

Valve Springs - Continued

Test load

Intake - pounds	23
Exhaust w/o rotocap - pounds	23
Exhaust w/rotocap - pounds	14 - 16

Valve Tappets

Diameter - inch	.591 - .592
Length - inches	2.370 - 2.380
Clearance in crankcase - inch	.0007 - .0032
Valve lash (engine cold) - inch	.015

Valve Timing

Intake opens - degrees	10 before TDC
Intake closes - degrees	45 after BDC
Exhaust opens - degrees	45 before BDC
Exhaust closes - degrees	5 after TDC

Cylinder Head

Bolt diameter - inch	3/8
Torque - ft. lbs.	45

Timing Gears

Crankshaft pinion	18 teeth
Camshaft gear	36 teeth
Idler gear	36 teeth
Governor-ignition gear	18 teeth
Type of teeth	Helical
Backlash - inch	.003 - .006
Idler shaft retainer bolt tension - ft. lbs.	90

Lubrication System

Oil pressure at 1800 rpm - psi	30 - 35
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Oil pump

Type	Gear
Drive	Direct from camshaft
Gear backlash - inch	.003 - .006
Number of teeth	
Idler gear	13
Drive gear	13