Tax invoice

Purchase order no	Invoice number	Issue date	Due date
909		15/04/2026	15/04/2026

Item ID	Description	UoM	Qty	Unit price ($) *excluding tax*	Disc. (%)	Tax	Amount ($) *excluding tax*
Labour	Hourly Labour Rate - Equipment Details Rego: 909SCT ESN: 79596111 Chassis: 448186 Speedo: 254,379 kms Taco: 29,425 hrs Model: Kenworth T909 Work carried out: -Remove the bull bar and bonnet to improve access -Drain engine of Fluids (Coolant collect for reuse/Lube oil dispose of) REMOVE -Engine air intake system -OEM cooling system plumbing (Charge air pipes, coolant pipes, fuel & transmission coolers) -OEM cooling system (Radiator, charge air cooler, recirculation baffles, air conditioning condenser, supporting stays) -Cooling fan hub, alternator, air conditioning compressor, mega bracket, belt tensioners and idler pulley -Thermostat housing -OEM truck wiring -Valve cover -Overhead assemblies (Injector rocker assemblies, valve rocker and engine brake assemblies) -Oil filler arrangement and top tin cover -Vibration damper, front seal, lower tin cover -Timing gears -Power steering pump and air compressor -Camshafts front end plates -Front engine mount bolts and bracket	Hrs	58	155.00	0.00	GST	8,990.00

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	-Engine gear housing -Residual engine lube oil left in cylinder head -OEM belly bar -Lube oil pan -Oil pump suction tube and lube oil pump -Clean cylinder block front housing gasket sealing face and lube oil pan gasket sealing face -Use lapping stone on the aluminium gear housing to get the gasket sealing faces clean, smooth and level and remove fretting indicators -Clean all engine components removed that will be reused of debris and contaminates -Had to install 5 heli coil thread repairs in M10 threads in the aluminium gear housing -Remove No: 1 main bearing cap and the lower and upper bearing shell -Use brake cleaner and compressed air to remove any debris from oil galleries and crankshaft main bearing journal -Reinstate the main bearing shells, bearing cap and retaining bolts -Tension the main bearing cap retaining bolts on No: 1 journal -Found the Horton fan clutch requiring overhaul as front steel wear plate worn enough to hide a considerable amount of friction on clutch plates -Dismantle the Horton fan clutch. Clean the parts required for reuse. Reassemble the Horton fan clutch with outback upgrade service kit INSTALL -Front gear housing and tension the retaining bolts -Gear housing side support brackets to the cylinder head -New front engine mounts and front engine support bracket -Lower timing gears and tension retaining bolts -Lower tin cover, front seal, vibration damper, drive pulley -Camshafts front end plates -Air compressor and power steering pump -Timing gears (Set gear train back lash and time camshafts to crankshaft) -Top tin cover -Lube oil pump and oil suction tube -Lube oil pan -Had to replace the OEM oil temperature sender as found terminal post was spinning in the sender and had an open circuit						

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	-Remove the coolant thermostat which was 180 Deg F rated and thermostat seal -Install a new 160 Deg F coolant thermostat and seal -The lower temperature rated thermostat allows coolant to enter the radiator earlier and close the internal coolant bypass circuit off earlier to take the benefit of ram air cooling over the radiator while vehicle is in motion to reduce coolant fan cycling -Thermostat housing back onto the engine -Overhead assemblies (Injector rocker assemblies, valve rocker and engine brake assemblies, engine brake harness) tension the retaining bolts -Adjust engine overhead assemblies (Injector preload, intake and exhaust lash, engine brake clearance) -Use new engine oil and pressure prime the engine lube oil system with new engine oil to fill the engine oil galleries with clean filtered lube engine oil. Oil is also pressure fed into the lube oil pump, lube oil filter, gear train, crankshaft bearings, cam bushes, cam followers, overhead rocker assembles, turbocharger bearings, air compressor etc to pre lubricate all critical engine parts prior to engine start up and purge the entrapped air out of the engine oil galleries after a major repair event -Start and operate engine (Check oil flow in cylinder head cavities and to the overhead assemblies and also check engine brake operation) -Install the valve cover -Cooling fan hub, mega bracket, alternator, air conditioning compressor, belt tensioners and idler pulley -OEM truck wiring -OEM cooling system (Radiator, charge air cooler, recirculation baffles, air conditioning condenser, supporting stays with new lower mounts) -OEM cooling system plumbing (Charge air pipes, coolant pipes with new coolant hoses, fuel & transmission coolers) -Install missing washers on lower charge air cooler lower isolators, also had to install new isolators on the lower mounts as the isolator sleeves was pulled up out of both the bottom isolators and were pulled into the charge air cooler mount slots -Make up side and bottom rubber recirculating baffles and install them onto the cooling package, Install new OEM top recirculating baffle as the original one had around half of the metal broken off and missing and could not be repaired						

