

**Service Department**

2072 FALCON RD
KAMLOOPS, BC V2C 4J3
(250) 374-1431

REPAIR ORDER

Terms: [REDACTED]

Bill To: [REDACTED]

Ordered By: [REDACTED]

Date: 2/23/2023

Open Date: 2/23/2023 10:41:59

R. O. #: [REDACTED]

P.O. #: [REDACTED]

Acct #: [REDACTED]

Page #: 1

Written By: Rod

Released By:

Dept:

Acct:

Acct Status: [REDACTED]

Year: 2011

Make: FREIGHTLINER

Serial #: 1FVPC7DV5CHBR3179

Mileage: 386935

Model: M2 112

Eng S #: 471913S0103205

Eng H:

Unit: 700057

DIS:

Plate NO:

Operation: 1

Repair Code: MISCLABOR

Complaint: CHECK FOR ENGINE ISSUE LOUD NOISE STOPPED TRUCK

Cause:

Correction: 1527 - HOOKED UP LAPTOP, CHECKED AND PRINTED CODES, EXPANDED TIMESTAMPS AND COUNTS AS NECESSARY. PREVIOUSLY ACTIVE COUNTS FOR LOW OIL PRESSURE SPN 100 FMI 1 - 4 MINS @ ~7 PSI. ALSO HAD COUNTS FOR EXCESSIVE ENGINE SPEED HIGH SPN 190 FMI 0. COOLANT LEVEL LOW SPN 111 FMI 19. COOLANT AT ADD MARK ON EXPANSION TANK, OIL DIPSTICK SLIGHTLY OVERFULL. NO EVIDENCE OF SIGNIFICANT CONTAMINATION OF ENGINE COOLANT WITH OIL. ATTACHED TROUBLESHOOTING OF OVERSPEED AND LOW OIL PRESSURE CODES TO RO.

1507 REMOVED ENGINE OIL FILTER, INSPECT FOUND METAL DEBRIS, CUT FILTER OPEN FOUND MORE METAL SHOWED FOREMAN. TAGGED OLD FILTER. ENG SEIZED.

1508- LOOKED UNIT OVER TO FIND A SPOT TO GET AIR IN THE SYSTEM. MADE UP BRASS FITTINGS TO GET AIR INTO THE SYSTEM. HOOKED UP TO FORKLIFT AND BRING INTO SHOP. NOTE: EXTRA TIME REQUIRED AS UNIT IS VERY HEAVY AND NO STEERING ASSIST. TOWED UNIT INTO BAY 3. DL8 TIME STAMPS SHOW ENGINE SPEED HIGH FAULT CODE SET AT 9:28PM ON FEBRUARY 11 (RPM REACHED 2527.5), ENGINE OIL PRESSURE LOW SET AT 9:44PM FEBRUARY 11. PRINTED DDEC REPORT, ATTACHED TO RO. DDEC REPORT SHOWS PEAK RPM OF 2986RPM FEBRUARY 12 00:29EST. DRAINED OIL PAN, REMOVED OIL PAN AND OIL PUMP. METAL SHAVINGS FOUND IN THE PAN.

PULLED ALL MAIN BEARINGS, PULLED 1,6, 2,5 CON ROD CAPS. PHYSICAL DAMAGE TO THE CRANK AND BLOCK, UNIT NEEDS A REPLACEMENT ENGINE. ESTIMATE SENT IN AND APPROVED. PREPPED UNIT AND PULL OUTSIDE AS ENGINE WILL NOT BE HERE FOR A FEW MONTHS.

1525 - REPLACEMENT ENGINE HERE- REMOVE HOOD DRAIN COOLANT REMOVE BUMPER REMOVE INTAKE RECOVER AC REFRIDGERANT AND REMOVE LINES AND CAP OFF.

1531- TECH REMOVE CONNECTION ON ENGINE TO CHASSIS. COOLANT LINES, ELECTRICAL CONNECTIONS, ECT. UNBOLTED CLUTCH AND FOUND THAT CLUTCH INERTIA BRAKE BROKEN AND INSIDE BELL HOUSING.WAS UNABLE TO FIND A SAFE WAY TO STRAP TRANSMISSION IN CHASSIS SO ASKED OTHER TECHS AND SHOP

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Mileage: 386935

Model: M2 112

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Unit: 700057

DIS:

Plate NO:

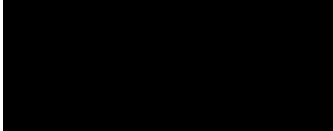
MANGER HOW TO SAFELY SECURE TRANS IN TRUCK. UNBOLTED ALL CONNECTIONS OF TRANS, REMOVED PTO, DRIVESHAFT, ELECTRICAL AND AIR CONNECTIONS ECT. REMOVED SHIFT TOWER AND FULLY REMOVED FROM VEHICLE TO ENSURE NO DAMAGE WOULD OCCUR TO IT. DOUBLE CHECKED THAT ALL CONNECTIONS FREE. WE TRIED TO REMOVE TRANS WITH ENGINE BUT WAS UNABLE TO DO SO. USED A TRANS JACK TO HOLD THE TRANS IN AIR AND BLOCKED WITH DUNAGE SO IT WOULD NOT BLEED DOWN. USED A STRAP TO CROSS MEMBER TO ENSURE TRANS SECURE AT THE REAR. DOUBLE CHECKED. REMOVED REAR ENGINE MOUNTS AND HELPED REMOVE ENGINE FROM TRUCK. SET ENGINE IN BAY 12. CLEANED PTO AND PARTS THAT ARE GOING TO BE REUSED. 1531-HELPED TECH SWAP PARTS ONTO NEW ENGINE. BUILT A PARTS LIST AND A LIST OF JOBS TO DO. GOT APPROVAL FOR SHOP MANAGER. REMOVED AND INSTALLED NEW CLUTCH FORK. INSTALLED NEW CLUTCH BRAKE. REMOVED AND INSTALLED NEW CLUTCH. SWAPPED GREASE WHIP TO NEW CLUTCH. CLEANED PARTS AND PREPPED CHASSIS FOR NEW ENGINE. INSTALLED NEW ENGINE MOUNTS. LIFTED AND HELPED INSTALL NEW ENGINE INTO CHASSIS. GOT ALL MOTOR MOUNTS IN PLACE AND BOLTED UP. HELPED INSTALLED OIL PICK UP AND OIL PAN AS REQUIRED. INSTALLED TRANSMISSION TO ENGINE. DOUBLE CHECKED ALL CONNECTIONS ARE ON TRANS. MADE NEW TRANS COOLER LINES AND ROUTED. MADE SURE THAT TRANS COOLER LINES SECURE AND NOT GOING TO RUB ANYWHERE. REINSTALLED DRIVESHAFT. HELPED INSTALLED RAD. STARTED INSTALLING ALL CONNECTIONS ON RAD. WAITING ON NEW PTO STUDS TO MOUNT PTO. HELPED INSTALL AND ROUTE CONNECTION ON ENGINE. 1531-FINISHED ROUTING AND INSTALLING NEW TRANS COOLER LINES. HAD TO MAKE SEVERAL BRACKETS TO MAKE LINES SECURE. ENSURE LINES WOULD NOT RUB ANYWHERE. HELPED REINSTALLED HOOD 1519 - REINSTALLED BUMPER AND RECHARGED AC. COMPRESSOR TO CONDENSER LINE RUPTURED SOME TIME AFTER RECHARGING. ORDERED NEW LINE. SEE REPAIR LINE 15 1531-REPAIRED ALL WIRING ON HOOD. TESTED AND ALL LIGHT OPERATIONAL. DID CHECK OVER OF ENGINE AND ADDED ZIP TIES OR MADE REPAIRS WHERE NECESSARY. CLEANED AREA AND TOOK ALL PARTS TO CORE AREA. INSTALLED DRIVE SHAFT FROM TOW IN. 1512-REPLACED STUDS, GOT PTO WITH 2 SHIMS IN PLACE HAD TO USE JACK TO LIFT PTO UP

