



SERVICE ORDER: R103005122

ESTIMATE: E103001694

*inframe + injectors total \$71,156.<sup>57</sup>*  
*Work orders*

**Authorization of Repairs & Warranty**

I hereby authorize the repair work herein set forth to be done along with the necessary material and agree that you are not responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft or any other cause beyond your control or for any delays caused by unavailability of parts or delays in parts shipments by the supplier or transporter. I hereby grant you and/or your employees' permission to operate the vehicle herein described on streets, highways or elsewhere for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on above vehicle to secure the amount of repairs thereto. The dealership is not responsible for damages from freezing due to lack of antifreeze.

I agree that any warranty coverage noted on this statement of account is based solely on New West Truck Centres estimate of warranty coverage and that I remain responsible for any portion of the charges incurred which is shown as being covered by warranty if the warranty coverage is not accepted by the manufacturer and I agree that such rejected amount should be charged to my account and that I will promptly pay such amount.

	ESTIMATED	BILLED
LABOR		\$5,781.20
PARTS		\$8,579.05
MISC		\$107.25
SUBLET		\$403.08
DEPOSIT		\$0.00
<b>SUBTOTAL</b>		<b>\$14,870.58</b>
SHOP SUPPLIES		\$500.00
MISC SUPPLIES		\$0.00
TAX		\$768.53
<b>TOTAL</b>		<b>\$16,139.11</b>

PRINTED NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**Pre-Work Disclaimer**

I agree to receive New West Truck Centres newsletter containing news, updates and promotions regarding New West Truck Centres products. You can withdraw your consent at any time. Please refer to our Privacy Policy or contact us for more details.

X

**Emissions Disclaimer**

I agree this vehicle emissions system has not been defeated, modified or deleted. New West Truck Centres assumes no responsibility for damage to any aftermarket or modified component as a result of our diagnostics or repairs. Do you authorize New West Truck Centres to undertake any no charge outstanding recalls, field service modifications or campaigns recommended by the manufacturer to the chassis or engine.

X

Please Remit Payment To:  
 New West Freightliner Inc.  
 5925 79 Ave SE  
 Calgary, AB T2C 5K3  
 GST#: 100731173

*Beef-7685.29*  
*Dairy-7685.29*

*Mark Eng.*



Lethbridge  
 1001 41 ST. NORTH  
 LETHBRIDGE, AB T1H 6J3  
 P: (403) 327-7611

BODYSHOP  
 5783 80TH AVE SE  
 CALGARY, AB T2C4S6  
 P: (825) 257-5782

SERVICE ORDER: R103005122  
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BILL TO  
 CSPRING FARMING CO. LTD. - 10046  
 BOX 519  
 MAGRATH AB T0K 1J0  
 P: (403) 758-6701

DELIVER TO  
 CSPRING FARMING CO. LTD. - 10046  
 BOX 519  
 MAGRATH AB T0K 1J0  
 P: (403) 758-6701

DATE INVOICE	SALES TYPE	ADVISOR	TERMS	PO #				
	SRET	3307	NET30					
YEAR	MAKE	MODEL	VIN	CUSTOMER UNIT #	ENGINE HOURS	IN SERVICE	Component Serial #	ODDMETER
2011	FREIGHTLINER	M2	1FVHC5CV4BHAV9403		14,443	5/24/2010		53781

**Sold Operations**

**JOB #1 MILEAGE PLEASE OBTAIN CURRENT MILEAGE & ENGINE HOURS FOR UNIT**

COMPLAINT PLEASE OBTAIN CURRENT MILEAGE & ENGINE HOURS FOR UNIT  
 CAUSE  
 CORRECTION

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE

Prepay: Parts: Labor: Misc: Sublet:

*Spring Farming*



Sold Operations (Cont.)

JOB #2 CO

SERVICE CALL OUT

COMPLAINT

SERVICE CALL OUT ~ DIAGNOSE UNIT RUNNING ROUGH

CAUSE

CORRECTION

SERVICE CALL TO C SPRING FARMS SHOP SOUTH OF MAGRATH . 145KM DRIVING KM . 1.5 HRS DRIVING TIME

REMOVE AND REPLACE CYLINDER #4 UNIT PUMP. REMOVED LEFT FRONT FENDER . REMOVED INTAKE PIPING . REMOVED FUEL FILTER ASSEMBLY REMOVED PLASTIC COVERS REMOVED INTAKE MANIFOLD . REMOVED UNIT PUMP #4 HIGH PRESSURE FUEL LINE . REMOVED #4 UNIT PUMP , CLEAN PARTS . INSTALL NEW UNIT PUMP FOR #4 CYLINDER TORQUE HOLD DOWN BOLTS TO 47FT LBS . INSTALL NEW HIGH PRESSURE FUEL LINE , TORQUE LINE NUTS TO 37 FT LBS . INSTALL INTAKE MANIFOLD , INSTALL FUEL FILTER ASSEMBLY CONNECT ALL FUEL LINES WITH NEW SEALING RINGS TORQUE ALL FUEL LINES TO 35 FT LBS . INSTALL INTAKE PIPES TO INTAKE MANIFOLD . LEFT THE PLASTIC COVERS OFF AS PER CUSTOMER REQUEST . INSTAL LEFT FRONT FENDER . PRIME FUEL SYSTEM START ENGINE . ROAD TEST WITH LOAD OF FEED IN MIXER ROAD TESTED FOR ABOUT AN HOUR . CUT OUT THE INJETORS WITH DDDL ALL CYLINDERS ARE WORKING THE FUEL KNOCK THAT WAS PRESENT BEFORE IS GONE ENGINE RAN GOOD DURING ROAD TEST MONITORED TPS DURING ROAD TEST . TPS HELD THE REQUESTED POSITION ALL THE TIME . THERE ARE 6 ACTIVE CODES ALL THE TIME DUE TO THE DPF DELETE PROGRAMING AND THE MISSING CAC . INSPECT FOR ANY FUEL LEAKS AFTER ROAD TEST NO FUEL LEAKS PRESENT.

service call to c springs farm south of mackintire ranch south of magrath . 200 km total mileage cause HAD TO DRIVE BACK TOWARDS MAGRATH FOR CELL SERVICE. 2 HOURS TOTAL DRIVE TIME . DIAGNOS ENGINE FOR ROUNNING ROUGH AT TIMES . HAD TO RIDE WITH OPERATOR WHILE FEEDING TO FIND PROBLEM . BECAUSE THE PROBLEM WAS NOT CONSTANT . WHEN IT WOULD HAPPEN IF UNIT WAS DROVE IN FULL FUEL IT WOULD GO AWAY . FOUND THAT THERE WAS A FUEL KNOCK AT TIMES . CUT OUT THE CYLINDER INJECTORS WITH DDDL , FOUND THAT THE PROBLEM WAS WITH #4 CYLINDER , THE KNOCK WOULD GO AWAY WHEN #4 CYLINDER WAS CUT OUT . ALL 6 INJECTORS WERE REPLACED DURING ENGINE REBUILD . ORDERED A UNIT PUMP FOR THIS ENGINE . THE UNIT PUMP IN CYLINDER #4 IS THE SUPPECTED PROBLEM . AFTER FUEL LEAK WAS REPAIRED ENGINE DID NOT RUN ROUGH . DID A CYLINDER CUT OUT TEST WITH DDDL ALL CYLINDERS ARE WORKING , ENGINE RAN FINE WHILE MIXING A LOAD AT 1800 RPM DID NOT HAVE A MISS OR RUN ROUGH .

