



# TAX INVOICE

Invoice Date  
6 Mar 2024

Invoice Number  
INV-1633

Reference  
P15 engine rebuild

ABN  
42 660 074 699

R.A.C Mechanical Pty Ltd  
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ABN: 42 660 074 699  
ARC authorised AU55211

Description	Quantity	Unit Price	GST	Amount AUD
P15 Engine Running Rough				
<p>Truck arrived at workshop on a tilt tray. Lifted cab and inspected engine oil leak and engine sump capacity. Found that the engine oil was overfull and found that excess oil was coming out of the exhaust. Removed exhaust sections and inspected the turbo, Found that the turbo had impact damage on the exhaust wheel. Removed the rocker cover, jake brakes and rocker gear, Removed the fuel injectors and found that No. 3 fuel injector tip was missing. Installed bore scope and found no 3 piston had seperated the crown from the skirt and that 2 x valve heads were laying in the piston. Pressure tested cooling system to inspect for any internal coolant leaks. no leaks present. Removed the cylinder head to inspect and found No.3 un repairable. Drained engine oil. Removed the engine sump. Removed multiple Main caps and inspected for wear. Found that the main bearings were extremely work. Removed big end bearing caps on 2 &amp; 5 and found that the big end bearings were extremely worn to the point of un usable. REcommended to rebuild the entire engine due to worn parts and heavy metal contamination. Sourced and collected new parts. DRained all coolant. Removed all intake and exhaust pipework. Removed Electrical harnesses. Removed rocker covers. Removed the Rocker gear and camshaft. Removed the cylinder head and inspected the engine. Removed all Pistons and liners from the engine. Removed the turbo. Cleaned out all pipework. Removed the oil Cooler. Stripped and flushed the oil cooler. reassembled the oil cooler. Stripped the engine and carried out complete flush of the oil pressure system. Carried out main bearings roll and crankshaft flush. Installed new pistons and liners with new bearings. Swapped over all reuseable parts from the old cylinder head to the new cylinder head. Installed new cylinder head onto the engine. Reinstalled the camshaft and all associated components. Reinstalled rocker gear and jake brake assemblies. Carry out valve set procedure. Reinstalled all intake, exhaust, coolant, fuel and oil pipework. Reinstalled all electrical harnesses. Installed all ducting. installed new engine filters. installed oil pick up and oil pump. Installed engine sump and filled with engine oil. Primed the fuel system and ran up to test. All ok. Test</p>				

Description	Quantity	Unit Price	GST	Amount AUD
drove vehicle Multiple times to check For cool, oil and fuel leaks. All ok.				
Labour	45.00	115.00	10%	5,175.00
Rebuild of engine				
Labour	8.00	115.00	10%	920.00
Diagnoses of engine failure				
Labour	7.00	115.00	10%	805.00
Extra time taken to clean all foreign material from the engine.				
Parts	1.00	13,520.00	10%	13,520.00
Engine rebuild kit				
Cylinder head				
1 x second hand turbo				
60 lt coolant				
40 lt 15w-40 engine oil				
1 x fuel injector				
1 x oil line				
Consumable	1.00	42.50	10%	42.50
Subtotal				20,462.50
TOTAL GST 10%				2,046.25
TOTAL AUD				22,508.75

**Due Date: 9 Apr 2024**

PLEASE NOTE OUR BANK ACCOUNT DETAILS HAVE CHANGED.

NEW BANK ACCOUNT DETAILS ARE AS FOLLOWS

BSB 064-819

ACC 1054 7187

Please Ensure this Invoice is paid within 7 days Thank you.

Reference for payment - "Invoice Number"

BANK DETAILS

R.A.C Mechanical Pty Ltd

BANK: CBA

BSB 064-819

ACC 1054 7187

Thank you for your business

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