**Service Department**

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Remit To:

RJAMES MANAGEMENT GROUP LTD.
2072 Falcon Road
KAMLOOPS, BC V2C 4J3

REPAIR ORDER**Terms:****Bill To:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 3**Written By:** Rod**Released By:****Dept:****Acct:****Ordered By:****Acct Status:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:**

1512-GOT PTO BOLTED AND SHIMED AT .010 THO, HAD TO REPLACE
PTO SENSOR NONE AVAILBLE PUT OLD ONE BACK IN FILLED WITH
OIL, HELPED JUILEN RUN TRUCK AND CHECK OVER.

1519 - GOT UNIT RUNNING. UNIT HAS ACTIVE EGR CODE FOR FAIL
SAFE MODE. WILL HAVE TO TROUBLESHOOT SEE SEPERATE LINE.
NEW ENGINE S/N# U71913R1208027, MODEL# OU71913.

Part Number	Description	Qty	Price	Credit	Extension
DDE 23516100	GASKET	1	\$6.45	\$0.00	\$6.45
03-38136-000	ELBOW-AIR INTAKE,DUCT,90	1	\$42.67	\$0.00	\$42.67
DDE A0259974348	SEAL RING	1	\$21.79	\$0.00	\$21.79
BRZ B9224	CLAMP-98IN LB-CT,4IN.	4	\$8.54	\$0.00	\$34.16
0411FRU	CONVOLUTE				
FLF FRE1020 0001	HOSE-SILICONE/NOMEX 4 x 6.5	2	\$43.40	\$0.00	\$86.80
01-32733-057	BELT-FAN DRIVE,10 RIB,205	1	\$69.70	\$0.00	\$69.70
DDE A4719935596	V-RIBBED BELT	1	\$54.60	\$0.00	\$54.60
SLL 500010048	SHELL T4 15W40 BULK	42	\$5.32	\$0.00	\$223.44
SLL-500010048-FEE	FEE	42	\$0.05	\$0.00	\$2.10
SP 309701 82	CLUTCH-ADVANTAGE SELFADJU	1	\$1,372.48	\$0.00	\$1,372.48
23-09438-250	SCREW-CAP,HEX,7/16-14 X 2	8	\$4.01	\$0.00	\$32.08
02-12176-000	BEARING-PILOT.72 X 30 X 19MM	1	\$55.44	\$0.00	\$55.44
01-35313-001	ISOLATOR-ASY,ENG,RR,854,INS	2	\$571.87	\$0.00	\$1,143.74
23-14068-080	BOLT-HEX,ZNAL,BK,M18X1.5X	4	\$13.55	\$0.00	\$54.20
01-33963-000	ISOLATOR-ASY,ENG,FRONT UP	1	\$56.41	\$0.00	\$56.41
01-33964-000	ISOLATOR-ASY,ENG,FRONT LO	1	\$45.09	\$0.00	\$45.09
DDE R23539456J	ENG DD13 10 ENGINE	1	\$72,407.42	\$0.00	\$72,407.42
DDE-R23539456J-CORE	DDE-R23539456J#	1	\$17,062.50 (\$17,062.50)		\$17,062.50
SHB-15531-1BX	1X12 RATCHET STRAP	1	\$8.27	\$0.00	\$8.27
CHL 35 P 15 1	GASKET-MOUNTING,PTO	1	\$1.99	\$0.00	\$1.99
CHL 35 P 15 2	PTO - GASKET	1	\$2.46	\$0.00	\$2.46
23-14392-000	CONN-STR,PTC,.12 MPT TO ,	1	\$2.52	\$0.00	\$2.52

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SP 127760	BRAKE-CLUTCH BRAKE DISC A	1	\$28.94	\$0.00	\$28.94
FUL A7786	ASSY-YOKE-CLUTCH RELEASE	1	\$324.38	\$0.00	\$324.38
DDE 23516100	GASKET	1	\$6.18	\$0.00	\$6.18
FUL 4305294	GASKET	1	\$13.52	\$0.00	\$13.52
TCX T130130349AB2	CLAMP,4 INCH SPHERICAL	1	\$28.14	\$0.00	\$28.14
PH 20620 6 6	FITTING	2	\$12.68	\$0.00	\$25.36
TCX AMS012	GASKET-4 INCH SPHERICAL W	1	\$17.51	\$0.00	\$17.51
5-8X4F8B	GR8 FINE BARE BOLT	8	\$2.77	\$0.00	\$22.16
HR5HT-8-REEL	100R5 HIGH TEMP H;1/2 NID	22	\$14.14	\$0.00	\$311.08
5-8FLAT	GR8 PLTD F436 WASHER	16	\$0.83	\$0.00	\$13.28
5-8FSL	FINE STOVER LOCKNUT	8	\$1.98	\$0.00	\$15.84
20MK8815	STUD KIT	1	\$68.89	\$0.00	\$68.89
FREIGHT	FREIGHT & HANDLING	1	\$50.00	\$0.00	\$50.00
553.3305	DUAL CABLE TIE 19" GRO 83 6041	20	\$1.92	\$0.00	\$38.40
23-13322-008	STRAP-TIE,DUAL,STAND OFF	6	\$7.70	\$0.00	\$46.20
3-8FNL	GR5 FINE NYLOCK	1	\$0.59	\$0.00	\$0.59
22-68425-000	O-RING,SEAL-SLIMLINE,AC,1	2	\$11.93	\$0.00	\$23.86
22-68427-000	O-RING,SEAL-SLIMLINE,AC,C	2	\$14.35	\$0.00	\$28.70
BRZ B9224 0411FRU	CLAMP-98IN LB-CT,4IN. CONVOLUTE	2	\$10.30	\$0.00	\$20.60
N210961 014001	SCREW CAP,HEX	1	\$5.29	\$0.00	\$5.29
23-12912-800	ELBOW-45,VITON O RING, 8	1	\$19.85	\$0.00	\$19.85
1485-4-REEL	BULK 1/4 AIRLINE	3	\$0.35	\$0.00	\$1.05
1460-4	AB COMP SLEEVE;1/4	1	\$0.26	\$0.00	\$0.26
SR539-88	100R5 RE 90ELB;1/2X1/2 FJIC SW	2	\$31.85	\$0.00	\$63.70
FLF FLX5526 0013	HOSE-5/8ID. 25FT ROLL.HEATER.SILICONE	1	\$5.47	\$0.00	\$5.47
BRZ 9210H	CLAMP-HOSE,9/16-1 1/16IN,	2	\$2.27	\$0.00	\$4.54