\*\*\*\* NO CHARGE LABOUR CUSTOMER SATISFACTION \*\*\*

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
17.20	LABOR CO	SERVICE CALL OUT ~ DIAGNOSE UNIT RUNNING ROUG		



Sold Operations (Cont.)

JOB #3 1-0

ENGINE

COMPLAINT

DIAGNOSE UNIT RUNNING ROUGH

CAUSE

2 FAILED INJECTORS

CORRECTION

2023-09-18 16:17:11

3301- TEST DROVE UNIT AROUND BUILDING, UNIT SHOULD RUN MORE SMOOTH THAN IT DOES. PERFORMED CYLINDER CUT OUT , THERE IS A DIFFERENCE IN ENGINE SOUND WITH EACH CYLINDER THAT IS CUT OUT. TRIED RELATIVE COMPRESSION TEST, TEST WOULD NOT COMPLETE, NOT SURE WHY. INSTALLED FUEL GUAGE TO MEASURE PUMP PRESSURE, FOUND 60 PSI AT IDLE AND 70 AT 1800 RPM, AT 1800 RPM THERE SHOULD BE 90-95 PSI. INSTRUCTED TO BYPASS SUCTION SIDE OF FUEL SYSTEM, BYPASSES SUCTION SIDE WITH ALTERNATE FUEL LINE. PRESSURES THE SAME TO LOW. INSTRUCTED TO REMOVE AND REPLACE MERCEDES FUEL FILTER, REMOVED AND REPLACED FUEL FLTER, PRESSURES THE SAME, TO LOW. INSTRUCTED TO REMOVE AND REPLACE FUEL OVERFLOW VALVE.

2023-09-21 10:50:21

3301- REMOVED BOTH FENDERS , REMOVED FRONT CAB MOUNTS, RAISED FRONT OF CAB TO ACCESS FUEL OVERFLOW VALVE. REMOVED REAR FUEL LINE COVER, SIDE COVERS PREVIOUSLY REMOVED. REMOVED RETURN LINE FROM O VERFLOW VALVE, REMOVED OVER FLOW VALVE. OVERFLOW VALVE CAME APART UPON REMOVAL.

2023-09-22 10:31:57

3301- AS LISTED IN LOW POWER ROUGH RUNNING TROUBLE SHOOTING, RAN ENGINE TO OPERATING TEMP . STARTED IDLE SPEED BALANCE TEST, TEST PASSED, THE MAX DEVIATION WAS #2 AT -40. DISCONNECTED INTAKE AIR TEMP SENSOR, AND TEST DROVE UNIT, UNIT RUNS THE SAME, DISCONNECTED FUEL TEMP SENSOR, UNIT RUNS THE SAME, DISCONNECTED CONSTANT THRITTLE VALVE SOLENOID, TEST DROVE UNIT.

2023-09-22 11:49:31

THERE DOESNT SEEM TO BE DIFFERENCE WITH CONSTANT THROTTLE VALVE SOLENOID DISCONNECTED. DISCONNECTED AIR INTAKE PIPING, ACTUATED INTAKE THROTTLE VALVE WITH DDDL , ACTIVATED TURBO VGT ACTUATOR, TURBO ACTUATOR RESPONDS. RAN ENGINE WITH INTAKE MANIFOLD TEMP PRESSURE SENSOR DISCONNECTED, ENGINE PERFORMANCE THE SAME. REMOVED AIR INLET MANIFOLD PRESSURE /TEMP SENSOR, FOUND SENSOR BROKEN. REPLACED SENSOR.

2023-09-22 14:38:51

3301- CHECKED BAROMETRIC PRESSURE SENSOR READING, BARO SENSOR READING AT 13.8 PSI BYPASSED PRIMARY FUEL FILTER, REMOVED RETURN FUEL LINE, MADE SURE THERE WAS NOTHING IN IT CAUSING RESISTANCE. REMOVED AIR FILTER TURNED UPSIDE DOWN REMOVED CHAF, NOTHING MADE A DIFFERENCE. CHECKED THROTTLE POSITION SENSOR USING DDDL, THROTTLE POSITION SENSOR REGISTERS THROUGH THE ENTIRE SWEEP.

2023-09-22 15:41:44

3301- CUT OUT EACH CYLINDER WHILE DRIVING UNIT AROUND SHOP. THERE WAS NO DIFFERENCE WITH ANY CYLINDER CUT OUT.

STARTED TECH SUPPORT CASE AND WAS TOLD BY DAIMLER TECH SUPPORT THAT THIS UNIT HAS A EMISSION DEFEAT IN IT AND THEY WILL NOT PROVIDE TECHNICAL SUPPORT.

2023-11-06 17:08:15

3301- TOOK UNIT FOR DRIVE. MADE LOG FILE, GOT IN CONTACT WITH CURTIS OUR IN HOUSE TRAINER, SENT LOG FILE, CREATED TEMPLATE OF INJECTOR PERFORMANCE. CHART SHOWS #4 AND #5 NOT PERFORMING AS THE OTHERS. DISCUSSED AND DECIDED TO CHANGE INJECTORS #4 AND #5 WITH #1 AND #2. REMOVED: VALVE COVERS, INJECTOR HARNESS HOUSINGS, HIGH PRESSURE FUEL LINES, TRANSFER TUBES AND INJECTORS, TO REMOVE INJECTOR #5 TRANSFER TUBE, INTAKE MANIFOLD HAD TO BE REMOVED, TOE REMOVE INTAKE MANIFOLD BACK BOLT, COVER AT BACK OF ENGINE HAD TO BE REMOVED, TO REMOVE COVER AT BACK OF ENGINE, CBA HAD TO BE RAISES, TO RAISE CAB, FENDERS HAD TO BE REMOVED, RAILING AT FRONT OF FEED BOX REMOVED AND RAISED FRONT OF CAB, PLACED NEW O-RINGS AND COPPER SEAL ON INJECTORS, INSTALLED INJECTORS 4 AND 5 IN 1 AND 2 POSITIONS, 1 AND 2 INJECTORS IN 4 AND 5 POSITIONS. INSTALLED TRANSFER TUBES AND RETAINING NUT AND NEW HIGH PRESSURE FUEL LINES. FOUND 2 INJECTORS HAVE FAILED. INJECTORS TO BE REPLACED UNDER WARRANTY

\*\*\* 70 HOURS LABOUR REMOVED FOR CUSTOMER GOOD WILL \*\*\*

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
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SERVICE ORDER: R103005122

ESTIMATE: E103001694

Sold Operations (Cont.)

