

# TAM QUICK ENGINE SPECIFICATION

specs\_maz\_fe.xlsx

<b>Mazda FE</b>				
<b>1998 C.C.</b>				
<b>BORE</b>	<b>STROKE</b>	<b>FIRING</b>	<b>MAIN</b>	<b>ROD</b>
3.386	3.3858	1-3-4-2	2.3604	2.0061
<b>SPARK PLUG</b>	<b>SPARK PLUG</b>	<b>AIR</b>	<b>IGN.TIMING</b>	<b>OIL CAPACITY</b>
<b>TYPE</b>	<b>GAP</b>	<b>GAP</b>	<b>IDLE SPEED</b>	<b>WITH FILTER</b>
W16EX-U	0.032	0.031	8 deg.BTDC/625	4.55 U.S.qts.
<b>TORQUE VALUES</b>				
<b>LOCATION</b>	<b>FT. LB.</b>		<b>LOCATION</b>	<b>FT. LB.</b>
Main brg.caps	62-66		Oil pan drain plug	
Rod brg.caps	30-34		Oil pump bolt	M8:19 M10:38
Cyl. head bolts	66-70		Rocker arm nut	13-20
Cam sprocket bolt	35-48 (nut)		Rckr.shaft brckt.bolt	13-20
Crank pulley bolt	22-24		Timing cover	
Flywheel bolt			Spark plug	11-17
Flywheel housing			Water outlet bolt	
Manifold bolt and nut	14-21		Water pump bolt	14-19
Oil pan bolt	5-9		Wtr.pmp.pulley bolt	
<b>PISTON</b>				
Diameter	3.3836-3.3844		Cyl.bore clearance	.0014-.0030
Pin diameter	.8651-.8654			
<b>RINGS</b>				
Ring gap-Top	.008-.014		Side clearance Top	.0012-.0028
Ring gap-2nd	.006-.012		Side clearance 2nd	.0012-.0028
Ring gap-Oil	.012-.035		Side clearance Oil	
<b>CRANKSHAFT</b>				
Main journal dia.	2.3597-2.3604		Rod journal dia.	2.0055-2.0061
Main run clearance	.012-.019		Rod run clearance	.0011-.0026
End play	.003-.007			
<b>CAMSHAFT</b>				
1st journal dia.	1.2575-1.2585		4th journal dia.	1.2563-1.2573
2nd journal dia.	1.2563-1.2573		5th journal dia.	1.2575-1.2585
3rd journal dia.	1.2563-1.2573		End play	.003-.006
<b>VALVES</b>				
Intake length			Exhaust length	
Intake stem dia.	.3161-.3167		Exhaust stem dia.	.3159-.3167
Intake head dia.			Exhaust head dia.	
Intake face angle	45 deg.		Exhaust face angle	45 deg.
Intake clearance	.012 hot		Exhaust clearance	.012 hot