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Mileage: 386935 Model: M2 112 Eng S #: 471913S0103205
Eng H: Unit: 700057 DIS:
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DN P607965	ELEMENT, FILTER, ENGINE AIR PRIMARY	1	\$184.09	\$0.00	\$184.09
DN P616400	ELELMENT-AIR FILTER,SST S	1	\$40.81	\$0.00	\$40.81
TCX AMS014AM	CLAMP KIT-SLIP,4IN	1	\$36.85	\$0.00	\$36.85
TS16R-20	RUBBER CUSH T STRP;1 1/4 T OD	1	\$0.93	\$0.00	\$0.93
sII 550057739	COOLANT ROTELLA ELC NF 50/50 6 15 1GL	15	\$11.60	\$0.00	\$174.00
SLL 550057739-FEEFEE		15	\$1.14	\$0.00	\$17.10
BRZ 9212H	CLAMP-HOSE,11/16-1 1/4IN,	1	\$2.11	\$0.00	\$2.11
1-2FLAT	GR8 PLTD F436 WASHER	8	\$0.51	\$0.00	\$4.08
1-2LW8B	WASHER 1/2 LOCK	4	\$0.10	\$0.00	\$0.40
PLC 194NACP	MINIATURE BULB BOXED	3	\$1.39	\$0.00	\$4.17
23-13482-001	TIE STRAP-W FIR TREE MOUN	16	\$0.87	\$0.00	\$13.92
PLC-194CP-FEE	FEE	3	\$0.01	\$0.00	\$0.03
A06-40545-001	HARNESS-JUMPER.MAIN CHA	1	\$71.11	\$0.00	\$71.11
TDA M281X	U-JOINT, BEARING 5 281X	1	\$130.58	\$0.00	\$130.58
TDA 1250V1218	PLUG EXPANSION, SOCKET	1	\$9.16	\$0.00	\$9.16
MIN20	FUSE MINI 20 A	1	\$1.25	\$0.00	\$1.25

Parts Total: 77,598.19

Labor Total: 13,090.00

Warranty Total: 0.00

Operations Total: 90,688.19



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Serial #: 1FVPC7DV5CHBR3179

Mileage: 386935

Model: M2 112

Eng S #: 471913S0103205

Eng H:

Unit: 700057

DIS:

Plate NO:

Operation: 2 Repair Code: MISCLABOR

Complaint: INSTALL DRIVE LINE UNIT TOWED IN

Cause:

Correction: 1531-ORDERED PARTS FOR DRIVE SHAFT SLIP JOINT. INSTALLED NEW U JOINT.

1531-REMOVED OLD U JOINT WITH U JOINT PRESS. INSTALLED NEW U JOINT. ORDERED AND INSTALLED DIVE SHAFT SLIP YOKE END CAP. INSTALLED DUST SEAL. PRE GREASED SLIP JOINT AND INSTALLED DRIVE SHAFT. DOUBLE CHECKED THE ENDS IN PHASE WITH EACH OTHER. LIFTED AND INSTALLED U JOINT INTO YOKE. GREASED THE DRIVE SHAFT. COMPLETED

Part Number	Description	Qty	Price	Credit	Extension
05-25925-003	HOSE-COOLANT,LOWER,ELBOW,	1	\$49.01	\$0.00	\$49.01
FLF FRE5515 250C	SLEEVE HOSE SLV SDR BLU 2	1	\$34.44	\$0.00	\$34.44
TEMP					
BRZ CT 300 L SS	CLAMP-CT,HOSE,2 1/4-3 1/8,5/8	6	\$10.70	\$0.00	\$64.20
	BAND,SS				
05-23480-002	HOSE-ELBOW,ECR,2.5 DIA X	1	\$44.11	\$0.00	\$44.11
A04-32185-462	TUBE ASSY-COOLANT,SPLY,DD	1	\$163.56	\$0.00	\$163.56
A04-32186-461	TUBE ASSY-COOLANT,RTN,DD1	1	\$143.44	\$0.00	\$143.44
SUBLET(SERVICE)	DONS TOWING YARD MOVE	1	\$349.45	\$0.00	\$349.45
sll 550057739	COOLANT ROTELLA ELC NF 50/50 6 1		\$11.60	\$0.00	\$11.60
	1GL				
SLL 550057739-FEEFEE		1	\$1.14	\$0.00	\$1.14

Parts Total: 860.95

Labor Total: 160.00

Warranty Total: 0.00

Operations Total: 1,020.95

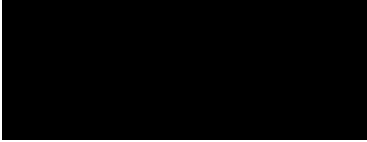


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Mileage: 386935

Model: M2 112

Eng S #: 471913S0103205

Eng H:

Unit: 700057

DIS:

Plate NO:

Operation: 3

Repair Code: QC

Complaint: QUALITY CHECK OVER

Cause:

Correction: TECH 1533 - ADJUSTED BRAKES, CONFIRMED THE AIR TANK IS NOT LEAKING AND AIRLINES ARE PLUMBED IN CORRECTLY.
TECH 1533 - TEST DROVE TRUCK CAME BACK TO SHOP AS TRUCK CODED OUT FMI 3361/SPN 7 AND FMI 4335/SPN14 PRINTED OFF TROUBLE SHOOTING
TECH 1533 - TEST DROVE TRUCK, NO FAULTS FOUND, STOPPED AT SHOP, TURNED ON PTO RAN PTO, PTO WAS LEAKING AT SHIFT ACTUATOR SEAL.SPOKE WITGH FOREMAN, INSTRUCTED TO REPAIR.

1539- GOT NEW ESN AND UPDATED ESN IN MODULES.

Part Number	Description	Qty	Price	Credit	Extension
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Parts Total: 0.00

Labor Total: 160.00

Warranty Total: 0.00

Operations Total: 160.00

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Model: M2 112

Eng S #: 471913S0103205

Eng H:

Unit: 700057

DIS:

Plate NO:

Operation: 5

Repair Code: MISCLABOR

Complaint: ADVISE ON MISSING AIR TANK - CUT LIGHTS - TOOL BOXES
DAMAGED

Cause:

Correction: 1531-INSPECTED AND ORDERED PARTS. ORDERED SECONDARY AIR
TANK.1519 - BYPASSED AIR LINES FOR MISSING TANK TO GET UNIT OUT OF
SHOP TO RUN UP TO TEMP.tech 1533 - ordered new purge valve as air is constantly leaking from valve,
installed new valve and desicant filters (took extra time as parts had troubles
finding parts as air drier is aftermarket), started truck and air is constantly
purging from purge valve. will talk to foreman about next stepsTECH1 533 - SPOKE WITH FOREMAN, SUGGESTED TO CHANGE OUT
AIR DRIER AS ITS CONSTANTLY PURGES, CHANGED OUT PURGE
VALVE DID NOT FIX ISSUE, BY PASSED THE AIR DRIER TO SEE IF
GOVERNOR WOULD KICK OUT COMPRESSOR FROM OVER CHARGING
SYSTEM WOULD STOP @ 135 PSI. PUT IN PARTS REQ WAITED TO
SEE IF PARTS WERE AVAILABLE NONE INSTOCK. RECIEVED NEW
DRIER AND REPLACED AS REQUIRED. TESTED ALL OK .
OPERATION COMPLETE.

