SPECIFICATIONS

Camshaft bearing clearance	.001 to .003
Cooling system	3 gal.
Connecting rod to crankshaft clearance	.001 to .003
Crank rod pins	1.500 less 1 to 2 thousands for oil (1.498/1.499)
Crankshaft bearing size	1.625 less 1 to 2 thousands for oil (1.623/1.624, subtract .010 or .020 or .030 for rods)
Crankshaft end play	.004
Distributor point gap	.018 to .022
End play of water pump shaft	.006 to .010
Engine compression	76 PSI at sea level; at 5,000 ft. deduct 20
Flywheel depth	1.123 distance from 12 hole surface to refinish surface
Gas tank 1928-29	10 gal.
Gas tank 1930-31	11 gal.
Oil	5 qts.
Piston to cylinders	.002
Piston ring gap - lower ring	.008 to .010
Piston ring gap - center ring	.010 to .012
Piston ring gap - upper ring	.012 to .015
Main bearing clearance	.001 to .0015
Rear axle	1 1/2 pint
Rod wrist pin bushing - Machine shop must expand ID of bushing in rod before honing to .0003 or 4.	
Spark plug gap	.035
Steering gear	7 3/4 oz. for 7 tooth, 4 1/2 oz. for 2 tooth box
Transmission	1 pint
Timing gear backlash	.004
Tire pressure	35 PSI
Valves in valve guides	.001 to .0015
Valve to tappet clearance	.010 to .012 for all valves

Fan Belt 42 1/4" Long Orig 43" New

Torque measurements are in foot-pounds.

The following is a guide for torquing the different fasteners. Remember, if original fasteners are used, their tension loss is unknown due to the number of times they have been reused. Therefore, the torque measurement might need to be adjusted. It is recommended to use all new fasteners. See "Nuts and Bolts" article in How to Restore Your Model A, Volume 3.

Main bearing cap bolts	70 - 80
Connecting rods.	45
Head	50-55
Torque up in three stages using correct sequence with final torque after engine is hot.	
Waterneck - torque with caution	50
Manifold - exhaust	50
Timing cover	25
Water inlet	40
Pressure plate - use grade 5 bolts	25
Axle housing to differential	35
Torque tube to differential	35
Oil pan	15 - 25
Valve cover	15 - 25
Flywheel	55
Rear axle shaft nut	80-90

What is Raven Finish? This is a dark dye mixed with oil. This is a temporary finish and will begin to rust within a few months after installing, unless it is sealed by spraying with a clear coat or painting black.

FASTENER SIZES - Through out the catalog we have tried to provide FORD'S actual bolt or screw size. FORD used many non standard sizes. Some of the fasteners we are supplying may be off by 1/16" in length if not critical to its use.