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	-With the missing recirculating baffles now installed all the ram air coming through the bonnet in forced to go through the charge air cooler and radiator cores, also at low road speed when the cooling fan in engaged and the hot air is dispersed under the cab and out the rear, and the hot air off the radiator and charge air cores is then not allowed to recirculate around back onto the radiator core, this also limits the amount of cooling fan on time to help improve fuel economy -Filters replace the lube oil filter and coolant filter -Fill cooling system (Used original coolant and topped up for losses) -Remove the hard and porous fuel return line from the engine IFSM to the fuel cooler and then back to the left side front fuel tank, retain hose as required -Engine air intake system -Retain and support OEM wiring and plumbing in engine compartment to limit contact and protect from wear -Replace the bonnet pivot bushes and retaining bolts -Reinstate the bonnet onto the chassis and replace the bonnet support crossbar chassis mounted rubber travel stoppers and space up to limit rocking side to side -Install large diameter buffer/rubber stop under the bonnet crossbar for better support and to better limit bonnet side rocking movement -Wash and degrease engine -Run engine to confirm repairs -Install OEM power train protection torque limit switch in the battery box and limit the engine torque output to 1850 FTLBS in the ECM parameters when the switch circuit is open position, when switch circuit is closed position the engine is rated at full engine torque of 2050 FTLBS						
Parts	4299125 - Seal O Ring	Qty	1	91.00	0.00	GST	91.00
Parts	4299124 - Seal O Ring	Qty	1	73.63	0.00	GST	73.63
Parts	5658175 - Seal Rectangular Ring	Qty	1	72.97	0.00	GST	72.97
Parts	5658176 - Gasket Camshaft Cover Injector	Qty	1	79.80	0.00	GST	79.80
Parts	5719778 - Gasket Camshaft Cover	Qty	1	55.76	0.00	GST	55.76
Parts	4962721 - Seal Diamond Strip	Qty	1	188.64	0.00	GST	188.64
Parts	4962722 - Seal Diamond Strip	Qty	1	167.19	0.00	GST	167.19
Parts	4010600 - Seal O Ring	Qty	1	23.45	0.00	GST	23.45
Parts	4965690 - Gasket Accessory Drive Support	Qty	1	207.09	0.00	GST	207.09
Parts	4988280 - Gasket Hydraulic Pump	Qty	1	26.19	0.00	GST	26.19
Parts	3103015 - Seal Grommet	Qty	2	22.24	0.00	GST	44.48