Part Number	Description	Qty	Price	Credit	Extension
WAB 432 431 924 2	KIT-SILENCER-PURGE VALVE,	1	\$179.73	\$0.00	\$179.73
WAB 432 901 248 2	CARTRIDGE-AIR DRYER,COALE	1	\$77.16	\$0.00	\$77.16
CRC 1752253	BRAKLEEN / BRAKE CLEAN	2	\$3.75	\$0.00	\$7.50
CRC 1752253-FEE	CRC 1752253-FEE	2	\$0.10	\$0.00	\$0.20
121-A	PLUG HEX HEAD;1/8 MPT	1	\$0.39	\$0.00	\$0.39
WAB 432 433 037 0	AIR DRYER,TWIN, 36CFM,12V	1	\$2,180.30	\$0.00	\$2,180.30
FREIGHT	FREIGHT & HANDLING	1	\$200.00	\$0.00	\$200.00

Parts Total: 2,645.28

Labor Total: 928.00

Warranty Total: 0.00

Operations Total: 3,573.28



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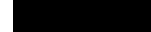
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Mileage: 386935

Model: M2 112

Eng S #: 471913S0103205

Eng H:

Unit: 700057

DIS:

Plate NO:

Operation: 6

Repair Code: MISCLABOR

Complaint: CHECK ENGINE LIGHT

Cause:

Correction: 1519

AFTER RUNNING ENGINE ON NEW ENGINE INSTALL FOUND CEL
PLUGGED IN LAPTOP FOUND CODE 2791 FMI 14 FOR EGR VALVE
ACTUATOR FAIL SAFE MODE ON, MOTOR ON
FOLLOWED TROUBLESHOOTING
MEASURED RESISTANCE
DRAINED COOLANT
REMOVED AND REPLACED EGR ACTUATOR AS PER FAULT CODE
TROUBLESHOOTING.
PUT COOLANT BACK INTO UNIT AND PLUGGED BACK IN.
STARTED UNIT.
AS SOON AS UNIT FLASHED UP CODE WENT INACTIVE.
OPERATION COMPLETED

Part Number	Description	Qty	Price	Credit	Extension
DDE EA4731500394	ACTUATOR KIT	1	\$0.00	\$0.00	\$0.00
DDE-EA4731500394	DDE-EA4731500394#	1	\$0.00	\$0.00	\$0.00
-CORE					

Parts Total: 0.00

Labor Total: 0.00

Warranty Total: 0.00

Operations Total: 0.00

**Service Department**

2072 FALCON RD
KAMLOOPS, BC V2C 4J3
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REPAIR ORDER

Terms: Net29th Prox

Bill To:**Ordered By:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 10**Written By:** Rod**Released By:****Dept:****Acct:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:****Operation:** 7**Repair Code:** MISCLABOR**Complaint:** REPLACE MISSING AIR TANK**Cause:****Correction:**

1549- CHECKED AIR TANK TO AIRLINES TO CHECK FOR ORIENTATION, BOLTED TANK UP, MEASURED ALL AIRLINES AND TANKS HOLE SIZES AND ORDERED FITTINGS, INSTALLED ALL FITTINGS AND AIRLINES INTO TANK. TANK FEED LINE HAD BEEN CHANGED TO -16 HYDRAULIC STYLE HOSE AT SOME POINT, HAD TO HAVE FITTINGS FROM NEW LINE BROUGHT DOWN TO CONVERT TO CORRECT PIPE THREAD. ONCE RUNNING THE TRUCK WAS ONLY BUILDING AIR ON THE PRIMARY SIDE HAD ANOTHER TECH CHECK OVER, AIR TANK WAS A 2 PIECE TANK THAT INCLUDED A INTERNAL BAFFLE, CHECKED WITH PARTS AS PRIMARY TANK DOES NOT HAVE ONE AND WE DO NOT HAVE THE ORIGINAL TANK TO COMPARE TO, PARTS/TRAVIS WAS FAIRLY SURE BUT NOT CERTAIN THAT IS IS NOT THE CORRECT AIR TANK. TRUCK IS NOW PARKED AT SIDE YARD SO CUSTOMER CAN BE CONTACTED TO GET PART NUMBER FROM ORIGINAL TANK, PROPER PARTS FIGURED OUT. ORDERED.

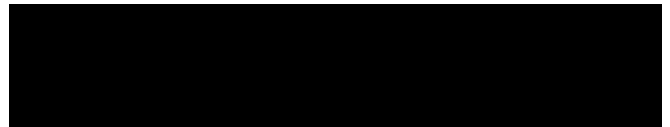
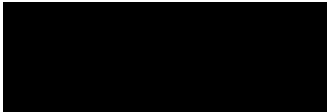
1533 - PUT IN PARTS REQ FOR 2 PRESSURE PROTECTION VALVES FOR THE AIR SUSPENSION (NONE INSTOCK - HAD TO MAKE A TEMP FIX WITH A 4 WAY AIR FITTING), REMOVED TANK, REMOVED FITTINGS AND SWAPPED FITTINGS READY FOR INSTALL AFTER BREAK. INSTALLED TANK, HAD TO REORIENTATE SOME FITTINGS AND SHORTEN SOME HOSE TO ELIMATE THE KINKS AND BENDS, ORDERED A WET TANK DRAIN VAVLE, INSTALLED THE PULL CORD TO EASILY ACCESSABLE AREA, AIRED UP TRUCK, CHECKED FOR LEAKS, CHECKED REBUILD TIMES - TRUCKS PRIMAIRY AND SECONDARY AIR WOULD BUILD TO 60 PSI IN 360 SECONDS. INFORMED FORMAN.

OPERATION COMPLETE

Part Number	Description	Qty	Price	Credit	Extension
12-18860-004	TANK-AIR,STL,SPLIT,3200	1	\$687.76	\$0.00	\$687.76
FREIGHT	FREIGHT & HANDLING	1	\$150.00	\$0.00	\$150.00
A 681 993 04 14	U BOLT-4.5" STR,4.5"R	2	\$13.54	\$0.00	\$27.08
3-8CSL	CRSE STOVER LOCK NUT	4	\$0.36	\$0.00	\$1.44
3-8FLAT	GR8 PLTD F436 WASHER	4	\$0.16	\$0.00	\$0.64

**Service Department**

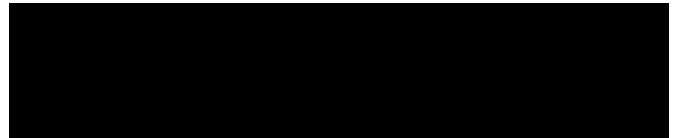
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**Bill To:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 11**Written By:** Rod**Released By:****Dept:****Acct:****Ordered By:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:**

