

SUBARU ENGINE BUILD SHEET

Engine No	FM 26				Customer	TRAVIS WOOD					
Full Build	YES				Date	19/04/2013					
Block Type	EJ 257		New/Used		Condition		Good				
Bore Size	100mm										
Crankshaft Type	79mm NITRIDED				New/Used						
Main Sizes	1	Acc in	2		3		4		5		
Big End Sizes	1	OE SPEC	2		3		4		5		
End Float	.002"										
Bearing Clearances											
Mains	1	.002"	2	.0015	3	.002"	4	.0015"	5	.002"	
Big End	1	.002"	2	.002"	3	.002"	4	.002"	5		
Piston to Bore Clearance	.003"										
Make of Piston	MAHLE W32				Ring Type					MAHLE	
Make of Bearings	ACL/SUBN		Mains		ACL		Big End		ACL		
Ring Gap	Top	.020"		2nd	.022"		Oil	.039			
Piston Coating Type	NONE KOOL			Skirt / Crown			NONE				
Con Rod Make	MANLEY			Length			130.5				
Con Bolt Stretch/Torque	.005" - .007" 55FT LBS.										
Cyl. Head Gasket Make	OSWORTH				Thickness		1.1mm				
Head Bolts/Studs	OSWORTH H11 11mm										
Piston Squish Height	1	-.006"		2	-.004"		3	-.003"		4	-.005"
Piston Volume @ TDC	1	24.0		2	24.1		3	24.0		4	24.2
Cylinder Head Volume	1	49.5cc		2	49.7cc		3	49.8cc		4	49.5
Compression Ratio	1	8.53		2	8.50		3	8.53		4	8.51
Cylinder Head Valve Clearances											
R/H Inlet	1	.008"		2	.008"		3	.009"		4	.008"
R/H Exhaust	1	.012"		2	.012"		3	.013"		4	.012"
L/H Exhaust	1	.013"		2	.012"		3	.012"		4	.013"
L/H Inlet	1	.008"		2	.008"		3	.009"		4	.008"
Camshaft Type Inlet	OE SUBARU W/RK				Exhaust		OE SUBARU W/RK				
Tappet Piston Type	SHIMANO BUCAR				New/Used						
Valve Spring Type	STI OE				New/Used						
Valve Inlet Type	STI OE				New/Used		REPLACED				
Valve Exhaust Type	STI				New/Used		REPLACED				
Oil Pump Type/Size	11mm OE				New/Used						
Timing Belt Idlers	SUBARU OE				New/Used						
Timing Belt Type	GATES				Timing Belt Tensioner		INAW TESTED & 1 REAW RE-USED.				
Water Pump	OE SUBARU				New/Used						
Modine Cooler	REPLACED				New/Used						
Exhaust Gaskets	SUBARU OE				New/Used						
Water Pressure Test	20		PSI		30		MINS		OUT.		
Cylinder Leakage Test	1	5%		2	6%		3	6%		4	5%