell housing bolts, noticed 2 were missing. Pulled transmission from motor. Installed motor support brackets. raised front of truck and pulled transmission back further to remove clutch. Removed clutch and flywheel. set flywheel up front to be re surfaced. Found Rear main seal was leaking. Removed seal and wear ring. cleaned crank shaft were seal rides. Installed new rear main. Re installed clutch and flywheel, torqued to spec. Had to tap bell housing bolt holes where bolts were missing. Lowered truck back down and removed motor support bracket and set motor back down on jackstands. Re installed transmission. re installed all bell housing bolts, replaced the 2 that were missing. torqued to spec. Raised transmission and engine to install new motor mounts. installed new mounts with all new hardware. Re installed clutch linkage, hydraulic pump, and driveline. had to replace 3 broken air fittings on transmission. Refilled transmission with new oil. greased clutch shafts and throw out bearing. Adjusted clutch. After clutch was done, replaced throttle pedal. had to cut hinge pin out of old pedal. cleaned up pin and installed in new pedal. mounted pedal and connected throttle linkage. Took truck for test drive, power steering and clutch felt good.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
1	132A/177116225	PLC Union Connector 5/32in		
1	132A/M1KUB	Transmission Mount Kit Mack		
1	132M/1000-CLA127200	2 2PC HINGE CLUTCH BRAKE		
1	132M/1000-CLU20893551H	CLUTCH,15.5X2.9SPR 6PDL C		
1	132M/25100046	BALL BEARING		
2	132M/25109354	FLANGE SCREW		
1	132M/25158604	GASKET		
1	132M/8116-90555	PIPE ADAPTER 3200X4X2		
2	132M/85132551	KIT		
1	132X/15FLY	RESURFACED FLYWHEEL		
2	132X/3679 BD1535	BRAKE WASH CHLOR NON-FLA		
1	132X/8116 9101	THREADLOCKER BLUE 6ML		
1	132X/8116 9103	THREADLOCKER RED 6 ML		
	LABOR ASSIST	330- REPLACE CLUTCH ASSEMBLY-BTS		

Sold Operations Totals

\$4,976.48

	ESTIMATED	BILLED
LABOR		
PARTS		
MISC		
SUBLET		
Prepay		
SUBTOTAL		
SHOP SUPPLIES		
MISC SUPPLIES		
TAX		
TOTAL		\$5,712.05

Please Remit Payment to:
Bruckner's Truck & Equipment
324 S BLOOMINGTON ST
LOWELL, AR 72745

Issue Date:	Mon, Jan 17, 2022 8:00 AM	Truck 20 - 1997 Mack DM 1997 Mack DM
Start Date:	Mon, Jan 17, 2022 12:00 PM	VIN/SN: 1M2B221C7VM020930
Completion Date:		License Plate:
Duration:		

Labels:

LINE ITEMS

Item

 Differential Replacement

DESCRIPTION

Total	\$3,965.00
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