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
1.00	103D/DDE RA0280748802	INJ OM 457/ 460LA EURO V	1,000.94	1,000.94
1.00	103D/DDE A4600700033	HP FUEL PIPE	56.56	56.56
1.00	103D/DDE A4600700033	HP FUEL PIPE	56.56	56.56
37.00	LABOR 1-0	DIAGNOSE UNIT RUNNING ROUGH		5,513.00
1.00	103D/DDE A5410900151	FUEL FILTER	31.77	31.77
1.00	8P	GOVERNMENT EHC CHARGE 8P	1.00	1.00
1.00	103D/DDE A0089975072	FITTING	26.20	26.20
1.00	FRT	FREIGHT	80.00	80.00
1.00	103D/DDE A4600700546	PRESS. VALVE	66.50	66.50
6.00	103D/DDE N000000001070	SEALING RING, M16	2.60	15.60
1.00	103D/DDE A0101535428	SENSOR, INTAKE PRESSURE AND TE	69.17	69.17
0.00	LABOR 1-0	DIAGNOSE UNIT RUNNING ROUGH		0.00
3.00	103D/BRZ 9206H	CLAMP-HOSE,7/16-25/32IN, 1/2 I	3.50	10.50
1.00	103D/DDE A0001802909	OIL FILTER	36.12	36.12
1.00	8P	GOVERNMENT EHC CHARGE 8P	1.25	1.25
5.00	103D/DDE RA0280748802	INJ OM 457/ 460LA EURO V	1,000.94	5,004.70
1.00	103D/DDE A4600700033	HP FUEL PIPE	65.48	65.48
1.00	103D/DDE A9060170524	Fuel Line Nozzle Adapter	59.30	59.30
1.00	103D/DDE A4570910180	GASKET	16.89	16.89
3.00	103D/48-25049-010	HOSE-LOW PRESS,PUSH ON	17.36	52.08
2.00	103D/DDE N000000001070	SEALING RING, M16	2.60	5.20
2.00	103D/DDE N000000001071	SEAL RING	8.25	16.50
6.00	103D/DDE A0239976448	O-RING	10.97	65.82
6.00	103D/DDE A0239976548	O-RING, REAR ENGINE PTO	9.34	56.04
6.00	103D/DDE A4600700033	HP FUEL PIPE	65.48	392.88
1.00	103D/DDE A4600700546	PRESS. VALVE	66.50	66.50
8.00	103D/48-25581-501	TUBE-NYLON REINF,5/8 B	9.68	77.44
1.00	103D/23-09444-150	SCREW-CAP,HEX5/8-11X1.	6.67	6.67
2.00	103D/23-13833-108	NUT-HEX,PT,1/2-13,GR C,ZN/AL.,	1.28	2.56
2.00	103D/DDE N000000001070	SEALING RING, M16	2.60	5.20
25.00	103D/GRO 85 6029	HEAVY DUTY TIE WRAP, 15 1/4 *D	0.92	23.00
25.00	103D/GRO 85 6021	STANDARD TIE WRAP, 11 3/4In *D	0.52	13.00
2.00	103D/DDE N000000001070	SEALING RING, M16	2.60	5.20
6.00	103D/DDE A9060170524	Fuel Line Nozzle Adapter	46.14	276.84
6.00	103D/DDE A9060170860	INJ. SEAL	28.73	172.38
6.00	103D/DDE A5419970545	SEAL RING	14.14	84.84
1.00	FRT	FREIGHT	25.00	25.00
2.00	103D/DDE N000000001069	SEALING RING, M14	3.56	7.12
4.00	103D/DDE A4600700033	HP FUEL PIPE	65.48	261.92
4.00	103D/DDE A5419970545	SEAL RING	14.14	56.56
4.00	103D/DDE A9060170524	Fuel Line Nozzle Adapter	59.30	237.20
4.00	103D/DDE A9060170860	INJ. SEAL	28.73	114.92

Prepay: \$0.00 Parts: \$8,516.16 Labor: \$5,513.00 Misc: \$107.25 Sublet: \$0.00 \$14,136.41



SERVICE ORDER: R103005122

ESTIMATE: E103001694

**Sold Operations (Cont.)**

**JOB #4 CO**

**SERVICE CALL OUT**

**COMPLAINT  
CAUSE**

SERVICE CALL OUT TO C SPRING FARMS FOR ROUGH RUNNING ENGINE  
PFP# DDE4600100351



## Sold Operations (Cont.)

## CORRECTION

2023-10-02 15:08:11

3301- LEFT SHOP 8:00 AM ODOMETER READING AT 246502 KM, ARRIVED AT CRYSTAL SPRING COLONY 9:00 AM ODOMETER READING 246574. ARRIVED BACK AT SHOP 2:30 246643 KM.

GATHERED LAPTOP FOR DETRIOT AND LAPTOP FOR ALLISON WITH DOC PROGRAM. TEST DROVE UNIT WITH CUSTOMER, UNIT STILL DOES THE STUMBLE STARTING AT 1150 AND ENDING AT 1400 RPM, ONCE UNIT IS ABOVE 1400 RPM IT RUNS GOOD AND HAS LOTS OF POWER.

WHILE TEST DRIVING CUT OUT EACH CYLINDER INDIVIDUALLY, UNIT RUNS THE SAME. CUT OUT 1,3,AND 5, UNIT RUNS THE SAME, CUT OUT 2,4 AND 6 UNIT DOES THE SAME.

MONITORED FUEL MASS COMMANDED AND ACTUAL, ACTUAL ALWAYS NEAR OR EXACLY OF COMMANDED. DISCONNECTED TURBO ACTUATOR V-POD, UNIT RUNS THE SAME, DISCONNECTED, CONSTANT THROTTLE VALVE SOLENOID UNIT RUNS THE SAME, DISCONNECTED INTAKE PRESSURE, INTAKE TEMP, VPOD, TURBO INLET, INTAKE MANIFOLD TEMP, ONE AT A TIME, DRIVING UNIT WITH OPERATOR, ENGINE RUNS THE SAME BETWEEN 1150-1350. DISCONNECTED AIR INTAKE, AND EXHAUST BYPASSING DPF, UNIT RUNS THE SAME, CONNECTED FUEL PRESSURE GUAGE WHILE, OPERATOR RAN ENGINE, ENGINE RUNS THE SAME AND FUEL PRESSURE IS CONSTANT.

2023-10-05 16:26:34

3301- WITH OPERATOR PERFORMING STALL TEST, CHECKED FUEL RETURN LINE IN FUEL TANK FOR AIR, THERE IS NOT SUDDEN AIR IN RETURN LINE WHEN UNIT STARTS TO RUN ROUGH. PROGRAMMED TEST CPC AND TEST MCM, INSTALLED THERE IS NO CHANGE, PLACED CAP OVER COMPUCHEC VALVE THERE IS NO CHANGE.

2023-10-05 16:45:03

3301- VERIFIED ALL PRESSURE SENSORS READING NEAR 13.0 PSI WITH KOEO

2023-10-06 12:30:32

3301- REMOVED AIR COPRESSOR SUPPLY LINE, AND REMOVED VALVE COVERS, LOOSENED TRANS COOLER LINES MOUNTING BRACKETS AT ENGINE TURN TOOL LOCATION, TO INSTALL ENGINE TURN TOOL. PERFORMED VALVE SET, REINSTALLED VALVE COVERS, AND SECURED TRANS COOLER LINES, CONNECTED AIR COMPRESSOR SUPPLY LINE. ENGINE RUNS THE SAME. ACTUATED EXHAUST BRAKE, MONITORED CYLINDER STROKE, RAN ENGINE WITH EXHAUST BRAKE ON AND OFF, UNIT RUNS THE SAME. RAN ALTERNATE FUEL SUCTION LINE A SECOND TIME UNIT RUNS THE SAME.

