

# TAM QUICK ENGINE SPECIFICATION

specs\_toy\_5r.xlsx

Toyota 5R				
1994 C.C.				
BORE	STROKE	FIRING	MAIN	ROD
3.465	3.229	1-3-4-2	2.3622	2.165
SPARK PLUG	SPARK PLUG	DISTRIBUTOR	IGN.TIMING	OIL CAPACITY
TYPE	GAP	GAP	IDLE SPEED	WITH FILTER
W9EP	.028-.031	.016-.020	10 deg.BTDC/550	1.27 U.S. gals.
TORQUE VALUES				
LOCATION	FT. LB.		LOCATION	FT. LB.
Main brg.caps	74-84		Oil pan drain plug	21-29
Rod brg. caps	43-50		Oil pump bolt	13-19
Cyl. head bolts	74-84		Rocker arm nut	10.8-15.8
Cam sprocket bolt	22-29		Rckr.shaft brckt.bolt	10.8-15.8
Crank pulley bolt	31-41		Timing cover	2.1-5.1
Flywheel bolt			Spark plug	
Flywheel housing	41.8-47.6		Water outlet bolt	
Manifold bolt and nut	10.8-15.8		Water pump bolt	
Oil pan bolt	2.1-5.1		Wtr.pmp.pulley bolt	
PISTON				
Diameter	3.4630-3.4643		Cyl.bore clearance	.0012-.0020
Pin diameter	.8660-.8665			
RINGS				
Ring gap-Top	.0071-.0130		Side clearance-Top	.0012-.0028
Ring gap-2nd	.0071-.0130		Side clearance-2nd	.0012-.0028
Ring gap-Oil	.008-.0280			
CRANKSHAFT				
Main journal dia.	2.3610-2.3622		Rod journal dia.	2.1638-2.1650
Main run clearance	.0008-.0020		Rod run clearance	.001-.002
End play				
CAMSHAFT				
1st journal dia.	1.8291-1.8297		4th journal dia.	1.7996-1.8002
2nd journal dia.	1.8193-1.8199		5th journal dia.	1.7897-1.7904
3rd journal dia.	1.8094-1.8100			
VALVES				
Intake length	4.311		Exhaust length	4.311
Intake stem dia.	.3335-.3341		Exhaust stem dia.	.3331-.3337
Intake head dia.			Exhaust head dia.	
Intake face angle	45 deg.		Exhaust face angle	45 deg.
Intake clearance	.008 hot		Exhaust clearance	.014 hot