BROWN AND HURLEY
The BIG TRUCK People

TRUCK SALES, TRAILER SALES, PARTS & SERVICE

A.B.N. 66 010 732 966

2632 Ipswich Road, Darra QLD 4076
Phone: (07) 3363 8000 Fax: (07) 3363 8080
bris.admin@brownandhurley.com.au
www.brownandhurley.com.au

SERVICE TAX INVOICE

Invoice To:

Deliver To:

Document No.:	***3120719***
Document Date:	12/02/2024
Repair Order No.:	874045
RO Creation Date:	29/01/2024
Rego No.:	XQ78CL
Make/Model:	2017 KENWORTH K200
Vehicle ID No.:	6F5000000HA459565
Fleet No:	
Odometer:	222000
Engine Hours:	
Delivery Date:	17/11/2017
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k039 Unit went bang on Toowoomba range. Toowoomba B & H attended and found engine locked up. Customer towing unit inon float.

$9,499.96

Placed vehicle on bits of wood for elevation.
Drained oil which had a very large amount of coolant.
Removed sump from engine large amount of meta found which appeared to be the liner.
Went to remove the stiffener plate all the bolts but two seized.
Tried placing bottle jack under ¾ gun but had no success also tried using the grinder and chisel to break the seal with not luck.
Continue removing bolts with the oxy and air chisel. Cylinder 5 the piston can be seen damaged and also appears to be damage to the block.
Started un-plumbing and removing engine. Strip engine, remove all wiring, piping and fluids, separate engine from gearbox, remove engine
Strip head, use forklift to extract failed piston, bag & tag parts and clean bay.
De spec old engine, Swap all components from old motor to new motor, replace power steering pump, fit old motor to crate and wrap for storage.
Fit input shaft kit to box, replace heavily worn clutch lever, checked all rose joints and bell crank.
Remove and re reroute new heater lines from chassis into hvac unit, fab and fit new horton supply line and thermostat line.
Replace front and rear engine mounts, replace all silicone cooler hoses and clamps,
instructed to replace heavily chaffed ac line, degas system and soak fittings in penetrant, apply heat and split fitting in order to remove, still seized to compressor and snapped fitting out of compressor, replaced compressor, attempted to salvage other line with no luck also seized to aluminium fitting, replace second ac line, remove washer bottle to gain access to evap line, secured all wiring and harnesses conduit all lines to prevent chaffing, resecuring with new p clamps as necessary
repair stripped threads in horton, helicoil and Loctite studs in place.
Refit engine, reconnect to gearbox, bolt up clutch,
dress motor with all airlines and harnesses, reconnect stater motor, CAC, rad, exhaust, intake and shrouds.Replace fuel pro and air filters,
reconnect driveline
fill and prime engine.
Secure all wiring harnesses to sump, carry out clutch adjust, top up fluids as necessary
connect to test trailer road test
Upon return inspect engine, grease vehicle, carry out turntable adjust as noted play on test drive,
replace dash warning lights.
wash down vehicle and park out for collection
clean bay and return all parts not used

Part Number	Part Description	Quantity	Total Cost
K041-951	SCREW-HEX SOCKET	1.00	8.69
BBC4	BRAKE CLEANER	2.00	9.98
PS2820-15R102	TRWPOWER STEERING PUMP	1.00	1,633.80
E55-1129	LEVER-CLUTCH CONTROL	1.00	185.33
20620-4-4	FITTING	4.00	46.32
80-062T	HOSE-SILICON 5/8" (PER FOOT)	23.00	173.19

