

MODEL T SPECIFICATIONS

These specifications were taken from The Model T Ford, The Car That Changed The World, with permission from Mr. Bruce McCalley.

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Model T engines are 22.50 horse power

Spark plug firing order: 1-2-4-3, number one starts at the front of the engine, (nearest radiator).

Note: These dimensions are from the Ford Service Course, and relate to new engines built after 1913. There may be variations over the years. Some dimensions will not apply to modern replacement parts (pistons, valves, etc.).

Crankshaft dimensions

Length of bearings	Front	2"
	Center	2-3/16"
	Rear	3-1/8"
	Rods	1.505"
Bearing diameter (all)		1.248"
Overall length		25-5/32"
Camshaft dimensions		
Length		22-23/32"
Bearing diameters (all)		.748"
Bearing lengths	Front	1.967"
	Center	2-7/16"
	Rear	1.750"
Width of cams		7/8"
Diameter of heel of cam		13/16"
Greatest diameter of cam		1-1/16"
Flange diameter		1-3/4"
Flange width		1/4"
Dowel holes		.3120-.3125"
Thread	Large	13/16 x 16 USF
	Small	9/16 x 18 SAE
Cylinder bores		3.750" dia. 6.752" long
Cylinder head bolt holes		7/16 x 14
Camshaft bearing holes	Front	1.374-1.375"
	Center	1.372-1.373"
	Rear	.9985-1.000"
Main bearings		1.248-1.249"
Manifold ports		1-1/8"
		(With 1-1/4" countersink, 1/8" deep)

Pistons

Diameter	Skirt	3.748-3.749"
	2nd ring	3.743-3.745"
	Top	3.738-3.740"
Ring grooves		1/4 x 13/64 deep
Pin bushing diameter		.740-.741"
Wrist pin diameter		.740-.741"
Wrist pin length		3-1/2"
Ring gaps (original rings)		
	Top	.003"
	Center	.005"
	Bottom	.008"
Push rods	Length	2-11/32"
	Diam.	.4355-.4365"
	Head dia.	1"
Push rod guide holes		.437"
Valves		
	Diameter of head & upper edge of seat	1-15/32"
	Diameter of lower edge	1-17/64--1-9/32"
	Width of valve seat	3/32"
	Angle of valve seat	45 degrees
	Thickness of head	3/16"
	Stem diameter	.3105-.312"
	Overall length	4.974" +
	Retainer pin hole	.110-.113"
		4-19/32" from valve seat line
Valve lift		7/32"
Valve tappet to stem clearance		.022-.032"
Valve ports		1-5/16"
Valve stem guide holes		.3125"

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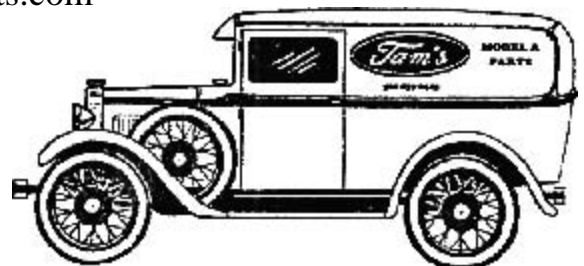
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