

Sales Invoice

Number: 4287
Issued: 06/21/2024
Due: 07/21/2024

Deliver To
Fort St John BC



Dimitri Motorhome
Fort St John BC

Ionson Mechanical Ltd.
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Canada
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GST/HST 859367294 RT 0001

Item	Qty/Hrs	Price/Rate	Sales Tax	Net
May/June 2024				
-remove oil pan from old engine				
-remove oil pan on new engine				
-clean and install oil pan				
-tig weld coolant piping				
-swap fitting on air compressor				
-take info off old engine				
-install harness				
-disassemble components				
-drain fluids				
-lay protective plastic on interior				
-remove piping and brackets				
-remove wiring				
-remove fuel lines				
-remove exhaust				
-weld supports in for rad and battery box				
-diagnose ac removal				
-disconnect components from engine for engine removal				
-load unit on trailer for engine removal				
-unbolt crossmembers				
-unbolt driveline				
-remove engine				
SHOP RATE. -remove transmission	80.00	150.00	GST 5.00%	12,000.00
-prep new engine				
-begin valve set				
-swap components				
-weld egr coolant pipe				
-bolt up transmission				
-swap fuel fittings				

Item

Qty/Hrs

Price/Rate

Sales Tax

Net

- swap crank pulleys
- rebearing pulleys/idlers/ tensioners
- install torque converter
- swap front engine mounts
- plan coolant lines/ac lines
- put engine on frame and bolt together
- diagnose wiring
- build/fab exhaust
- remove coolant filter in frame
- rebearing idler pulley
- install idler pulley and paint
- replace coolant hose
- clean and install rebuilt fan-drive line

- service drive box for fan
- rebuild driveline, clean
- install new engine
- route lines and wiring
- install rad
- install battery box/exhaust hanger
- clean and install starter
- run and install transmission harness
- install the trailer hitch-twisted
- hook up fuel lines
- block off airline for old vgt
- remove starter
- install solenoid
- install starter
- install alternator
- install ac compressor
- service transmission

SHOP RATE.

GST 5.00%

- install coolant lines
- modify bottom rad hose
- swap pulleys on alternator-seized
- route alternator cables
- rig unit to lower from trailer
- bring unit to ground
- replace cac boot/both sides cac and clamps
- install air piping
- install orings and install ac hoses
- install coolant tank
- run new coolant lines
- tie up wiring
- swap oil fill/dipstick tube
- fill oil
- clean and install driveline
- install ecm
- install exhaust
- modify exhaust bracket

- install transmission dipstick tube
- repair vent for infloor heating
- tie up coolant hoses

Item		Qty/Hrs	Price/Rate	Sales Tax	Net
	-finish exhaust -clean and rebearing power steering adapter -install power steering pump -install power steering hoses -repair and drill out hole on battery box -tie up wiring and coolant hoses -install power steering reservoir -fill transmission -replace main driveshaft ujoints and install shaft -pressure check coolant system -weld brackets back together -weld bumper supports -repair vent line for in floor heating -fabricate/weld bracket for transmission dipstick tube -fill coolant -charge ac -diagnose wiring -run unit -diagnose tps -diagnose throttle pedal -fabricate throttle pedal and install -finish wiring -replace batteries for engine - no good -top up fluids -examine cruise control functions -check air leaks -diagnose no turbo actuation -disassemble components to actuator -replace and calibrate actuator -reassemble components -road test unit -analyze engine - miss fire on cyl 6 -remove valve cover -check valve set and harness -remove #6 injector -re-install injector -road test good			GST 5.00%	
SHOP RATE.		13.50	150.00	GST 5.00%	2,025.00
4080700X	8pk 1780 poly v-belt	2.00	79.63	GST 5.00%	159.26
2/5VX750	goodyear industrial belt	1.00	288.98	GST 5.00%	288.98
f04-6006	90 degree rad hose elbow	1.00	122.09	GST 5.00%	122.09
261-145	34mm cup expansion plug	1.00	4.49	GST 5.00%	4.49
6207-2NSL	ball bearing 35x72x17	1.00	16.91	GST 5.00%	16.91
6207-2NSL	ball bearing 35x72x17	1.00	16.91	GST 5.00%	16.91
7903-225250	2.25" x 2.5" str blue reducer	1.00	68.48	GST 5.00%	68.48

