

# Model "A" Specifications

## Engine

Four cylinders	
Horsepower .....	40
Compression ratio .....	4.22:1
Displacement .....	200.5 Cu. In.
Bore .....	3.876"
Stroke .....	4.25"
Oil Pressure .....	2 to 3 lbs depending on weight of oil

## Capacities

Engine oil .....	5 quarts	4 quarts when changing oil	1 quart stays in pan
Cooling system .....	3 Gallons		
Radiator only .....	1 ½ gallons		
Transmission oil .....	1 ½ pints	600W	
Differential .....	2 ¼ pints	600W	
Gas Tank 28-29 .....	10 Gallons		
Gas Tank 30-31 .....	11 Gallons		
Steering ( 7 tooth ) .....	7 ¾ ounces	600w oil	
( 2 tooth ) .....	4 ½ ounces	600w oil	
Tire Pressure .....	35 PSI		

## Tune Up Specs

Firing order .....	1-2-4-3
Rotation .....	Counterclockwise
Spark plug gap .....	.035"
Point Gap .....	.018" - .022"
Rotor to distributor body .....	.035"
Spark manual advance .....	20 degrees
Compression .....	64 PSI On a strong engine no more than 5psi variance on all cylinders

## Torque specs

Axel Housing to Differential ...	35 ft lbs
Camshaft nut .....	100 ft lbs
Crank pulley .....	80 ft lbs
Exhaust / intake Manifold .....	45 ft lbs
Head nuts .....	55 ft lbs
Fly wheel .....	55 ft lbs
Fly wheel housing to cylinder block bolts ..	55 ft lbs ( use safety wire )
Main Bearings .....	70-80 ft lbs
Oil Pan .....	20 in lbs (snug) Do Not Over Tighten
Pressure plate .....	20-25 ft lbs
Rear axle nut .....	100 ft lbs
Rod Bearings .....	35 ft lbs
Spark plugs .....	25 ft lbs
Timing Cover .....	25 ft lbs
Torque tube to Differential .....	35 ft lbs
Valve Cover .....	20 ft lbs
Water Inlet .....	40 ft lbs
Wheel lug nuts .....	64 ft lbs

## Clearances

Camshaft bearing .....	.001 - .003
Connecting rod to crankshaft .....	.001 - .00336
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 for rods
Crankshaft end play .....	.004
Flywheel depth.....	1.123 distance from 12 hole surface to refinish surface
Piston to cylinder wall .....	.002
Piston ring gap - Lower ring .....	.008 - .010
Piston Ring Gap – Center ring .....	.010 - .012
Piston Ring Gap – Upper ring .....	.012 - .015
Main Bearing Clearance .....	.001 - .0015
Timing gear backlash .....	.004
Valves in valve guides .....	.001 - .015
Valve to tappet .....	.010 - .012 for all valves