



310 ALASKA FRONTAGE ROAD
 BELGRADE, MT 59714
 P: (406) 388-1505
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 Dealer Code: VUFD



BILL TO
 CHRISTOPHER G. LIZOTH - 63008
 540 HWY N
 MANSFIELD, MO 65704
 P: (417) 554-2372
 F:

DELIVER TO
 CHRISTOPHER G. LIZOTH - 63008
 540 HWY N
 MANSFIELD MO 65704
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 F:

SERVICE INVOICE: R401049808:04

DATE ARRIVED	DATE INVOICE	SALES TYPE	ADVISOR	TERMS	CUSTOMER REFERENCE			
2/8/2021 10:23:52AM	4/27/2021	SRET	DERRICKK	CARD				
YEAR	MAKE	MODEL	VIN	CUSTOMER UNIT #	ENGINE HOURS	IN SERVICE	Component Serial #	ODOMETER
2011	INTERNATIONAL	ROSTAR PREMIUM	3HSCUAPR9BN368996	8996	0		79366537 NEW E	428572

Sold Operations

JOB #1 02

EXPRESS ASSESSMENT:

COMPLAINT
 CAUSE
 CORRECTION

EXPRESS ASSESSMENT: MIL LIGHT / CEL / LOW POWER / ENGINE KNOCK
 Cylinder 3 intake valve is broken and cylinder 4 exhaust valve is coming apart.
 located unit tried to start unit was unable to due to cold weather and batteries were depleted. Made adapter to put air into unit towed unit into shop. Hooked up battery charger then hooked up to insight to review codes found one active code related to EGR misaligned then and more inactive codes code sheet is in RO. Started a guidance session and followed trouble shooting procedure for the prioritized inactive fault code causing the active fault code. Got to a point of were unit needed to be started. Started unit and smoke was bellowing out of the exhaust manifold, inspected manifold cylinder one and two exhaust manifold bolts are broken and missing. A top end knocking sound was heard removed air filter and air filter piping in order to remove valve cover removed valve cover and inspected top end nothing seemed to be amiss. Hand bard motor over to verify working components. Placed valve cover and preformed cylinder cut out test through insight cylinder 3 was dead and not contributing to motor. removed valve cover determined the rocker shafts will have to be removed for cylinder three waited for customers approval. Removed rocker shaft and injector used bore scope to inspect cylinder there is some groove wear in cylinder. Used bore scope to inspect valves saw cylinder three 2 out of 4 valves are damaged told service adviser and writer of findings head will have to be removed. Removed intake to verify findings while waiting for approval. got approval for the head to be removed. Removed electrical connections, ECM. Finished removing head and inspected head and liners. Found cylinder 3 intake valve is broken and cylinder 4 exhaust valve is also beginning to come apart. Cylinder 3 liner is scored, began looking up parts and found that the liners supersede to a liner with an anti polishing ring and they do not recommend mixing the liners. All liners will have to be replaced. Turned in a P+A for a NOW overhaul, waiting for approval before continuing disassembling. We will need to figure out if the liners are 150mm or 152mm once removed and we will also need to figure out if the connecting rods are fracture split or machined before ordering parts.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 02-10	MIL LIGHT / CEL / LOW POWER / ENGINE KNOCK		3,037.50
	LABOR 05-36	MIL LIGHT / CEL / LOW POWER / ENGINE KNOCK		1,350.00
1	ELECT	101716504 ELECTRONIC HOOKUP FEE	35.00	35.00

Prepay: \$0 Parts: \$0 Labor: \$4,387.50 Misc: \$35.00 Sublet: \$0 \$4,422.50

JOB #2 05-36 MISC REPAIR (BELTS, HOSE, BOLTS ECT.)

COMPLAINT REPORTED WEAK AIR COMPRESSOR
 CAUSE
 CORRECTION RESOLVED WITH RECON ENGINE

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE



Sold Operations (Cont.)

Prepay: Parts: Labor: Misc: Sublet:

JOB #3 05-36 MISC REPAIR (BELTS, HOSE, BOLTS ECT.)