Item		Qty/Hrs	Price/Rate	Sales Tax	Net
7903-250300	2.5 x 3 str blue reducer	2.00	75.72	GST 5.00%	151.44
2897334	imap sensor	1.00	127.85	GST 5.00%	127.85
4928594	exhaust gas back pressure sensor	1.00	250.87	GST 5.00%	250.87
3691476	lifetime crankcase gas filter	1.00	179.65	GST 5.00%	179.65
4988280	power steering pump gasket	1.00	6.52	GST 5.00%	6.52
3049221	o ring	3.00	4.28	GST 5.00%	12.84
1310-CV	1310 series cv driveshaft	1.00	401.72	GST 5.00%	401.72
5-676x	1810 half round	2.00	203.41	GST 5.00%	406.82
3102645	seal. oring	1.00	5.62	GST 5.00%	5.62
3027924	gasket, connection	1.00	4.31	GST 5.00%	4.31
3102646	seal, oring	1.00	10.45	GST 5.00%	10.45
2863702	seal, oring	1.00	16.68	GST 5.00%	16.68
29546229	seal, fill tube	1.00	11.77	GST 5.00%	11.77
29558329	transmission service kit, filter 6" for 4" sump	1.00	95.95	GST 5.00%	95.95
29524449	gasket	2.00	5.49	GST 5.00%	10.98
29548953	filter cover oring	2.00	7.67	GST 5.00%	15.34
29507437	trans fl spirax s6 att	28.00	24.93	GST 5.00%	698.04
FJ5984-88	#8 sht pilot female - #8 hose	1.00	44.37	GST 5.00%	44.37
slcsc-062	5/8 gr c nc stvr lk nut	8.00	1.11	GST 5.00%	8.88
CS8SC-062-250	5/8 x 2 1/2 Gr8 NC bolt	8.00	2.42	GST 5.00%	19.36
8WS-062	WASHER 5/8 FLAT	16.00	0.42	GST 5.00%	6.72
SKI4667	AC compressor 8 groove	1.00	325.24	GST 5.00%	325.24
8600314	alternator, 28si pad mount	1.00	649.80	GST 5.00%	649.80
Misc Hose	hose - A/C low pressure	1.00	291.45	GST 5.00%	291.45
112-A	1//8npt close nipple	1.00	0.55	GST 5.00%	0.55
5394102	gasket oil pan	1.00	96.02	GST 5.00%	96.02
5526-025	1/4 silicone hose	15.00	6.36	GST 5.00%	95.40

Item		Qty/Hrs	Price/Rate	Sales Tax	Net
82-2103EA	batt. master disc. switch	1.00	55.91	GST 5.00%	55.91
4060547	6pk1390 poly v-belt	1.00	36.85	GST 5.00%	36.85
3025354	bearing, needle	1.00	30.66	GST 5.00%	30.66
2863702	seal, oring	1.00	30.83	GST 5.00%	30.83
RR - custom tune	-CM876 ISM500/EGR/Aftertreatment Delete	1.00	1,500.00	GST 5.00%	1,500.00
Misc	-ENGINE incl brokerage/duty - ESN 35229160 ISM500 CM876	1.00	22,000.00	GST 5.00%	22,000.00
If14000nn	isx engine oil filter	1.00	54.78	GST 5.00%	54.78
used part	good used throttle pedal, incl fast shipping fr Kentucky and brokerage	1.00	1,868.41	GST 5.00%	1,868.41
5515-250	2.5 inch silicone rad hose (per inch)	12.00	4.50	GST 5.00%	54.00
Synthetic Transmission 75w90	Eaton recommended fluid (per litre)	1.00	15.34	GST 5.00%	15.34
hardware 2	Misc Fasteners	1.00	50.00	GST 5.00%	50.00
5515-225	2 1/4 silicon rad hose	6.00	4.00	GST 5.00%	24.00
504060ETN	bearing kit output shaft	2.00	11.60	GST 5.00%	23.20
CT-300-L-SS	2 1/4 - 3 1/8 t-bolt clamp	2.00	12.34	GST 5.00%	24.68
SilH-075-50	3/4 silicone heater hose	6.00	8.39	GST 5.00%	50.34
hose clamp.	quality/lawson	11.00	7.50	GST 5.00%	82.50
90368b	5 inch stainless step clamp	1.00	19.31	GST 5.00%	19.31
EC50UZP	clamp-muffler band - zinc	1.00	9.44	GST 5.00%	9.44
50/50 premix coolant	3.78 litres premixed	15.00	11.25	GST 5.00%	168.75
WF2122	coolant filter - spin on	1.00	56.53	GST 5.00%	56.53
silh-050-50	1/2 silicone heater hose	2.00	7.41	GST 5.00%	14.82
R134A refrigerant	R134A refrigerant	6.00	50.00	GST 5.00%	300.00
K301-401	switch-fan override	1.00	206.10	GST 5.00%	206.10

Item		Qty/Hrs	Price/Rate	Sales Tax	Net
GA31S	group 31 stud top batteries	2.00	146.95	GST 5.00%	293.90
ATF	automatic transmission fluid - P/S	4.00	9.19	GST 5.00%	36.76
4034289MS	Genuine Actuator	1.00	2,035.00	GST 5.00%	2,035.00
Shipping	-injector shipping	1.00	46.00	GST 5.00%	46.00
shipping from GP	shipping from GP	3.00	33.00	GST 5.00%	99.00
Shipping - Misc	-Engine From Kentucky	1.00	2,800.00	GST 5.00%	2,800.00
3032787	O-ring	2.00	8.21	GST 5.00%	16.42
Misc Hose	hose - repair power steering hose to front of unit	1.00	204.60	GST 5.00%	204.60
5511540380	4" x 8" CAC hose - triple rib	1.00	54.18	GST 5.00%	54.18
15W40	engine oil	35.00	6.47	GST 5.00%	226.45
B9224-0436	T-bolt clamp for 4 inch air piping	2.00	14.39	GST 5.00%	28.78
shop supplies	on labour at 5%	1.00	701.25	GST 5.00%	701.25

Comments

2007 NEWMAR ESSEX
VIN # 4VZAU1C977C057747
OLD ESN 35170245
NEW ESN 35229160 ISM500 CM876
ECM AT20062
500 HP

Total Net	51,865.55
GST 5.00%	2,593.29
Invoice Total	54,458.84
Total to Pay	\$54,458.84

Terms and Conditions

137.5 hrs