2023-10-06 15:33:11

3301- DISASSEMBLED FUEL FILTER MODULE LOOKED FOR POSSIBLE PROBLEM, NOTHING FOUND, RAN UNIT WITH AIR LINE TO WASTEGATE ACTUATOR PINCHED NO CHANGE. RAN UNIT WITH EGR VALVE CONNECTED AND DISCONNECTED NO CHANGE.

2023-10-10 08:48:03

3301- DTNA PARTNER RESPONDED TO TICKET, REQUESTING FUEL PRESSURES READINGS AT PRIMING PORT, INFORMED HIM FUEL PRESSURE AT IDLE 60 PSI, AT RATED SPEED 80-82 PSI, AT ENGINE STUMBLING 1100-1400 RPM 70 PSI, INFORMED HIM OF DELETE PERFORMED ON THIS UNIT. DOWNLOADED AND UPLOADED DDEC REPORTS IN XTR FORMAT.

2023-10-10 12:18:29

3301- REMOVED VALVE COVERS AND VERIFIED THAT INJECTOR CALIBRATION CODES ARE CORRECT, MONITORED BATTERY VOLAGE WHILE UNIT IS BROUGHT UP TO 1200 RPM BATTERY VOLTAGE DOESNT CHANGE. REMOVED AIR INTAKE HOUSING AIR INLET TEMP AND AIR INLET PRESSURE, RAN ENGINE WITH HOUSING REMOVED, UNIT RUNS THE SAME. REMOVED OIL FILTER, CUT OPEN, CHECKED FOR EXCESSIVE FILINGS, THERE ARE NO ACCESSIVE FILINGS IN OIL FILTER.

2023-10-10 16:34:32

3301- WASHED DIRT FROM VIBRATIONAL DAMPER, NO DIFFERENCE. REMOVED REAR ENGINE PTO SHAFT, NO DIFFERENCE. CSC INDICATED THEY ARE NOT WILLING TO HELP SINCE UNIT IS DELETED. DISCONNECTED AND REPLACED O-RING AT FUEL MANIFOLD INLET, NO CHANGE.

2023-10-11 16:53:11

3301- REMOVED FUEL PUMP GEAR PUMP, PLACED 22 FT/LB ON PUMP DRIVE GEAR, TORQUE WRENCH CLICKS BEFORE DRIVE GEAR TURNS, GOOD SIGN, REINSTALLED FUEL PUMP, ATTACHED ALTERNATE FUEL LINE DIRECTLY TO GEAR PUMP, RESULTS THE SAME, REMOVE FULE LINE FROM HAND PUMP TO ECM COOLING PLATE CHECKED FOR BLOCKED SHIPPING VALVE, NOT THE PROBLEM. REMOVED FUEL TEMP SENSOR AND INSTALLED FUEL GUAGE, RAN ENGINE AT IDLE AND AT RATED SPEED. FUEL PRESSURE NOT STEADY.



SERVICE ORDER: R103005122

ESTIMATE: E103001694

**Sold Operations (Cont.)**

2023-10-13 16:03:19

3301- CONNECTED ALTERNATE FUEL SUPPLY LINE DIRECTLY TO GEAR PUMP INLET RAN ENGINE FUEL PRESSURE AND ENGINE BOTH THE SAME, REMOVED UNIT PUMPS AND INSPECTED

\*\*\*\* NO CHARGE LABOUR \*\*\*\*

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
7.90	LABOR co	SERVICE CALL OUT TO C SPRING COLONY FOR ROUGH		

**JOB #5 141 DRIVELINE REPAIRS**

COMPLAINT REMOVE DRIVELINE & SEND OUT FOR REPAIR  
 CAUSE DRIVELINE WELD BROKE.  
 CORRECTION

2023-10-18 14:30:48

3301- WHILE DRIVING UNIT INTO SHOP DRIVELINE BETWEEN TRANSMISSION AND DROP BOX. REMOVED DAMAGED DRIVELINE AND SENT OUT FOR REPAIR.

2023-10-19 08:06:08

3301- INSTALLED REPAIRED DRIVELINE. GREASED U-JOINTS.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
1.80	LABOR 141	REMOVE DRIVELINE & SEND OUT FOR REPAIR		268.20
1.00	3-1051	[REPAIR DRIVE SHAFT]	403.08	403.08
1.00	103D/TDA KT17SB	STRAP & BOLT KIT for Easy S *D	43.36	43.36
1.00	103D/SP 6.5 70 18X	STRAP BOLT KIT *D	19.53	19.53

Prepay: \$0.00 Parts: \$62.89 Labor: \$268.20 Misc: \$0.00 Sublet: \$403.08 \$734.17

**JOB #6 1-0 ENGINE**

COMPLAINT DIAGNOSE UNIT RUNNING ROUGH  
 CAUSE PFP# DDE A4600100351  
 CORRECTION WARRANTY INJECTOR REPLACEMENT

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
2.00	103D/DDE RA4600100351	INJ MBE4000 EPA07		
2.00	103D/DDE RA4600100351-CORE	INJ MBE4000 EPA07		
2.00	103D/DDE A9060170524	Fuel Line Nozzle Adapter		
2.00	103D/DDE A4600700033	HP FUEL PIPE		
3.30	LABOR 1-0	DIAGNOSE UNIT RUNNING ROUGH		
-2.00	103D/DDE RA4600100351-CORE	INJ MBE4000 EPA07		
3.60	LABOR 623	DIAGNOSE UNIT RUNNING ROUGH		
25.00	103D/GRO 85 6021	STANDARD TIE WRAP, 11 3/4In *D		

**JOB #7 623 INJECTORS REPAIR OR REPLACE**

COMPLAINT REPLACE #6 INJECTOR - DO NOT DELETE LINE FOR WARRANTY AUDIT PURPOSES  
 CAUSE PFP# DDE RA4600100351  
 CORRECTION WARRANTY INJECTOR REPAIR

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE

**Sold Operations Totals** Prepay: \$0.00 Parts: \$8,579.05 Labor: \$5,781.20 Misc: \$107.25 Sublet: \$403.08 \$14,870.58





**Lethbridge**  
 1001 41 ST. NORTH  
 LETHBRIDGE, AB T1H 6J3  
 P: (403) 327-7611

**BODYSHOP**  
 5783 80TH AVE SE  
 CALGARY, AB T2C4S6  
 P: (825) 257-5782

**SERVICE ORDER: R103004660**

**Tag Number:**  
**License Plate Number:**

**BILL TO**  
 CSPRING FARMING CO. LTD. - 10046  
 BOX 519  
 MAGRATH AB T0K 1J0  
 P: (403) 758-6701

**DELIVER TO**  
 CSPRING FARMING CO. LTD. - 10046  
 BOX 519  
 MAGRATH AB T0K 1J0  
 P: (403) 758-6701

DATE INVOICE	SALES TYPE	ADVISOR	TERMS	PO #				
	SRET	3307	NET30					
YEAR	MAKE	MODEL	VIN	CUSTOMER UNIT #	ENGINE HOURS	IN SERVICE	Component Serial #	ODOMETER
2011	FREIGHTLINER	M2	IFVHC5CV4BHAV9403		14,397	5/24/2010		53111

**Sold Operations**

**JOB #1 MILEAGE PLEASE OBTAIN CURRENT MILEAGE & ENGINE HOURS FOR UNIT**

**COMPLAINT** PLEASE OBTAIN CURRENT MILEAGE & ENGINE HOURS FOR UNIT  
**CAUSE**  
**CORRECTION**

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE

Prepay: Parts: Labor: Misc: Sublet:

**JOB #2 EA EXPRESS ASSESSMENT (COMPLIMENTARY EA TRUCK INSPECTION)**

**COMPLAINT** EXPRESS ASSESSMENT  
**CAUSE**  
**CORRECTION**

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE

Prepay: Parts: Labor: Misc: Sublet:

*Inframe*



Sold Operations (Cont.)