COMPLAINT R&R CLUTCH

CAUSE

CORRECTION Removed clutch off old engine sent out flywheel removed bell housing and input shaft. Cleaned all surfaces pressure washed bell housing pressed out clutch fork bushings. Drove new ones in installed new input shaft snap rings bearing and installed housing verified operation. Installed flywheel and clutch onto new motor

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 05-36	R&R CLUTCH		270.00
1	401D/FUL K3600	CLUTCH INSTALL KIT *D	247.05	247.05
1	401D/SP 308925 20	CLUTCH-EASYPEDAL AD 1860FT	861.69	861.69
1	5066	GRIND FLYWHEEL	121.50	121.50
1	401D/SP CLT008P	HOSE-8IN,LUBE TUBE	12.67	12.67

Prepay: \$0 Parts: \$1,121.41 Labor: \$270.00 Misc: \$0 Sublet: \$121.50 \$1,512.91

JOB #5 05-36 MISC REPAIR (BELTS, HOSE, BOLTS ECT.)

COMPLAINT ENGINE SWING

CAUSE

CORRECTION towed unit into bay. Started disassembly of motor and trans. Pulled motor and trans as a unit. switched parts from old motor to new motor. Removed trans and clutch to place new clutch. everything is switched over besides one air fitting on the air compressor from the old to the new. Swapped over more parts from old engine to new. Set engine in frame. connected wires and hoses placed rad and continued placing hoses ordered parts. Connected all lines and hoses verified all connections were made. Primed unit and started unit verified coolant level and oil level test drove unit around shop cleaned bay topped off all fluids and preformed regen on unit temps wont reach above 450-470 more diag will need to be preformed so far no fluid leaks are noticeable coolant system pressure tested good. Fan hub is leaking turned in PA slip for new fan hub trans has minor leaks and checked trans fluid level.



Sold Operations (Cont.)

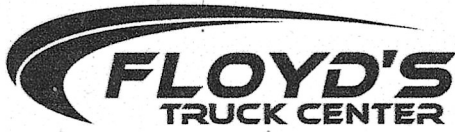
QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 05-36	REPAIR MISC(BELTS,HOSES,ECT.)		7,479.00
1	401I/V500P-4	VALVE, BALL, BR, THRD, 150 LB	10.56	10.56
1	401D/FG AF26103	AIR FILTER *D	94.55	94.55
1	401D/FG FS19905G	FUEL WATER SEPERATOR FILTER *D	17.20	17.20
12	401D/MBL 103126	BULK/GAL DELVAC ELC 50/50	13.93	167.16
1	401X/5060635	BELT	36.96	36.96
1	401X/K120870HD	BELT	52.09	52.09
1	401C/DR6436RX	ENG ISX 15 07 B 450@1800	33,920.00	33,920.00
1	401C/DR6436RX-CORE	(DR6191D) ENG ISX 15 07 B 450@	13,110.00	13,110.00
-1	prepay	PREPAY (NPT WARRANTY)	11,201.31	-11,201.31
1	FRT	101703003 FREIGHT	584.53	584.53
3	401C/3103423	SCREW,TWELVE POINT CAP	6.95	20.85
1	401D/PSM 3500107	ENGINE HEATER 1500W, 120V, *D	73.67	73.67
2	401D/BRZ 9216H	CLAMP-HOSE,13/16-1 1/2IN,1/ *D	1.38	2.76
2.50	401I/7093-100-304	HOSE-HEATER 1"ID X 50' BLACK	2.81	7.03
1	401I/FG1	WIRE LOOM 1" X 25' SPLIT	1.51	1.51
2	401I/16773	GR. 8 HX HD CAP SCR-BL 3/4-10X	3.07	6.14
2	401I/16748	GR. 8 HX HD CAP SCR-BL 5/8-11X	1.91	3.82
2	401I/40918	5/8 FLANGE NUT	0.96	1.92
4	401I/76518	HARDENED FLAT WASHER-BL 3/4 SA	0.33	1.32
2	401I/57120	ALL METAL LOCK NUT 3/4-10 PLAI	1.48	2.96
2	401X/NAV 1664724C4	INSULATOR, ENGINE MOUNT	124.27	248.54
2	401X/NAV 3613279C4	INSULATOR, ENGINE MOUNT	286.55	573.10
1	401C/4988280	GASKET,HYDRAULIC PUMP	3.84	3.84
1	401D/FG FF2200	FUEL FILTER *D	27.67	27.67
1	401D/FG LF14000NN	LUBE FILTER NANO NET *D	59.29	59.29
1	401L/LFW2126	LUBERFINER PRODUCT	67.82	67.82
2	401C/3963990	WASHER,SEALING	3.42	6.84
1	401C/4026684	GASKET,OIL PAN	231.20	231.20
1	401D/SMC KV2L11 34S	ELBOW-90 3/8 NYL	2.85	2.85
1	401I/15178	MET 10.9 HX HD CAP SCR M10X1.5	0.61	0.61
1	401X/3533425C3	FITTING FUEL 90	44.85	44.85
1	401X/2614861C92	KIT AC SEALS	60.12	60.12
1	401X/26164R1	ORING	41.82	41.82
1	401X/3533426C3	FITTING,FUEL 3/8 ST	53.05	53.05
8	401D/PH HTFL8BBRN500	HIGH TEMP. FUEL LINE	1.62	12.96
1	401D/PSM 8608814	HARNESS ASSY *D	58.10	58.10
1	401D/23-14395-005	ELBOW-45,PTC., 12 MPT TO .25 NT	3.26	3.26
12	401D/MBL 23512740	BULK/GAL DDE GENUINE 15-40	15.58	186.96
1	401I/9166	ULTRA GREY GASKET MAKER PEX	11.12	11.12
-1	401C/DR6436RX-CORE	(DR6191D) ENG ISX 15 07 B 450@	13,110.00	-13,110.00
-1	PREPAY	PREPAY (NPT WARRANTY)	16,431.36	-16,431.36
-1	PREPAY	CUSTOMER PAYMENT	5,000.00	-5,000.00