PC1469-6D	90ELB DOT;3/8 TX1/2 MPT	4	\$6.44	\$0.00	\$25.76
PC1469-4C	90ELB DOT;1/4 TX3/8 MPT	1	\$5.42	\$0.00	\$5.42
PC1469-8D	FITTING	2	\$9.76	\$0.00	\$19.52
PC1469-10D	PUSH CONNECT	1	\$13.35	\$0.00	\$13.35
TDA R95512103	DRAIN VALVE	3	\$13.56	\$0.00	\$40.68
109-C	SQUARE HD PLUG;3/8 MPT	1	\$0.96	\$0.00	\$0.96
109-D	SQUARE HD PLUG;1/2 MPT	1	\$1.81	\$0.00	\$1.81
110-DC	BUSHING;1/2 MPTX3/8 FPT	1	\$1.30	\$0.00	\$1.30
110-CB	BUSHING;3/8 MPTX1/4 FPT	3	\$0.99	\$0.00	\$2.97
PC1469-6C	90ELB DOT;3/8 TX3/8 MPT	1	\$5.86	\$0.00	\$5.86
N2404-16-16	#16 MALE JIC X 1MALE NPT STR	1	\$4.50	\$0.00	\$4.50
GTD 223 465V	PRESSURE PROT VALVE	1	\$22.01	\$0.00	\$22.01
PH 2224P 8	TEE-PIPE,NON-SOLDERED JOINTS	1	\$10.84	\$0.00	\$10.84
FREIGHT	FREIGHT & HANDLING	1	\$65.00	\$0.00	\$65.00
121-D	PLUG HEX HEAD;1/2 MPT	3	\$1.51	\$0.00	\$4.53
121-C	PLUG HEX HEAD;3/8 MPT	1	\$0.80	\$0.00	\$0.80
GTD 223 465V	PRESSURE PROT VALVE	1	\$20.00	\$0.00	\$20.00
110-CB	BUSHING;3/8 MPTX1/4 FPT	1	\$0.99	\$0.00	\$0.99
TDA R95512103	DRAIN VALVE	1	\$13.56	\$0.00	\$13.56
X101-D	TEE;1/2 FPT;EXT	1	\$7.15	\$0.00	\$7.15
X115-D	90 ELB;1/2 FPTX1/2 MPT;EXT	1	\$5.31	\$0.00	\$5.31
X107-D	TEE;1/2 FPTX1/2 MPTX1/2 FPT	2	\$8.07	\$0.00	\$16.14
122-D	HEX NIPPLE;1/2 MPT	1	\$2.35	\$0.00	\$2.35
110-DC	BUSHING;1/2 MPTX3/8 FPT	1	\$1.30	\$0.00	\$1.30
121-D	PLUG HEX HEAD;1/2 MPT	2	\$1.51	\$0.00	\$3.02
PC1469-6C	90ELB DOT;3/8 TX3/8 MPT	2	\$5.86	\$0.00	\$11.72
PC1469-8C	90ELB DOT;1/2 TX3/8 MPT	2	\$7.21	\$0.00	\$14.42
1485-8-REEL	1/2 O.D X500FT BLACK TUBE	2	\$0.76	\$0.00	\$1.52

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**Bill To:****Ordered By:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 12**Written By:** Rod**Released By:****Dept:****Acct:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:**

PC1462-8	UNION COUP DOT;1/2 T	1	\$9.80	\$0.00	\$9.80
1469-12D	AB 90ELB;3/4 TX1/2 MPT	1	\$9.40	\$0.00	\$9.40
23-14396-002	ELBOW-90,PTC,.25 MPT TO .	1	\$3.13	\$0.00	\$3.13

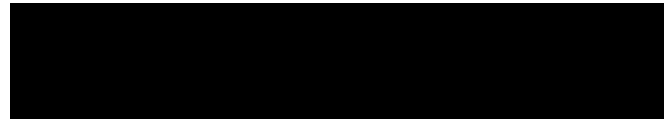
Parts Total: 1,212.04**Labor Total:** 1,088.00**Warranty Total:** 0.00**Operations Total:** 2,300.04**Operation:** 8**Repair Code:** CVI TRUCK**Complaint:** CVI TRUCK: LIST REPAIR**Cause:****Correction:** 1519 - PERFORMED CVI ON UNIT AND LISTED REPAIRS WITH RO.
1503 ISSUED DECAL FX75706 EXPIRY FEB 2024

Part Number	Description	Qty	Price	Credit	Extension
SUBLET(SERVICE) MVI DECAL# FX75706		1	\$20.00	\$0.00	\$20.00

Parts Total: 20.00**Labor Total:** 480.00**Warranty Total:** 0.00**Operations Total:** 500.00**Operation:** 9**Repair Code:** MISCLABOR**Complaint:** REPAIR FOR INSECURE LID ON THE FUSE PANEL AT REAR RIGHT AS PER MVI.**Cause:** BROKEN HINGE OFF LID**Correction:** 1507- INSPECTED REAR FUSE PANEL AND FOUND LID/COVER WAS MISSING CLIMBED UP AND FOUND LID LAYING INSIDE REAR DECK AREA, INSPECTED FUSE BOX AND FOUND 1 HINGE WAS BROKEN REMOVED OTHER HINGED CLEANED AND FOUND P/N, INSPECTED COVER AND FOUND MANUFACTURER, TALKED WITH FOREMAN AND DECIDED TO GO WITH AN ACORDIAN STYLE HINGE, HAD PARTS TRY TO SOURCE OUT A NEW HINGE, ENDED UP GETTING PO AND GETTING 1 AT PRINCESS AUTO, STARTED TO MOUNT HINGES ON LID 1507- AFTER INSTALLING HINGE ON LID FOUND COULD NOT MOUNT HINGE TO BOX AS UNIT HAD CYLINDERS AT BACK OF IT, ENDED UP MOVING HINGE TO THE D/S OF BOX, OPERATION COMPLETE

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Ordered By: [Redacted]



Year: 2011 Make: FREIGHTLINER Serial #: 1FVPC7DV5CHBR3179
Mileage: 386935 Model: M2 112 Eng S #: 471913S0103205
Eng H: Unit: 700057 DIS:
Plate NO:

Part Number	Description	Qty	Price	Credit	Extension
SUBLET(SERVICE) HINGE		1	\$10.37	\$0.00	\$10.37

Parts Total: 10.37

Labor Total: 400.00

Warranty Total: 0.00

Operations Total: 410.37

Operation: 10 Repair Code: MISCLABOR

Complaint: REPAIR FOR INSEQUIRE SWITCH PANEL ABOVE STEERING WHEEL

Cause: MISSING SCREW/SPEED CLIPS

Correction: 1507- FOUND OVER HEAD CONSOLE BEING HELD IN BY DUCT TAPE,
REMOVED AND INSPECTED FOUND CONSOLE WAS MISSING SPEED
CLIPS AND SCREWS TO HOLD IT IN PLACE, INSTALLED NEW SPEED
CLIPS AND NEW SCREWS CONSOLE IS NOW INPLACE PROPERLY,
OPERATION COMPLETE

Part Number	Description	Qty	Price	Credit	Extension
23-12981-707	SCREW-TORX,10-16 PHIT,ZN	2	\$0.61	\$0.00	\$1.22
23-09984-100	NUT-SPRING,U,10A	2	\$0.64	\$0.00	\$1.28