**JOB #3 15-0 \*ALTERNATOR & STARTER\***

COMPLAINT EA ~ DIAGNOSE UNIT NO START  
 CAUSE LOST COMPRESSION  
 CORRECTION

3322 - ENGINE CRANKS BUT WILL NOT START. PULL UNIT INTO SHOP. CHECK FOR CODES IN MCM, ENGINE HAS BEEN DPF AND EGR DELETED SO THERE ARE SOME RELATED CODES NO CODES FOR NO START SITUATION. REMOVED CAC PIPE AT THROTTLE VALVE REMOVED, CAC PIPE AT TURBO REMOVED AIR CLEANER ASSEMBLY. PUT FUEL PRIMER ON FUEL FILTER AT ENGINE INLET. CRANK ENGINE OVER WITH ELECTRIC FUEL PRIMER STILL NO START. CHECK CAM AND CRANK POSITION SENSOR FOR BACKING OUT, BOTH SENSORS DID NOT BACK OUT. REMOVED FUEL FILTER AT ENGINE CRANK ENGINE OVER DOES LOOK LIKE A LOT OF FUEL VOLUME IS COMING TO FILTER HOUSING FROM PUMP, BUT THERE IS FROM HAND PRIMER. REINSTALL FILTER PUT A PSI GAUGE IN INLET TO FILTER HOUSING CRANK ENGINE NO FUEL PSI WHILE CRANKING. NEED FURTHER DIAGNOSES.

3301- REMOVED SECONDARY FUEL FILTER, WITH FUEL FILTER REMOVED USED HAND PRIMER, HAND PRIMER WORKS, INSTALLED NEW FILTER, PRIMED FUEL SYSTEM UNIT STILL NOT STARTING. BYPASSED PRIMARY FUEL FILTER UNIT NOT STARTING, WITH FUEL GAUGE CONNECTED AND HAND PRIMER USED FUEL PRESSURE WILL REACH 20 PSI BUT WILL NOT HOLD, CRANKED ENGINE WHILE PRIMING HAND PRIMER FUEL PRESSURE WILL REACH 50 PSI BUT UNIT WILL NOT START AND WILL NOT HOLD FUEL PRESSURE. CONNECTED WITH DDDL MONITORED KWNW VALIDITY SIGNAL, SIGNAL GOES TO TRUE WHEN ENGINE CRANKED, MONITORED ENGINE SPEED, ENGINE SPEED AT 136 RPM. IN TROUBLE SHOOTING MANUAL FOUND FUEL PRESSURE AFTER CRANKING SHOULD NOT DROP IMMEDIATELY AND IT DOES. LOCATED FUEL PUMP RELIEF VALVE IN BOTTOM OF FUEL FILTER ASSEMBLY, REMOVED VALVE, INSPECTED, REINSTALLED VALVE, PRIMED FUEL SYSTEM FOUND FUEL PRESSURE TO HOLD, AFTER PRIMING, AND FOUND ENGINE TO START. CONNECTED AIR TO AIR INLET PIPING, UNCAGED PARKING BRAKES, INSTALLED AIR INLET FILTER ASSEMBLY. PERFORMED RELATIVE COMPRESSION TESTS FOUND CYLINDER #4 AT LESS THAN 65%. REMOVED VALVE COVERS, LOOSENED SERVAL TRANS COOLER LINE BRACKETS TO SHIFT LINES TO INSTALL ENGINE TURN TOOL. REMOVED VALVE COVERS, TURNED ENGINE TO TDC #1, ADJUSTED VALVES FOR ENGINE POSITION TDC #1, ROTATED ENGINE TO TDC #6, ADJUSTED VALVES FOR THIS POSITION. INSTALLED VALVE COVERS AND REMOVED ENGINE ROTATING TOOL. PERFORMED ANOTHER RELATIVE COMPRESSION TEST RESULTS THE SAME CYLINDER #4 AT 64% INSTALLED NEW FUEL PUMP PRESSURE RELIEF VALVE PRIMMED FUEL SYSTEM, AND MONITORED FUEL PRESSURE TO SEE IF LOW PRESSURE SIDE LEAKS. NO FURTHER LOW SIDE LEAKS

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
4.50	LABOR 15-0	EA ~ DIAGNOSE UNIT NO START		670.50
4.50	LABOR 15-0	EA ~ DIAGNOSE UNIT NO START		670.50
1.00	103D/DDE A5410900151	FUEL FILTER	31.61	31.61
1.00	8P	GOVERNMENT EHC CHARGE 8P	1.00	1.00
1.00	103D/DDE A9060910224	CHECK VALVE	36.91	36.91
1.00	103D/DDE N000000001070	SEALING RING, M16	1.06	1.06
1.00	FRT	FREIGHT	50.00	50.00
0.00	LABOR 1-0	ENGINE - INSPECT TURBO FOR CONDITION AND OPER		0.00
1.00	103D/DDE A9060170860	INJ. SEAL	27.80	27.80
1.00	103D/DDE A5419970545	SEAL RING	8.24	8.24
1.00	103D/DDE A9060170524	Fuel Line Nozzle Adapter	54.56	54.56
1.00	103D/DDE A4600700033	HP FUEL PIPE	65.25	65.25

Prepay: \$0.00    Parts: \$225.43    Labor: \$1,341.00    Misc: \$51.00    Sublet: \$0.00    **\$1,617.43**



**Sold Operations (Cont.)**

**JOB #4 1-1 ADJUST VALVES & INJECTORS**

COMPLAINT ADJUST VALVES & INJECTORS  
 CAUSE POSSIBLY RELATED TO ENGINE ROUGH RUNNING  
 CORRECTION 3301- REMOVED INSPECTION COVER FROM FLYWHEEL, LOOSENED TRANS COOLER LINES BRACKETS AS THEY ARE ROUTED OVER INSPECTION COVER., INSTALLED TURN TOOL. ROTATED ENGINE TO TDC #1 REMOVED VALVE COVERS AND INJECTOR HARNESS ADAPTER FRAME. ADJUSTED INTAKE AND EXHAUST VALVES OR ENGINE POSITION #1 TDC. ROTATED ENGINE TO TDC #6 ADJUSTED VALVES AND INJECTORS FOR POSITION TDC #6. VACUUMED MANURE AND COW HAIR FROM TOP OF ENGINE, CLEANED INJECTOR FRAME ADAPTER AND VALVE COVERS AND REINSTALLED. PERFORMED A SECOND ROUND OF RELATIVE COMPRESSION TESTS, RESULTS THE SAME, CYLINDER #4 AT 65%.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
4.60	LABOR 1-1	ADJUST VALVES & INJECTORS		685.40
Prepay: \$0.00 Parts: \$0.00 Labor: \$685.40 Misc: \$0.00 Sublet: \$0.00				\$685.40

