

Engine Specifications	
Model	GX100
Type	4-stroke, OHC, single cylinder
Displacement	98 cm ³ (6.0 cu-in)
Max. Horsepower	3.0 PS (2.2 kW) at 3,600 rpm
Max. Torque (Crank PTO)	5.7 N·m (0.59 kg·m, 4.2 ft·lb) at 3,600 rpm
Carburetor	Horizontal type, butterfly valve
Cooling System	Forced-air
Ignition System	Transistorized magneto ignition
Lubricating System	Splash
Starting System	Recoil starter
Stopping System	Ignition primary circuit ground
Fuel Used	Unleaded gasoline (octane number 86 or higher)
Fuel Tank Capacity	1.2 L (0.32 US Gal, 0.26 Imp Gal.)
Fuel Consumption	240 g/PS
PTO Shaft Rotation	Counterclockwise (from PTO shaft side)

Cylinder Block and Head	
Compression Ratio	8.5:1

Bore x Stroke	56 X 40 mm (2.2 x 1.6 in)
Sleeve Internal Diameter	56.00 mm (2.2047 in)
Piston Skirt Outer Diameter	55.965-55.985 mm (2.2033-2.2041 in)
Number of Piston Rings (Compression / Oil)	2 / 1
Ring Side Clearance	Top 0.015-0.050 mm (0.0006-0.0020 in), Second/Oil 0.015-0.050 mm (0.0006-0.0020 in)
Ring End Gap	Top 0.15-0.30 mm (0.006-0.012 in), Second 0.30-0.45 mm (0.012-0.018 in)
Connecting Rod Small End ID	13.005-13.020 mm (0.5120-0.5126 in)
Crankshaft Crank Pin Outer Diameter	23.970-23.980 mm (0.9437-0.9441 in)

Cylinder Head	
Warpage (Limit)	0.10 mm (0.004 in)
Valve Arrangement	OHC
Valves	2
Stem Outer Diameter (Standard)	INTAKE 3.970-3.985 mm (0.1563-0.1569 in), EXHAUST 3.935-3.950 mm (0.1549-0.1555 in)
Cam Height	INTAKE/EXHAUST 36.483 mm (1.4363 in)
Valve Spring Free Length	25.8 mm (1.02 in)

Tightening Torque Specs	
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Connecting Rod Bolt	5 Nm; 0.5 kg·m; 3.6 ft·lb
Oil Drain Plug Bolt	18 Nm; 1.8 kg·m; 13 ft·lb
Valve Adjusting Lock Nut	7.5 Nm; 0.75 kg·m; 5.4 ft·lb
Flywheel Nut	42 Nm; 4.3 kg·m; 31 ft·lb
Governor Arm Nut	10 Nm; 1.0 kg·m; 7 ft·lb
Stopper Plate Screw	1 Nm; 0.1 kg·m; 0.7 ft·lb
Spark Plug	11.8 Nm; 1.2 kg·m; 8.7 ft·lb

Service Information	
Maximum Speed	4000 ± 200 rpm
Idle Speed	1550 ± 150 rpm
Cylinder Compression	5.0 kg/cm ² (71 psi) at 700 rpm
Valve Clearance	Intake 0.15 ± 0.04 mm (0.006 ± 0.002 in), Exhaust 0.20 ± 0.04 mm (0.008 ± 0.002 in)

Oil System	
Oil Type	Honda 4-stroke or an equivalent (SE or SF)
Recommended Oil	SAE 10W-30
Oil Capacity	0.4 L (0.42 US. qt, 0.35 Imp. qt.)

Carburetor	

Main Jet	#60
Pilot Jet	#35
Float Height	12 mm (0.47 in)
Pilot Screw Opening	2-3/8 turns out

Ignition System	
Spark Plug	NGK: CR5HSB, DENSO: U16FSR-UB
Spark Plug Gap	0.7-0.8 mm (0.028-0.031 in)