Parts Total: 2.50

Labor Total: 160.00

Warranty Total: 0.00

Operations Total: 162.50

Operation: 11 Repair Code: MISCLABOR

Complaint: REPAIR LOOSE D/S UPPER STEP

Cause: BENT BRACKET

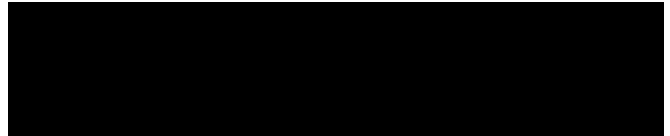
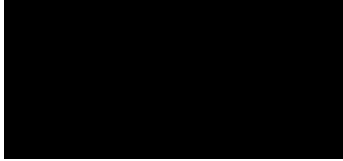
Correction: 1507- AFTER INSPECTING STEP FOUND HOLD DOWN BRACKET HAD
BEEN BENT, REMOVED AND RE SHAPED BRACKET REINSTALLED
AND ENSURED STEP WAS TIGHT,
OPERATION COMPLETE

Part Number	Description	Qty	Price	Credit	Extension
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Parts Total: 0.00

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**Bill To:****Ordered By:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 14**Written By:** Rod**Released By:****Dept:****Acct:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:****Labor Total:** 160.00**Warranty Total:** 0.00**Operations Total:** 160.00**Operation:** 12**Repair Code:** MISCLABOR**Complaint:** DIAG AND ADVISE FOR PTO OIL LEAK AT FRONT AND REAR AS PER MVI.**Cause:** PTO AIR CYLINDER GASKETS AND INDICATOR SWITCH LEAKING

Correction: 1507- INSPECTED PTO, FOUND OIL LEAKS AT FRONT AND REAR (AIR CYLINDERS) AND GASKETS, QUICKLY LOOKED UP 82 SERIES MANUAL CHECKING IF JUST GASKETS COULD BE REPLACED WITHOUT REBUILDING BOTH AIR CYLINDERS ALSO FOUND PTO INDICATOR SWITCH BROKEN AND LEAKING, PARTS LOOKING FOR GASKETS FROM REESE DRIVE PRODUCTS, REPLACED INDICATOR SWITCH, CHECKED FOR OIL IN AIR LINES TO SEE IF A CYLINDER NEEDS TO BE REBUILT NO OIL WAS FOUND.
TECH 1533 - CHANGED OUT PTO SHIFT ACTUATOR GASKET @ THE FRONT SECTION OF PTO. ACTUATED PTO AND INSPECTED SEAL NO LEAKS FOUND.

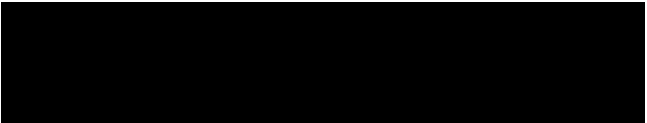
OPERATION COMPLETE

Part Number	Description	Qty	Price	Credit	Extension
MPM-13T35597	GASKET	2	\$5.74	\$0.00	\$11.48
MPM-30T38111	PTO SW, N/O WHT	1	\$57.69	\$0.00	\$57.69
FREIGHT	FREIGHT & HANDLING	1	\$50.00	\$0.00	\$50.00

Parts Total: 119.17**Labor Total:** 640.00**Warranty Total:** 0.00**Operations Total:** 759.17

**Service Department**

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**Bill To:****Ordered By:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 15**Written By:** Rod**Released By:****Dept:****Acct:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:****Operation:** 13**Repair Code:** MISCLABOR**Complaint:** DIAG AND ADVISE FOR TRANSMISSION OIL LEAK FROM SHIFT COVER GASKET**Cause:** SHIFT COVER GASKET CRACKED

Correction: 1507- REMOVED P/S CAB SKIRTING AND INSPECTED SHIFT COVER
FOUND GASKET TO BE CAUSE, ORDERED NEW GASKET
1507- DISCONNECT SHIFT TOWER MOVED OUT OF WAY AND FOUND
WAS SPLIT,
1507- CLEANED OFF SHIFT COVER GASKET FROM TRANS. AND
INSTALLED NEW, HAD ASSISTANCE GETTING SHIFT TOWER INTO
PLACE RE ASSEMBLED CAB SKIRTING AND STEP, OPERATION
COMPLETE.

Part Number	Description	Qty	Price	Credit	Extension
FUL 4305452	GASKET, HOUSING, SHIFT TO	1	\$14.75	\$0.00	\$14.75

Parts Total: 14.75**Labor Total:** 320.00**Warranty Total:** 0.00**Operations Total:** 334.75

**Service Department**

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TECH 1533 - PRINTED OFF CODES HAD TROUBLE WITH THE PRINTER CONNECTING TO LAPTOP, FOLLOWED T/S NO FAULTS FOUND. STEP 16 WAS Perform SCR air pressure test (60-second duration) to verify repair. Normal air pressure readings are between 124 to 200 kPa (18 to 29 psi) @ 100% PRESSURE LIMITING VALVE WAS READING 60 PSI WITH TRUCK AIR PRESSURE @ 150 PSI. - MENTIONED TO FOREMAN TRUCK TAKES 6 MIN TO GET TO 60 PSI.

TECH 1533 - FOLLOWED T/S 3361 FMI 7 GOT TO STEP 16 - METREING UNIT ALL CHECKED OUT, TECH HAD CHANGED OUT MCM ON UNIT- CODE HAD CLEARED, PUT TRUCK INTO REGEN TRUCK CODED OUT FOR 4335/14 - HIGH DEF PRESSURE, PUT AN EXTERNAL GAUGE IN TO BYPASS METERING UNIT TO SEE WHAT PSI WAS COMING INTO METERING UNIT - FOUND 90 PSI, PUT TRUCK INTO REGEN AND CODE STAYED ACTIVE, PUT PARTS REQ IN FOR NEW METREING UNIT, AS AIR PRESSURE WAS HIGH AND DEF PRESSURE WAS LOW.

TECH 1533 - FOLLOWED T/S 3361 FMI 7 GOT TO STEP 16 - METREING UNIT ALL CHECKED OUT, TECH HAD CHANGED OUT MCM ON UNIT- CODE HAD CLEARED, PUT TRUCK INTO REGEN TRUCK CODED OUT FOR 4335/14 - HIGH DEF PRESSURE, PUT AN EXTERNAL GAUGE IN TO BYPASS METERING UNIT TO SEE WHAT PSI WAS COMING INTO METERING UNIT - FOUND 90 PSI, PUT TRUCK INTO REGEN AND CODE STAYED ACTIVE, PUT PARTS REQ IN FOR NEW METREING UNIT, AS AIR PRESSURE WAS HIGH AND DEF PRESSURE WAS LOW.