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40016 B9228-	CLAMP-HOSE SIZE 21-38MM	1.00	3.73
0275B 34-500F	CLAMP	3.00	42.27
12PK2380	3/4 X 500 UNF GR8 BOLT	4.00	16.04
1324.05	BELT V RIBBED DAYCO POLY	1.00	72.68
1324.20	PREMIUM BLUE 8600 5L OIL	2.00	96.02
201-4/1	PREMIUM BLUE 8600 20L OIL	2.00	341.32
3/4HDWASHZP	HOSE # 4 PER METRE	4.00	32.16
308935.515PA	WASHER 3/4 x 38.00 x 3.2mm	8.00	9.36
C K-4460-PAC	CLUTCH-ADVANTAGE	1.00	2,127.04
3104119 34-	CLUTCH KIT INC KW X	1.00	596.45
412F	SHAFTS GASKET COVER	1.00	72.41
34F	PLATE	4.00	14.04
40028	3/4 X 412 UNF GR8 BOLT	4.00	6.40
4305294	3/4 UNF NYLOC GR8 NUT	2.00	7.94
4988280	CLAMP-HOSE SIZE 33-57MM	1.00	19.34
52371.01	GASKET	1.00	22.98
	GASKET	1.00	83,255.00
Comments: esn 80559266	X15 500/1850		
80-100T	HOSE 1" (PER FOOT)	3.00	44.73
D1030-2650A-1	HOSE-SILICONE 2-1/2"	3.00	126.09
D13-1001-4	BUSHING-REAR ENGINE BARRY	2.00	715.42
D13-1012	BUSHING-FRONT ENGINE	2.00	269.26
D50-1082-0500	HOSE-OIL FILL 500MM BASE PART	1.00	102.35
ELC40-20M	PACGEN ELC40 PREMIX 20L	3.00	378.99
FS19764	FUEL/WATER SEPARATOR	1.00	39.89
K066-404	BUSHING-FRONT ENGINE	2.00	215.82
K066-421	BUSHING SNUBBER BAR	2.00	471.76
K181-6101	PIPE-OIL FILL	1.00	188.66
P182000	AIR FILTER ELEM	2.00	141.52
V404P-10-6	TAP-HEATER	1.00	23.08
90-0013	CLAMP-5" V-BAND	1.00	66.15
2866337CUM	GASKET 5"	2.00	75.06
EC50UZP	CLAMP 5" FLAT BAND ZINC TRP	1.00	11.30
HTM600L	CLAMP-HOSE W/LINER	1.00	9.40
236577N	GASKET-GOVERNER	1.00	12.24
K233-495	STUD- ANTI VIBRATION	2.00	187.38

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V50-1022-12FC0-1000 V50-1022-13KG0-2700 D50-1077	HOSE - COMP TO COND	1.00	226.32
	HOSE-HFC 134A	1.00	275.12
	HOSE-HUMP, CAC	1.00	115.54
	HOSE-HUMP, CAC	2.00	206.76
D50-1078 F16-6000-031B413S F16-1008-0456 F69-1006-211	CLAMP 4"	10.00	87.90
	CLAMP 4 1/2"	2.00	21.66
	COMPRESSOR-REFRIGERANT SHD	1.00	624.53
K251-571	FILTER-FREON, RECEIVER/DRYER	1.00	146.68
P14362-104 P14362-002 DSWS50HSK2	CLAMP-CUSHIONED 5/8"ID	1.00	5.57
	CLAMP-CUSHIONED 1-1/8"ID	1.00	5.82
CSC82052	HOSE-ANCHOR	1.00	6.76
3428938	BOLT-RPL	4.00	25.48
K87006	TRANSMAX ATF DEX/MERC MV 4L AZ	1.00	45.00
	GLOBE & HOLDER-12 VOLT	2.00	14.44
	Parts Totals:	***133.00***	***$93,679.17***

K039-1 Re-rate 600@ 1850

Sublet Cummins. ***$5,315.00***
Order number W519540 / invoice 1135921.
Rerate from 500 hp 1850 ft/lb to 600 hp.

K046 Warranty coverage.

Sublet Cummins. ***$7,055.00***
Order number W519518.
Invoice 1140267.
ESN - 80559266.
Certificate number ; CA20027.
4 Years.
1200000KM.
18000 Hours.

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600000L Fuel brn.

Advisor: Ryan Date

PART S	$93,679.17
LABOUR	$9,784.96
MISC. CONSUMABLES	$250.00
ENVIRONMENTAL LEVY	$250.00
SUBLET	$12,085.00
OTHER CHARGES	$0.00
TOTAL GST CHARGED	$11,604.91
TOTAL Incl. GST	$127,654.04

Workshop Trading Hours: Mon-Fri 6:30am to 9:15pm, Sat 8am to 12pm
*** Refrigerant trading authority number: AU13435 ***

Customer's Signature

Bank Account Details for Direct Payments:
Bank: CBA Branch: Kyogle
BSB: 062563 Account No.: 10059314 Account Name: The Brown and Hurley Group Pty Ltd