**JOB #5 1-0 ENGINE**

COMPLAINT CHECK CONDITION/OPERATION OF FAN HUB  
 CAUSE TEST FAN HUB  
 CORRECTION 3301- CONNECTED WITH DDDL ATTEMPTED TO ACTUATE FAN STAT WITH IN AND OUT CONTROL, FAN STAT NOT ACTUATING, DISCONNECTED AIR LINE TO ENGINE FAN HUB PLACED REGULATED AIR TO FAN HUB FAN HUB APPLIES WITHOUT AIR AND RELEASES WITH AIR. FAN HUB WORKS AS IT SHOULD THE PROBLEM IS WIRING TO THE FAN STAT.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
0.50	LABOR 1-0	CHECK CONDITION/OPERATION OF FAN HUB		74.50
Prepay: \$0.00 Parts: \$0.00 Labor: \$74.50 Misc: \$0.00 Sublet: \$0.00				\$74.50

**JOB #6 190-0000T AIR CLEANER REPAIR OR REPLACE**

COMPLAINT AIR CLEANER REPAIR OR REPLACE  
 CAUSE AIR FILTER DIRTY  
 CORRECTION 3301- FOUND AIR FILTER DIRTY. REMOVED AND REPLACED AIR FILTER

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
0.30	LABOR 190-0000T	AIR CLEANER REPAIR OR REPLACE		44.70
1.00	103D/DN P607965	ELEMENT, FILTER, ENGINE AIR *D	174.77	174.77
Prepay: \$0.00 Parts: \$174.77 Labor: \$44.70 Misc: \$0.00 Sublet: \$0.00				\$219.47



Sold Operations (Cont.)

**JOB #7 1-0 ENGINE**

COMPLAINT VERIFY OPERATION OF FAN SOLENOID  
 CAUSE FAN OVERIRDE SWITCH FAULTY  
 CORRECTION 3301 - FOUND ENGINE FAN ON CONSTANTLY. CONNECTED WITH DDDL UNDER IN AND OUT CONTROL TAB ACTUATED OUTPUTS, MANUALLY TRIED TO ACTUATE FAN, UNABLE TO CHANGE FAN STATE. AT FAN STAT CONNECTOR CHECKED FOR POWER AND GROUND, FOUND GROUND BUT NOT POWER, WITH TEST LIGHT CONNECTED TO ALTERNATE POWER SOURCE AND USING GROUND AT FAN STAT CONNECTOR WITH DDDL ACTUATED FAN FOUND FAN CONTROLLED BY GROUND AND GROUND CIRCUIT COMPLETING AND OPENING AS COMMANDED BY DDDL. REFERENCED WIRING SCHEMATIC G06-60586. FOUND POWER SOURCE FOR FAN STAT TO COME FROM PIN 91, CROSSOVER TO OEM HARNESS AND OEM CONNECTOR PIN 22 THAN TO PIN A AT FAN STAT CONNECTOR. DISCONNECTED ECM 120 PIN CONNECTOR, CHECKED FOR CONTINUITY FROM PIN 91 AT 120 PIN TO PIN A AT FAN STAT, FOUND CIRCUIT OPEN, DISCONNECTED OEM HARNESS FROM DETROIT HARNESS FOUND CONTINUITY FROM PIN 91 TO PIN 22 AT ENGINE SENSOR HARNESS. AT OEM HARNESS CHECKED FOR CONTINUITY FROM PIN 22 TO PIN A AT FAN STAT FOUND HARNESS OPEN. AT FIREWALL FOUND OEM HARNESS SPLICED INTO, FOUND A ON OFF SWITCH INSTALLED ON THE POWER SIDE OF THE CIRCUIT, TESTED SWITCH FOUND SWITCH WHEN CLOSED RESISTANCE TO VARY BETWEEN 1 OHM AND 50, 000 OHMS. REPLACED SWITCH WITH NEW, WITH NEW SWITCH CLOSED FOUND 12 V AT PIN A OF FAN STAT. RECONNECTED ENGINE SENSOR HARNESS AND OEM HARNESS, ACTUATED FAN STAT WITH IN AND OUT CONTROL, FAN STAT RESPONDING CORRECTLY. FAN STAT ALSO RESPONDING CORRECTLY WITH FAN OVERRIDE SWITCH.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
3.50	LABOR 1-0	VERIFY OPERATION OF FAN SOLENOID		521.50
1.00	103X/POC 1855BP	16-14 FEMALE	4.88	4.88
1.00	103D/CTH 8956K897	SWITCH-TOGGLE	15.71	15.71

Prepay: \$0.00 Parts: \$20.59 Labor: \$521.50 Misc: \$0.00 Sublet: \$0.00 \$542.09

**JOB #8 126 TRANSMISSION & PTO REPAIRS**

COMPLAINT CHECK FOR TRANSMISSION CODES/OPERATION  
 CAUSE REQUESTED INSPECTION  
 CORRECTION 3301 - CONNECTED WITH ALLISON DOC, THERE ARE NO CODES, TOPPED UP TRANS FLUID AS SOME WAS LOST WHEN REMOVING AND ATTACHING TRANS COOLER LINES.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
1.00	LABOR 126	CHECK FOR TRANSMISSION CODES/OPERATION		149.00

Prepay: \$0.00 Parts: \$0.00 Labor: \$149.00 Misc: \$0.00 Sublet: \$0.00 \$149.00

**JOB #9 580 REPLACE RADIATOR**

COMPLAINT REPLACE RADIATOR - CUSTOMER SUPPLIED RAD  
 CAUSE LEAKING RAD  
 CORRECTION 3319 - REMOVED ALL HARDWARE, MOUNTING BRACKETS, FAN SHROUD AND FAN, AND REMOVED ALL COOLING HOSES NEEDED ALONG WITH RESERVOIR. ONCE ALL OUT RADIATOR WAS REMOVED, SIDE SKIRTS REMOVED AND READY FOR NEW RADIATOR TO COME NAD REASSEMBLE TO PUT BACK INTO TRUCK. CLEAN UP AREA AND PART, STORE NICELY AND PUT LOOSE BOLTS BACK WERE POSSIBLE.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
5.00	LABOR 580	REPLACE RADIATOR		745.00

Prepay: \$0.00 Parts: \$0.00 Labor: \$745.00 Misc: \$0.00 Sublet: \$0.00 \$745.00



Sold Operations (Cont.)

