

SPECIFICATIONS

GENERAL

Battery	12 Volt SAE Group 3.S.M.
Tires	5:00 x 8:00 4 ply
Tire pressure	Front 25 lb. per sq. in. Rear 30 lb. per sq. in.
Rear wheel tread	4 1/4 in.
Turning circle diameter	15 ft.
Ground clearance	5 1/2 in.
Wheel base	72 in.
Overall length	104 in.
Overall width	57 1/4 in.
Overall height	70 in.

ENGINE

Bore	3.500
Stroke	2.250
Piston displacement	43.16
Compression ratio	6.85:1
Cylinder compression	110 lb.
Brake horsepower	18
Maximum torque at 2500 RPM	32 ft. lb.
Governor	Flyweight type
Engine rotation (viewed from flywheel)	Clockwise
Air cleaner	Polyurethane element

Spark plug.....	A.C. 86TS or equivalent
Spark plug gap .....	.025
Breaker point gap .....	.020
Ignition	7° B.T.D.C.
Valve tappet clearance .....	.005 cold
Carburetor high speed adjustment	2 1/4 turns open
Carburetor idle speed adjustment	1 to 2 turns open (approximate)
Oil filter	Full flow (disposable)
Valve spring tension	65 lb. closed valve, 90 lb. open valve
Valve seat angle	45°
Valve stem diameter .....	.310 - .311
Wrist pin .....	.8250 - .8752
Ring width .....	.145 - .155
Ring gap .....	.010 - .020
Camshaft journal .....	.9675 - .9680
Crankshaft journal (main).....	1.9985 - 1.9990
Crankshaft journal (rod)	1.7485 - 1.7490
Intake valve opens	4° - B.T.D.C.
Intake valve closes	39° - A.B.D.C.
Exhaust valve opens	4° - B.B.D.C.
Exhaust valve closes	39° - A.T.D.C.
Cam gear backlash .....	.002 - .004
Camshaft journal clearance .....	.002 - .0025
Piston clearance .....	.002

RECOMMENDED TORQUE FOR ENGINE SCREWS AND NUTS

SCREW SIZE

TORQUE-FOOT-POUNDS

1/4 - 20 & 1/4 - 28	6 - 8
5/16 - 18 & 5/16 - 24 - except connecting rod nuts and valve cover nuts	14 - 16
3/8 - 16 & 3/8 - 24	22 - 25

SCREW SIZE

TORQUE-FOOT-POUNDS

7/8 - 14 (Flywheel nut)	60 - 75
Spark Plug (18 m.m.)	22 - 25
Connecting Rod nuts	18 - 20
5/16 - 24 Valve Cover Nuts	5 - 7