Prepay: \$0 Parts: \$36,114.50 Labor: \$7,479.00 Misc: \$(32,048.14) Sublet: \$0 \$11,545.36

JOB #7 05-36 MISC REPAIR (BELTS, HOSE, BOLTS ECT.)

COMPLAINT PRESSURE TEST COOLING SYSTEM/RADIATOR
CAUSE

CORRECTION replaced surge tank. ran unit outside inspected for leaks, in the morning fluid level will be topped off and pressure tester hooked up. pressure tested cooling system and all is good



Sold Operations (Cont.)

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 05-36	REPAIR MISC(BELTS,HOSES,ECT.)		135.00
1	401D/05-21712-001	HOSE-CLNT,UPR,C11,LC,E	77.85	77.85
1	401D/FLV FRE5515 250C TEMP	SLEEVE HOSE SLV SDR BLU 2.50IN	17.66	17.66
6	401D/BRZ CT 300 L SS	CLAMP-CT,HOSE,2 1/4-3 1/8,5 *D	6.42	38.52

Prepay: \$0 Parts: \$134.03 Labor: \$135.00 Misc: \$0 Sublet: \$0 \$269.03

JOB #8 05-36 MISC REPAIR (BELTS, HOSE, BOLTS ECT.)

COMPLAINT FAN HUB REPLACEMENT
 CAUSE
 CORRECTION R&R'd fan hub. Verified proper operation.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 05-36	FAN HUB REPLACEMENT		540.00
1	401D/HOR 79A9833	CLUTCH DMA SE 24, REMAN CUM *D	673.88	673.88
1	401D/HOR 79A9833-CORE	CLUTCH DMA SE 24, REMAN CUM *D	600.00	600.00
1	FRT	101703003 FREIGHT	100.00	100.00
-1	401D/HOR 79A9833-CORE	CLUTCH DMA SE 24, REMAN CUM *D	600.00	-600.00

Prepay: \$0 Parts: \$673.88 Labor: \$540.00 Misc: \$100.00 Sublet: \$0 \$1,313.88

JOB #9 05-36 MISC REPAIR (BELTS, HOSE, BOLTS ECT.)