**JOB #11 1-0 ENGINE**

COMPLAINT COMPLETE IN-FRAME. NEW TURBO AND INJECTORS  
 CAUSE CUSTOMER APPROVED ESTIMATES \*\*1 YEAR WTY PARTS & LABOR\*\*  
 CORRECTION 3319 - REMOVED LINES AND ANY BRACKETS NEEDED IN ORDER TO REMOVE OIL PAN BOLTS. ONCE ALL BUT 4 IN THE CORNERS WERE LEFT IT WAS LEFT TO HANG WHILE REMOVING TRANS LINES DUE TO BEING IN THE WAY. UPON LOOKING AT TRANNY LINES NOTICED BOTH HAVE BEEN RUBBED TO THE CABLE AND NEED REPLACING ALSO. MARKED AND REMOVED TRANNY LINES IN ORDER TO REPLACE DOWNLINE ALONG WITH GETTING OIL PAN REMOVED FULLY FROM UNIT.  
 3301 - REMOVED BOTH FENDERS, ON BOTH SIDES REMOVED FRONT CAB MOUNTING BOLTS, RAISED CAB AND PLACED BLOCKS UNDER CAB SUPPORTS, TO GAIN ACCESS WHEN REBUILDING ENGINE. REMOVED: AIR FILTER ASSEMBLY, CAC PIPING, RADIATOR SUPPORT BRACKET, EGR MIXING CHAMBER, TURBO, COLD PIPE, EGR VALVE, EGR HOT PIPE, EXHAUST MANIFOLD, EGR COOLER, COOLER BRACKET, ENGINE COVERS, VALVE COVERS, INTAKE MANIFOLD, HIGH PRESSURE FUEL LINES, TRANSFER TUBES, INJECTORS, INJECTOR HARNESS FRAMES, CYLINDER HEADS, PISTON COOLERS, PISTONS, AND LINERS. CLEANED ENGINE BLOCK, CYLINDER HEAD BOLT BORES. PERFORMED BEARING ROLL. INSTALLED CYLINDER LINERS, ASSEMBLED PISTON CONNECTING ROD ASSEMBLIES AND INSTALLED, INSTALLED CARBON SCRAPER RING. INSTALLED: PISTON COOLERS, CYLINDER HEADS, INJECTOR, TRANSFER TUBES, HIGH PRESSURE FUEL LINES, AND INJECTOR HARNESS FRAMES. ADJUSTED VALVES, INSTALLED COOLANT FUEL AND OIL JUMPER LINES TO EACH CYLINDER, INSTALLED: VALVE COVERS, INTAKE MANIFOLD, EGR MOUNTING BRACKET, EXHAUST MANIFOLD, EXHAUST BRAKE, TURBO, EGR COOLER, MANIFOLD HEAT SHIELD, CAC PIPING, EGR HOT PIPE, EGR VALVE EGR COLD PIPE, EGR MIXING CHAMBER, AND L/S ENGINE COVERS. REMOVED AND REPLACED WATER PUMP AND THERMOSTATS, REMOVED AND REPLACED SECONDARY FUEL FILTER ASSEMBLY AS IT WAS PART OF KIT. INSTALLED FAN HUB FAN, RAD SUPPORTS, AND RADIATOR. INSTALLED CREATING ROOM BETWEEN SPRINGS AND FRAME. INSTALLED OIL PAN, SECURED TRANS COOLER LINES AND BATTERY CABLES. VACUUM FILLED COOLING SYSTEM, FILLED UNIT WITH OIL. PRIMED FUEL SYSTEM AND STARTED ENGINE. PLACED FRONT OF CAB BACK ON CAB RESTS, SECURED HOOD STRAPS AND SHOCKS. INSTALLED FENDERS. INSTALLED RACK BEHIND CAB.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
53.00	LABOR 1-0	ENGINE		7,897.00
6.00	103D/DDE RA4600101720	CYL HEAD MBE 4000 EPA07	1,153.01	6,918.06
6.00	103D/DDE RA4600101720-CORE	CYL HEAD MBE 4000 EPA07	421.88	2,531.28
1.00	103D/DDE RA4600103000	KIT-BASIC OVERHAUL MBE4000 EPA	12,620.72	12,620.72
1.00	103D/DDE RA4600103000-CORE	KIT-BASIC OVERHAUL MBE4000 EPA	568.75	568.75
2.00	103D/DDE A4602030015	PIPE EGR	40.30	80.60
2.00	103D/DDE A4601420580	SEAL	9.64	19.28
1.00	103D/DDE A4601420353	FITTING EGR	123.63	123.63
1.00	103D/DDE A4602030015	PIPE EGR	40.30	40.30
1.00	103D/DDE A4601420580	SEAL	9.64	9.64
1.00	103D/DDE A4601422580	SEAL RING	10.98	10.98
1.00	103D/DDE A4601400714	GASKET KIT	263.81	263.81
6.00	103D/DDE A5410501336	Rocker Arm Assembly	271.81	1,630.86
1.00	103D/DDE EA0090969799	TURBOCHARGER	3,228.78	3,228.78
1.00	103D/DDE EA0090969799-CORE	TURBOCHARGER	487.50	487.50
6.00	103D/DDE RA4600100351	INJ MBE4000 EPA07	1,541.16	9,246.96
6.00	103D/DDE RA4600100351-CORE	INJ MBE4000 EPA07	300.63	1,803.78
1.00	103D/DDE RA4602001301	WATER PUMP MB4000 EPA04	873.62	873.62
1.00	103D/DDE RA4602001301-CORE	WATER PUMP MB4000 EPA04	243.75	243.75
1.00	FRT	FREIGHT	300.00	300.00
1.00	103D/DDE A0001802909	OIL FILTER	36.05	36.05
1.00	8P	GOVERNMENT EHC CHARGE 8P	1.00	1.00
1.00	103D/DDE A5410900852	FILTER HEAD	170.92	170.92
20.00	103D/DDE N000000001068	SEALING RING - GENERAL PURPOSE	1.29	25.80



Sold Operations (Cont.)

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
20.00	103D/DDE N000000001069	SEALING RING, M14	0.91	18.20
1.00	103D/01-27716-000	GASKET-CHARGE AIR COOLR,MBE400	85.95	85.95
18.00	103D/DDE N007603008103	SEAL RING	0.56	10.08
12.00	103D/DDE A4579902001	SCREW	15.93	191.16
2.00	103D/DDE A4601422580	SEAL RING	10.98	21.96
2.00	103D/DDE A9062030480	SEAL	15.08	30.16
1.00	103D/DDE A4602030015	PIPE EGR	40.30	40.30
2.00	103D/DDE A4601420580	SEAL	9.64	19.28
2.00	103D/DDE A4602030015	PIPE EGR	40.30	80.60
1.00	103D/DDE A4601400714	GASKET KIT	263.81	263.81
40.00	OIL	GOVERNMENT FEE OIL		
1.00	103D/03-43845-001	FUEL FLTR ELEMENT W/SEP	0.05	2.00
1.00	8P	GOVERNMENT EHC CHARGE 8P	34.11	34.11
1.00	103D/DDE RA4571801601	OIL PUMP MBE 4000	1.00	1.00
1.00	103D/DDE RA4571801601-CORE	OIL PUMP MBE 4000	406.36	406.36
1.30	LABOR 1-0	ENGINE	121.88	121.88
0.70	LABOR 1-0	ENGINE		193.70
1.00	103D/DDE A4600702132	FUEL LINE		104.30
1.00	103D/DDE A4600100655	OIL/AIR LINE	116.17	116.17
4.00	103D/DDE A0019909514	SCREW	121.69	121.69
6.00	103D/DDE A0029900600	HEAD BOLT	10.55	42.20
4.00	103D/DDE N000000001070	SEALING RING, M16	9.41	56.46
2.00	103D/DDE A4600160121	HD COVER SEAL	1.06	4.24
4.00	103D/DDE A4600160021	GASKET	60.69	121.38
1.00	103D/DDE N000000001069	SEALING RING, M14	57.13	228.52
2.00	103D/DDE N000000001067	SEALING RING, M10	0.91	0.91
12.00	103D/DDE N000000001069	SEALING RING, M14	0.57	1.14
2.00	103D/BRZ 9206H	CLAMP-HOSE,7/16-25/32IN, 1/2 I	0.91	10.92
2.00	103D/FLF FLX5526 0005	3/8 ID HOSE 25FT RL	3.43	6.86
4.00	103D/DDE A0019904605	SCREW, EXHAUST FLANGED MANIFOL	9.55	19.10
4.00	103D/DDE A0009902852	NUT	4.36	17.44
1.00	103D/DDE A5411870080	GASKET TURBOCHARGER OIL RETURN	4.81	19.24
6.00	103D/DDE A0019904605	SCREW, EXHAUST FLANGED MANIFOL	12.80	12.80
4.00	103D/DDE A0019907314	SCREW	4.36	26.16
6.00	103D/DDE A0009903150	NUT, EXHAUST FLANGED MANIFOLD	27.02	108.08
1.00	103D/DDE A4602030015	PIPE EGR	4.00	24.00
2.00	103D/BRZ 3504 C	CLAMP-HOSE,7/32-5/8IN, 5/16 IN	40.30	40.30
2.00	103D/DDE A4721400648	COUPLING - WATER MANIFOLD	1.76	3.52
3.00	103D/DDE A4601420353	FITTING EGR	115.52	231.04
1.00	103D/DDE N917003036003	GASKET	123.63	370.89
2.00	103D/BRZ 62080H	STD CLAMP	6.15	6.15
1.00	103D/BRZ CT 350 L SS	CLAMP-CT,HOSE,2 3/4-3 5/8,5/8	3.23	6.46
1.00	103D/BRZ CT 300 L SS	CLAMP-CT,HOSE,2 1/4-3 1/8,5/8	11.62	11.62
1.00	103D/DDE N000000001070	SEALING RING, M16	11.50	11.50
25.00	103D/GRO 85 6021	STANDARD TIE WRAP, 11 3/4In *D	1.06	1.06
1.00	103D/BRZ 9206H	CLAMP-HOSE,7/16-25/32IN, 1/2 I	0.44	11.00
1.00	103D/23-11358-015	CLAMP-CUSHION DIA 3/4	3.43	3.43
40.00	103D/ESO 105816	OIL, M-DELVAC 1300S 15W40 BULK	4.60	4.60
40.00	OIL	GOVERNMENT FEE OIL	8.40	336.00
13.00	103D/OWI AMAC53	ALLIANCE OAT ELC 50/50	0.05	2.00
1.00	103D/ABP N54 CC 650 385 I	2 POS FEMALE CONN KIT FOR 14L	11.99	155.87
			32.46	32.46