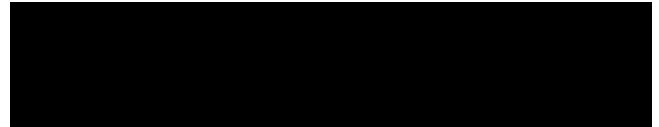
TECH 1533 - STOPPED WORK DUE TO FOREMAN AND HIGH TEMPS, INSTALLED NEW METERING UNIT, CLEARED OUT BRAIDED DISCHARGE HOSE, REISNTALLED, HOOKED UP CONNECTORS, WENT ON A DRIVING REGEN AND TRUCK CODED OUT FOR LOW DEF AIR PRESSURE 4334/7. BROUGH TRUCK BACK TO SHOP TO T/S

TECH 1533 - FOLLOWED T/S LED TO DEF PUMP MODULE, DRAINED COOLANT AND REMOVED/STARTED TO INSTALLED PUMP MODULE

TECH 1533 - FINISHED INSTALLING PUMP MODULE, FILLED COOLANT, FILLED BLADDER ON PUMP MODULE TO 55 PSI.

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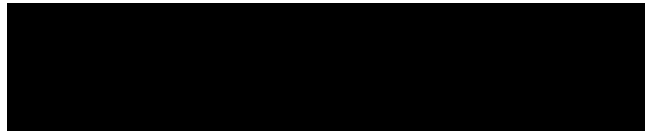
**Bill To:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 17**Written By:** Rod**Released By:****Dept:****Acct:****Ordered By:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:**

Part Number	Description	Qty	Price	Credit	Extension
DDE RA0024460135MCM2		1	\$2,137.12	\$0.00	\$2,137.12
DDE- RA0024460135- CORE	DDE-RA0024460135#	1	\$650.00	\$0.00	\$650.00
1485-4-REEL	BULK 1/4 AIRLINE	1	\$0.35	\$0.00	\$0.35
DDE RA0001404339METERING UNIT-DEF EPA10		1	\$728.02	\$0.00	\$728.02
DDE- RA0001404339- CORE	DDE-RA0001404339#	1	\$487.50	(\$487.50)	\$487.50
DDE RA0001404378DEF PUMP HDEP AIR ASSISTED 2010		1	\$751.51	\$0.00	\$751.51
DDE- RA0001404378- CORE	DDE-RA0001404378#	1	\$325.00	(\$325.00)	\$325.00
1460-4	AB COMP SLEEVE;1/4	1	\$0.26	\$0.00	\$0.26
sll 550057739	COOLANT ROTELLA ELC NF 50/50 62 1GL	2	\$11.60	\$0.00	\$23.20
SLL 550057739-FEEFEE		2	\$1.14	\$0.00	\$2.28

Parts Total: 4,292.74**Labor Total:** 1,600.00**Warranty Total:** 0.00**Operations Total:** 5,892.74

**Service Department**

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Dept:
Acct:

Year: 2011 **Make:** FREIGHTLINER **Serial #:** 1FVPC7DV5CHBR3179
Mileage: 386935 **Model:** M2 112 **Eng S #:** 471913S0103205
Eng H: **Unit:** 700057 **DIS:**
Plate NO:

Operation: 15 **Repair Code:** MISCLABOR

Complaint: REPAIR FOR A/C NOT WORKING

Cause:

Correction: TECH 1533 - HOOKED UP AC MACHINE CHECKED PRESSURES, NO VISIBLE PRESSURES ON THE GAUGE, RECOVERED REFRIDRERANT NONE WAS RECOVERED, PRESSURE TESTED LINE WITH NITROGEN @ 160PSI HOSE FROM CONDENSOR TO COMPRESSOR BLEW A HOLE, REMOVED HOSE TO MATCH, FOUND A MATCH, REPLACED HOSE, PRESSURE TESTED TO 200 PSI, SYSTEM WOULD NOT HOLD PRESSURE, LOOKING FOR LEAK WITH SOAPY WATER.
TECH 1533 - PUT ON N2 TO CHECK FOR LEAKS, PRESSURED UP TO 200 PSI LET STABILIZE OVER 5 MIN AND PUT PRESSURE TEST ON FOR 15MINUTES.
TECH 1533 - PRESSURE TEST HELD AT 200 PSI FOR 15 MINUTES, REMOVED PRESSURE TESTING GEAR, HOOKED UP AC MACHINE, PUT A VACCUME ON AND LEAK TEST - PASSED, ADDED REFRIGERANT/COMPRESSOR OIL, CHECKED GAUGE AND PRESSURES WERE NOT EQUAL ON LOW AND HIGH SIDE, STARTED TRUCK TO CHECK AC SYSTEM, SYSTEM WAS NOT BLOWING COLD, WATCHED TO SEE IF PRESSURES WOULD CYCLE ON HIGH AND LOW SIDE, PRESSURES STAYED @ 10 ON LOW AND 120 ON HIGH SIDE, PUT IN REQ FOR A EXPANSION VALVE, REMOVED AND REPLACED EXPANSION VALVE AS REQUIRED.
TECH 1533 - PUT A VACCUMN AND LEAK TEST ON SYSTEM AGAIN, SYSTEM PASSED, FILLED SYSTEM WITH 3.13LBS OF R134A, AND 2 OZ OF ND8 COMPRESSOR OIL, STARTED TRUCK AND WATCHED LOW SIDE PRESSURES CYCLE BETWEEN 20 - 45 LBS, AND CHECKED TEMP IN CAB - 40F. CLEANED UP TOOLING.

OPERATION COMPLETE

**Service Department**

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Bill To:**Ordered By:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 19**Written By:** Rod**Released By:****Dept:****Acct:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:**

Part Number	Description	Qty	Price	Credit	Extension
A22-66694-004	HOSE-AC,H02,24U,HDEP	1	\$332.13	\$0.00	\$332.13
A22-45194-001	SWITCH-MED PRESS,A/C,NORM	1	\$79.16	\$0.00	\$79.16
22-51296-000	SWITCH-PRESSURE,BINARY,A/	1	\$38.77	\$0.00	\$38.77
DII LA446963 0040	PAG OIL-ND8,8.5OZ,250cc	1	\$32.60	\$0.00	\$32.60
VCC T1001838L	TXV ASSY-SERVICE KIT	1	\$84.53	\$0.00	\$84.53
PH 736914	O-RING	1	\$3.05	\$0.00	\$3.05
PH 668189	O-RING	1	\$3.55	\$0.00	\$3.55
SUBLET(SERVICE)	FREON CHARGE	3	\$28.00	\$0.00	\$84.00

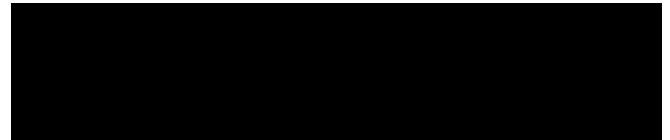
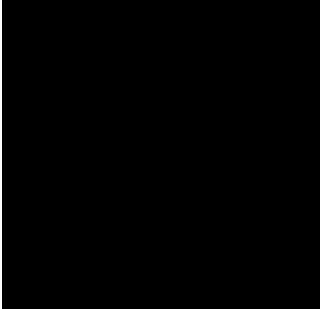
Parts Total: 657.79**Labor Total:** 960.00**Warranty Total:** 0.00**Operations Total:** 1,617.79**Operation:** 16**Repair Code:** MISCLABOR**Complaint:** REPAIR FOR COOLANT LEAKING ON TEST DRIVE AS REQUIRED**Cause:**

Correction: TECH 1533 - PUT IN PARTS REQ FOR NEW BANJO FITTING AND HOSE FROM SURGE TANK TO BANJO FITTING AS A LEAK/CRACK WAS FOUND IN OLD HOSE CAUSING COOLANT TO LEAK OUT.
TECH 1533 - REMOVED HEATER CORE LINE, ORINGS WERE CRACKED AND DRIED OUT, CLEANED UP MALE AND FEMALE CONNECTORS AND REINSTALLED NEW ORINGS AND LINES
TECH 1533 - FINISHED INSTALLING COOLANT LINES,INSTALLED NEW BANJO WASHERS/BOLT TORQUED TO 26FT/LBS, INSTALLED ALL NEW GEAR CLAMPS ON BANJO FITTING TO SURGE TANK, INSTALLED SURGE TANK PRESSURE TESTED SYSTEM TO 18 PSI FOR 15 MIN (NO LEAKS SOLID PRESSURE TEST). STARTED TRUCK CHECKED LEVELS TOPPED UP COOLANT.

