

SPECIFICATIONS

Models J4WCS Weedless gearcase, standard length
J4RLCS standard gearcase, long shaft

POWERHEAD

*Horsepower (B.I.A. - certified) 4 hp (2.8 kW) at 4500 rpm

Full throttle operating range 4000 to 5000 rpm

Test tank rpm with test wheel 3800 rpm
Part No. 316021 for Weedless
4550 rpm
Part No. 317738 for Standard

Idle rpm 600 rpm

Engine type 2-cylinder, 2 stroke cycle alternate firing

Bore and stroke 1-9/16" (39.69 mm) bore x 1-3/8" (34.93 mm) stroke

Piston displacement 5.28 cubic inches (87 cm³)

Piston ring sets (2 per set)
standard Part Number 383920
0.030" Part Number 384312
oversize

Width of ring 0.0625-0.0615 in. (1.588 - 1.562 mm)

Piston assembly standard Part Number 388726
0.030" oversize Part Number 388728

Crankshaft size top journal 0.751 - 0.7505 in. (19.075 - 19.063 mm)
center journal 0.6690 - 0.6685 in. (16.993 - 16.980 mm)
bottom journal 0.7502 - 0.7498 in. (19.055 - 19.045 mm)

Crank pin size 0.6700 - 0.6695 (17.018 - 17.005 mm)

FUEL SYSTEM

Carburetion Single barrel float feed, with fixed high and adjustable low-speed jet, manual choke

Float level setting Between steps on gage 324891

Inlet needle seat 0.063 - 0.060 (1.60 - 1.52 mm)
Use a 1/16 drill as gage.

Fuel tank capacity 1.35 quarts (1,28 litres)

LOWER UNIT

Cooling system Combination positive displacement and centrifugal pump.

Propeller gear ratio 17:28 Weedless
12:25 Standard

Propeller drive pin Part Number 316558

Propeller Standard - 7-1/2" dia x 7" pitch, 3 blade plastic
Weedless - 6-1/4" dia x 6" pitch, 2 blades plastic

MISCELLANEOUS

Speed control Single lever, synchronized throttle and spark

Weight Weedless - 38.0 lbs. (17.2 kg)
Standard - 39.0 lbs. (18.3 kg)

Starter Automatic rewind - nylon rope

IGNITION SYSTEM

Ignition Flywheel magneto, breakerless C.D.

Spark plug AC-M40FFX Champion L77J4, - 14 mm

Spark plug gap .040 inch (1.0 mm)

Spark plug torque 17-1/2 - 20-1/2 foot-pounds (24 - 27 N·m)

Ignition Coil Part No. 581998

IGNITION COIL TEST SPECIFICATIONS

Stevens Model ST-75

Reverse Polarity (Switch Setting CD) 1.2

Stevens Tester Model M.A.-75 or M.A.-80

Switch **A	Index Adjustment 20
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Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980

Operating Amperage	Primary Resistance	**Secondary Continuity
1.4	0.1 Ohm OR LESS	275 ± 10

**Use Model CD-1 Adapter Red test clip to orange/black
Black test clip to orange

Graham Tester Model 51
Maximum Secondary 1,000 ohms
Maximum Primary 0.5 ohm
Coil Index 50
Coil Test Minimum AMPLIFIED 17 (With secondary circuit "open.")
Hi tension lead disconnected

Gap Index 50 (Coil must fire spark gap on tester at this setting.)

IGNITION COIL OHMMETER TEST

Primary (Low Ohms)	Secondary (High Ohms)
0.1 ± 0.05	275 ± 50