



Kiwi Cylinder Heads Ltd

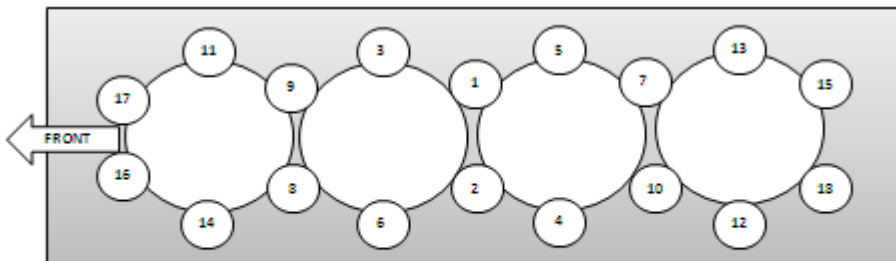
31 Carbine Rd, Mt Wellington, Auckland

TECHNICAL INFORMATION – TOYOTA 5L

ENGINE	TOYOTA 5L/T. P/N 10081059		ENGINE	TOYOTA 5L/T. P/N 10081059		
CAPACITY	2986cc		TORQUE SETTINGS	20Nm / 78Nm / +90* / +90*		
TYPE	L4		HEAD BOLTS (TTY)	YES / REPLACE WITH P/N 30086007		
CAMS	SOHC		HEAD GASKET SIZES mm	1.40 - 1.50	1.50 - 1.60	1.60 - 1.70
VALVES	8		PISTON PROTRUSION mm	0.68 – 0.77	0.78 – 0.87	0.88 – 0.97
CAM DRIVE	BELT		ROUGHNESS	1.5 / 1.8 um		
BORE / STROKE	99.5 x 96mm		FIRING ORDER	1-3-4-2		
TURBO Y/N	YES & NO		IDLE SPEED	750-850 rpm		
FUEL	DIESEL		COMP. RATIO	22.3:1		
YEARS	1997-2005		VALVE LENGTH	104.3mm OVER ALL		
VALVE GAPS mm	INLET 0.20 – 0.30	EXH. 0.40 – 0.50	FUEL DELIVERY	IN-DIRECT INJECTION		

Toyota 2/3/5LT 1985 - 2005 Torque Sequence

- HEAD BOLT P/N 30086007 QUANTITIES: 14 @ 127/50mm M12 x 1.25mm
- HEAD BOLT TIGHTENING SEQUENCE. 4 @ 107/50mm M12 x 1.25mm
- STEP ONE: 20Nm
- STEP TWO: 78Nm
- STEP THREE: +90*
- STEP FOUR: +90*
- IMPORTANT: ALL BOLT THREADS, BOLTHEADS AND WASHERS MUST BE LIGHTLY OILED.
- USING AN OLD HEADBOLT WITH GROOVE CUT DOWN THREAD, CLEAN THE BLOCK HEADBOLT THREADS.



www.kiwicylinderheads.co.nz

0800-549-429

ASSEMBLY GUIDE

DO THOROUGHLY CLEAN ALL MATING SURFACES.

DO USE NEW HEADBOLTS.

DO SERVICE THE INJECTORS.

DO FLUSH THE ENTIRE COOLING SYSTEM OF REMAINING ANTI-FREEZE.

DO LIGHTLY OIL HEADBOLTS INCL. UNDER THE HEAD & WASHER.

DO NOT CLEAN BLOCK THREADS WITH AN ENG. TAP. USE AN OLD HEADBOLT.

DO NOT ADD ANTI-FREEZE UNTIL VEHICLE HAS TRAVELLED MIN. 600KMS, WATER ONLY.

DO RING US FOR ASSISTANCE

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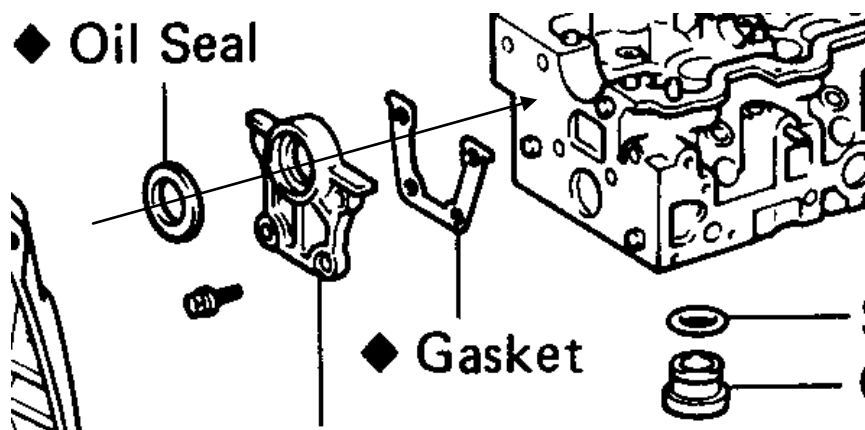


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Please ensure the camshaft seal housing and camshaft seal center on the camshaft after fitting housing. If not centered then oil leak may occur and the timing cover and timing equipment will need to be removed and re-fitted to rectify the leak. Please check at fitment. If deemed too out of alignment then removing the dowels and aligning and locking bolts down will rectify.

If you have any further queries please contact us on 0800-549-429.



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