**Sold Operations (Cont.)**

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
20.00	103D/DDE N00000000 070	SEALING RING, M16	1.06	21.20
1.00	103X/DG	DEGREASER	11.33	11.33
-6.00	103D/DDE RA4600101720-CORE	CYL HEAD MBE 4000 EPA07	421.88	-2,531.28
-1.00	103D/DDE RA4600103000-CORE	KIT-BASIC OVERHAUL MBE4000 EPA	568.75	-568.75
-1.00	103D/DDE EA0090969799-CORE	TURBOCHARGER	487.50	-487.50
-6.00	103D/DDE RA4600100351-CORE	INJ MBE4000 EPA07	300.63	-1,803.78
-1.00	103D/DDE RA4602001301-CORE	WATER PUMP MB4000 EPA04	243.75	-243.75
-1.00	103D/DDE RA4571801601-CORE	OIL PUMP MBE 4000	121.88	-121.88

Prepay: \$0.00 Parts: \$38,697.72 Labor: \$8,195.00 Misc: \$306.00 Sublet: \$0.00 **\$47,198.72**

**JOB #12 1-0**

**ENGINE**

COMPLAINT INSPECT/REPLACE PRIMARY FUEL FILTER HEAD  
 CAUSE PRIMARY FUEL FILTER HOUSING LEAKING AIR  
 CORRECTION 330I- FOUND UNIT NOT STARTING WITH PRIMARY FUEL FILTER INLINE. BYPASSED FUEL FILTER AND UNIT STARTS, VISUALLY INSPECTED FUEL FILTER ASSEMBLY, UNSURE WHERE AIR LEAK ORIGINATING, IT SHOULD START WITH PRIMARY FILTER INLINE BUT IT DOESN'T. ORDERED NEW FILTER ASSEMBLY.

330I- REMOVED ORIGINAL PRIMARY FUEL FILTER HEAD AND BOWL. INSTALLED NEW FILTER HEAD AND TRANSFERRED INLET AND OUTLET FITTINGS TO NEW FILTER HEAD. RAN NEW LINE FROM FILTER OUTLET TO SECONDARY FILTER INLET. INSTALLED NEW FILTER AND FUEL BOWL.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
1.90	LABOR I-0	INSPECT/REPLACE PRIMARY FUEL FILTER HEAD		283.10
1.00	103D/RAI RK50403	HEAD	141.26	141.26
1.00	103D/RAI RK21113 01	COLLECTION BOWL KIT	197.19	197.19
1.00	FRT	FREIGHT	25.00	25.00
3.00	103D/PH HTFL8BBRN500	HIGH TEMP. FUEL LINE *D	5.38	16.14
2.00	103D/PH 60NTA 10	FITTING *D	1.64	3.28

Prepay: \$0.00 Parts: \$357.87 Labor: \$283.10 Misc: \$25.00 Sublet: \$0.00 **\$665.97**

**Sold Operations Totals**

Prepay: \$0.00 Parts: \$39,476.38 Labor: \$12,039.20 Misc: \$382.00 Sublet: \$0.00 **\$51,897.58**

**Authorization of Repairs & Warranty**

I hereby authorize the repair work herein set forth to be done along with the necessary material and agree that you are not responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft or any other cause beyond your control or for any delays caused by unavailability of parts or delays in parts shipments by the supplier or transporter. I hereby grant you and/or your employees' permission to operate the vehicle herein described on streets, highways or elsewhere for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on above vehicle to secure the amount of repairs thereto. The dealership is not responsible for damages from freezing due to lack of antifreeze.

I agree that any warranty coverage noted on this statement of account is based solely on New West Truck Centres estimate of warranty coverage and that I remain responsible for any portion of the charges incurred which is shown as being covered by warranty if the warranty coverage is not accepted by the manufacturer and I agree that such rejected amount should be charged to my account and that I will promptly pay such amount.

PRINTED NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**Pre-Work Disclaimer**

I agree to receive New West Truck Centres newsletter containing news, updates and promotions regarding New West Truck Centres products. You can withdraw your consent at any time. Please refer to our Privacy Policy or contact us for more details.

X \_\_\_\_\_

**Emissions Disclaimer**

I agree this vehicle emissions system has not been defeated, modified or deleted. New West Truck Centres assumes no responsibility for damage to any aftermarket or modified component as a result of our diagnostics or repairs.

Do you authorize New West Truck Centres to undertake any no charge outstanding recalls, field service modifications or campaigns recommended by the manufacturer to the chassis or engine.

X \_\_\_\_\_

	ESTIMATED	BILLED
LABOR		\$12,039.20
PARTS		\$39,476.38
MISC		\$382.00
SUBLET		\$0.00
DEPOSIT		\$0.00
SUBTOTAL		\$51,897.58
SHOP SUPPLIES		\$500.00
MISC SUPPLIES		\$0.00
TAX		\$2,619.88
TOTAL		\$55,017.46

Please Remit Payment To:  
 New West Freightliner Inc.  
 5925 79 Ave SE  
 Calgary, AB T2C 5K3  
 GST#: 100731173