

Download File PDF 22r Toyota Engine Specs

#Jenny



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Cool! I'am really happy

#Markus Jensen



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#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

ENGINE	
SPECIFICATIONS	
Type	4 cylinder OHC with counter balance shafts
Firing order	1-3-4-2
Compression ratio	8.8:1
Carburettor models	1-3-4-2
EPI models	9-2:1
Bore	91.1 mm
Stroke	88 mm
Capacity	2.555 cc
Lubricant	Type: 20W/40 or 20W/50 SG Capacity: Without filter: 4.1 litres With filter: 4.6 litres
NOTE: Specifications regarding engine tuning are listed in the Engine Tune-up section.	
CYLINDER BLOCK	
Material	Cast iron alloy
Cylinder block height (new)	216 mm
Bore wear limit	0.2 mm
Bore ovality and taper limit	0.12 mm
Cylinder block face distortion limit	0.1 mm
Maximum cylinder rebore	1.2 mm
Maximum machining of surface	0.2 mm
CYLINDER HEAD	
Material	Aluminium alloy
Cylinder head height (new)	90 mm
Maximum allowable distortion	0.2 mm
Maximum machining of surface	0.2 mm
VALVES AND SPRINGS	
Valve length	Inlet: 107.96 mm Exhaust: 105.56 mm
Valve stem diameter	8.0 mm
Valve stem wear limit:	Inlet: 0.10 mm Exhaust: 0.15 mm
Valve stem to guide clearance:	Inlet: 0.025 - 0.055 mm Exhaust: 0.050 - 0.085 mm
Valve head thickness (margin):	Inlet: 1.7 mm Exhaust: 2.5 mm
Valve seat contact width:	Installed height between valve spring seat and retainer: 40.4 mm + 1.0 mm Valve stem seal installed height: 14.7 - 15.1 mm
Valve spring:	Free length: 46.3 - 47.5 mm Installed height: 48.4 mm Tension at installed height: 274 N Distortion limit: 2 mm
VALVE GUIDES	
Type:	Renewable
Length:	Inlet: 47 mm Exhaust: 52 mm
Oversizes:	0.05, 0.25 and 0.50 mm
Installed protrusion:	14.7 - 15.3 mm
CRANKSHAFT AND MAIN BEARINGS	
Material:	Drop forged, steel
Number of main journals:	5
End float:	0.059 - 0.178 mm
End float controlled at:	No. 3 journal
Main journal diameter (standard):	60 mm
Main journal taper and ovality limit:	0.01 mm
Main bearing undersizes:	0.25, 0.50 and 0.75 mm
Main bearing clearance:	All except No. 3 journal: 0.016 - 0.045 mm No. 3 journal: 0.028 - 0.057 mm
Big end journal diameter:	51 mm
Big end journal taper and ovality limit:	0.01 mm
Bearing type:	Aluminium-on-iron
CONNECTING RODS AND BEARINGS	
Connecting rod:	Material: Drop forged steel
Material:	0.16 - 0.25 mm
Side clearance:	0.025 mm
Bend or twist (maximum):	0.025 mm

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