OPERATION COMPLETE

**Service Department**

2072 FALCON RD
KAMLOOPS, BC V2C 4J3
(250) 374-1431

**Bill To:****Ordered By:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 20**Written By:** Rod**Released By:****Dept:****Acct:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:**

Part Number	Description	Qty	Price	Credit	Extension
DDE N000000004898	DDE-N000000004898	1	\$7.83	\$0.00	\$7.83
DDE N000000001069	SEAL RING (20mm O.D. x 14mm I.D.)	2	\$0.89	\$0.00	\$1.78
NL4875-025X50	1/4 SILICONE HOSE	3	\$3.63	\$0.00	\$10.89
TYC DCT110HIR	TIE STRAP	6	\$1.18	\$0.00	\$7.08

Parts Total: 27.58**Labor Total:** 368.00**Warranty Total:** 0.00**Operations Total:** 395.58**Operation:** 17**Repair Code:** MISCLABOR**Complaint:** DIAG AND ADVICE CEL AND CODE SPN 2791/4 AFTER TEST DRIVE AND REPAIR FOR CODE PREVIOUSLY**Cause:**

Correction: FOLLOWED TROUBLESHOOTING AGAIN AND ALL VOLTAGE AND RESISTANCE CHECKS CHECKED OUT. FOUND THAT THE MCM WAS NOT PROGRAMMED PROPERLY FOR THE UNIT. PROGRAMMED MCM AND UPDATED SOFTWARE. RAN REGEN TO SEE IF CODE WOULD COME ACTIVE AGAIN AND IT DID NOT DURING THE REGEN. ONCE UNIT CAN BE ROAD TESTED PROPERLY WE WILL BE ABLE TO SEE IF IT IS RESOLVED OR STILL A PROBLEM.

1519 - STARTED UNIT AND CEL CAME BACK FOR SAME EGR ACTUATOR FAILSAFE MODE OFF CODE. REMOVED OLD MCM FROM ORIGINAL MOTOR AND INSTALLED ON THE NEW MOTOR TO SEE IF IT WAS AN ISSUE WITH THE MCM. WITH NEW MCM CODE WENT INACTIVE IMMEDIATELY. RAN UNIT FOR 30MINS AND NO ISSUES WERE OBSERVED. ONCE AIR TANK IS REINSTALLED UNIT NEEDS TO GO ON A ROAD TEST TO VERIFY REPAIR.

1508- BENCH PROGRAMMED THE MCM. REPLACED THE MCM. CLEANED UP

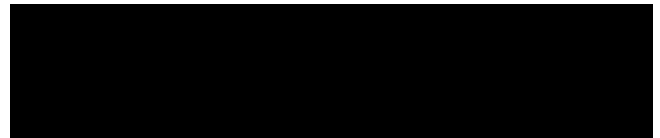
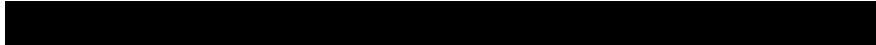
1508- CHECKED FOR CODES. NO ACTIVE CODES IN THE MCM. CLEARED CODES. OPERATION COMPLETE

Part Number	Description	Qty	Price	Credit	Extension
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Parts Total: 0.00

**Service Department**

2072 FALCON RD
KAMLOOPS, BC V2C 4J3
(250) 374-1431

**Bill To:****Ordered By:****Date:** 2/23/2023**Open Date:** 2/23/2023 10:41:59**R. O. #:****P.O. #:****Acct #:****Page #:** 21**Written By:** Rod**Released By:****Dept:****Acct:****Year:** 2011**Make:** FREIGHTLINER**Serial #:** 1FVPC7DV5CHBR3179**Mileage:** 386935**Model:** M2 112**Eng S #:** 471913S0103205**Eng H:****Unit:** 700057**DIS:****Plate NO:****Labor Total:** 0.00**Warranty Total:** 0.00**Operations Total:** 0.00**Parts:** \$104,357.54**Core CRD:** (\$17,875.00)**Freight:** \$515.00**Labor:** \$20,514.00**Sublet:** \$463.82**Towing:** \$0.00**Mileage:** 0.00**Shop Supp:** \$1,641.12**SubTotal:** \$109,616.48**PST:** \$7,673.15**GST #:** \$5,480.82**Env Fee:** \$0.00**No Charge:** (\$ 0.00)**Coupon CRD:** (\$ 0.00)**Return CRD:** (\$ 0.00)**Total:** \$122,770.45**WORK ORDER
Terms and Conditions**

I acknowledge as an owner or representative of the above company and/or individual, the indebtedness for any and all requested repairs, diagnostics, and declined warranty; and understand and grant that a Garage Keeper's Lien will be filed to secure the amount of these and all possible warranty repairs thereto by RJAMES MANAGEMENT GROUP LTD. I hereby acknowledge my indebtedness in the amount of the balance of this invoice either by purchase order, signature, email, and/or phone confirmation. I authorize RJAMES MANAGEMENT GROUP LTD. to collect, use and disclose the personal and business information I have provided for the purpose of providing goods and services as requested, to better understand needs and preferences, to establish and maintain responsible commercial relations, and to provide ongoing service(s). It is also understood that all warranty or policy claims are submitted on behalf of the customer pending vendor inspection and approval. It cannot be assumed that there is warranty, and responsibility for any and all debt of the repair(s) is assumed by the customer in full until approval is granted. RJAMES MANAGEMENT GROUP LTD. will issue a credit to you or your account for the amounts paid by the vendor when and if a warranty or policy claim is approved. Only repairs performed by RJAMES MANAGEMENT GROUP LTD. at an authorized facility of RJAMES MANAGEMENT GROUP LTD. will have a 90 day workmanship guarantee, and all claims made can only be honored at these facilities. If wheels are removed for any reason, it is the customer's responsibility to have them re-torqued after 100 kms. RJAMES MANAGEMENT GROUP LTD. will not be liable for loose wheels. TERMS: The full amount of this invoice is payable 30 days following purchases of products or services. SERVICE CHARGES: 2% per month or 24% per annum on overdue accounts. A \$50.00 service charge will apply to all NSF cheques.

**CUSTOMER
SIGNATURE**