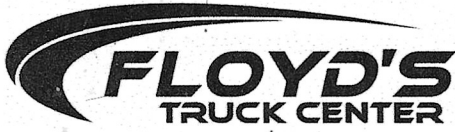
COMPLAINT EXHAUST WON'T GET UP TO TEMP TO RUN A REGEN
 CAUSE
 CORRECTION Removed aftertreatment fuel doser and elbow. Doser was plugged up and looks like tip blew off. Will verify and put in parts slip as well as check doc. Verified nozzle being gone on injector. Removed inlet pipe to DOC and inspected for face plugging. None found. Need to replace aftertreatment fuel doser then run another regen and observe parameters in exhaust system diagnostics to verify all systems are working as they should. If no problems are found in any other parameters then a faulty doc is suspected. Pulled truck in and drained coolant. Replaced the doser and O-rings for coolant lines. Found exhaust was missing gaskets. Installed new gaskets and assembled exhaust. Pulled vacuum on cooling system and filled system. Used 3 gals to top off system. Started engine and found voltage for batteries wasn't going up. Checked for power at alternator and didn't even have battery power. Found that the power wires at starter were installed to ground stud. Had to spend time installing cables on hot stud at starter. Started engine and verified battery charge. Pulled outside and started regen and logged data. Temps are raising now and regen is looking good. Regen passed with no issues. Parked truck.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 05-36	EXHAUST WON'T GET UP TO TEMP TO RUN A REGEN		1,350.00
1	frt	101703003 FREIGHT	50.00	50.00
1	401C/3684355	GASKET,EXH OUT CONNECTION	15.31	15.31
1	401C/4309454RX	KIT,AFT INJECTOR SERVICE	488.95	488.95
1	401C/4309454RX-CORE	(4955465D) KIT,AFT INJECTOR SE	8.63	8.63
2	401C/3949781	SEAL,O RING	6.04	12.08
1	401C/3957131	SEAL,O RING	1.91	1.91
1	401C/2866636	GASKET, AFM DEVICE	11.78	11.78
-1	401C/4309454RX-CORE	(4955465D) KIT,AFT INJECTOR SE	8.63	-8.63

Prepay: \$0 Parts: \$530.03 Labor: \$1,350.00 Misc: \$50.00 Sublet: \$0 \$1,930.03

JOB #10 05-36 MISC REPAIR (BELTS, HOSE, BOLTS ECT.)

COMPLAINT CUSTOMER REQUEST TO REMOVE SPEED LIMITING PARAMETERS.
 CAUSE
 CORRECTION Checked parameters and the max vehicle speed is 120mph. Cruise control was set at 85mph not 65mph. Printed parameters and highlighted them.



SERVICE INVOICE: R401049808:04

ESTIMATE: E401015256

Sold Operations (Cont.)

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 05-36	CUSTOMER REQUEST TO REMOVE SPEED LIMITING PE		67.50
Prepay: \$0 Parts: \$0 Labor: \$67.50 Misc: \$0 Sublet: \$0				\$67.50

Factory Warranty. We do not guarantee that any repairs you request will be covered by your manufacturer warranty. We do not issue your warranty; we are merely a factory-authorized warranty repair facility. We will do our best to determine your warranty coverage prior to the repair, and we will submit to the manufacturer repairs that we believe qualify for manufacturer warranty coverage. But the manufacturer may deny your claim. In the event the manufacturer denies your claim, you are fully responsible for all charges incurred.

Workmanship Warranty; Disclaimer. We warranty labor and/or workmanship for 30 days following the completion of repair. No claim will be honored past the stated 30-day period. We expressly disclaim all other warranties, either express or implied, including any implied warranties of merchantability or fitness for a particular purpose. We do not assume nor authorize any other person to assume for it any liability in connection with the sale of the parts or repair. In no event are we liable to you or any third-party for any indirect, special, punitive, incidental, or consequential damage connected to, or arising out of, our work on your vehicle whether the damage arises from breach of contract or tort or whether we have been previously advised of the possibility of such damage. If we are found liable to you for any damage, our damages are limited to the replacement of parts and/or the labor cost of repeating the service.

Payment. All charges for repairs, including labor and materials, are due at or before the time we tender the vehicle to you. We may tender the vehicle to you through a phone call, mail, email, or any other means of communication that shows, upon payment, we are returning the vehicle to your custody. If any charges remain unpaid for 30 days past due, we may hire attorneys to help with collection, and you are responsible for paying those attorney's fees. Further, we will charge you interest monthly on all past due amounts at a rate of 16% per annum.

Storage Charge. If you do not take custody of the vehicle within three days after we tender the vehicle to you, we will charge you a storage fee of \$25.00 per day.

LABOR	\$14,229.00
PARTS	\$38,573.85
MISC	\$-31,863.14
SUBLET	\$121.50
PREPAY	\$0.00
SUBTOTAL	\$21,061.21
SHOP SUPPLIES	\$500.00
MISC SUPPLIES	\$0.00
TAX	\$1,625.82
TOTAL	\$23,187.03

Please Remit Payment to:
 FLOYD'S TRUCK CENTER
 P.O. BOX 327
 BELGRADE, MT 59714

AUTHORIZED BY _____ DATE _____

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