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Parts	4955383 - Seal Oil	Qty	1	621.63	0.00	GST	621.63
Parts	3688114 - Plug Gear Cover	Qty	1	51.30	0.00	GST	51.30
LF14000NN	LF14000NN - Lube Filter	Qty	1	79.70	0.00	GST	79.70
Parts	3678603 - Seal O Ring	Qty	6	18.80	0.00	GST	112.80
Parts	3936876 - Seal Rectangular Ring	Qty	2	25.92	0.00	GST	51.84
Parts	3903475 - Seal Rectangular Ring	Qty	1	30.14	0.00	GST	30.14
4318946	4318946 - Thermostat	Qty	1	157.70	0.00	GST	157.70
186780	186780 - Thermostat Seal	Qty	1	30.44	0.00	GST	30.44
Parts	M3682873 - Gasket Therm Housing Cover	Qty	1	57.00	0.00	GST	57.00
WF2077	WF2077 - Water Filter		1	24.99	0.00	GST	24.99
Parts	3391271 - Lubriplate 105 Grease	Qty	1	19.24	0.00	GST	19.24
Hose 1/4" OF	1/4" Radiator Overflow Hose	Qty	3	7.50	0.00	GST	22.50
Parts	Bushing Radiator	Qty	2	40.39	0.00	GST	80.78
Parts	Seal Assembly Top	Qty	1	489.43	0.00	GST	489.43
Parts	Temp Oil Sender 150degC	Qty	1	29.06	0.00	GST	29.06
Parts	Pipe Flex Exhaust	Qty	1	298.20	0.00	GST	298.20
Parts	Bush Anti Vibration	Qty	2	74.69	0.00	GST	149.38
Parts	Bushing Front Engine	Qty	2	153.24	0.00	GST	306.48
Parts	Bushing Front Engine	Qty	2	120.55	0.00	GST	241.10
Parts	Bolt Shoulder Sock	Qty	2	53.80	0.00	GST	107.60
Parts	Bush Hood Hinge	Qty	4	69.85	0.00	GST	279.40
Parts	Bump Stop	Qty	2	65.53	0.00	GST	131.06
Parts	HT/S Outback Upgrade	Qty	1	1,138.22	0.00	GST	1,138.22
Parts	Bush Rubber	Qty	2	126.20	0.00	GST	252.40
Parts	Washer 1/2x2x3mmzp	Qty	10	4.30	0.00	GST	43.00
Parts	Large S/S Washer	Qty	2	15.00	0.00	GST	30.00
Hose 2.5" ST	2.5" Silicon Straight Radiator Hose	Qty	0.52	205.05	0.00	GST	106.63
-10 BL	-10 Braided Line Blue High Temp	Qty	7.6	47.96	0.00	GST	364.50
Joiner 1"	1" Joiner		1	2.27	0.00	GST	2.27
Parts	2 Pin Weather Plug Kit Set M/F	Qty	2	5.00	0.00	GST	10.00
Parts	2 Pin Deutsche Plug Set M/F	Qty	2	5.00	0.00	GST	10.00
Clamp HTM550	HTM550 H/T Worm Drive Clamp S/S Screw	Qty	1	13.89	0.00	GST	13.89
25 PC	25mm P Clamp	Qty	6	3.75	0.00	GST	22.50
40 PC	40mm P Clamp	Qty	6	4.40	0.00	GST	26.40
DZ	Double Ziptie	Qty	20	3.50	0.00	GST	70.00
Parts	3/4" UNF x 5" Bolt	Qty	2	6.48	0.00	GST	12.96
Helicoil	Helicoil M10 1.5	Qty	5	5.00	0.00	GST	25.00
Parts	Rubber Mat	Qty	1.3	132.00	0.00	GST	171.60

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Strap Tie Harness	Strap Tie Harness	Qty	1	13.53	0.00	GST	13.53
PGXLV	PGXL Vital Coolant	Qty	5	9.24	0.00	GST	46.20
Top Dog 15W40	Top Dog Indestructible 15W40	Qty	48	6.37	0.00	GST	305.76
ATF Dextron III	ATF Dextron III	Qty	1	7.40	0.00	GST	7.40
Consumables	Consumables	Qty	1	200.00	0.00	GST	200.00

Subtotal *(exc. tax)*	$16,264.23
Tax	$1,626.42
Total Amount *(inc. tax)*	$17,890.65
Total paid	$0.00
Balance due	**$17,890.65**

Invoice number

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