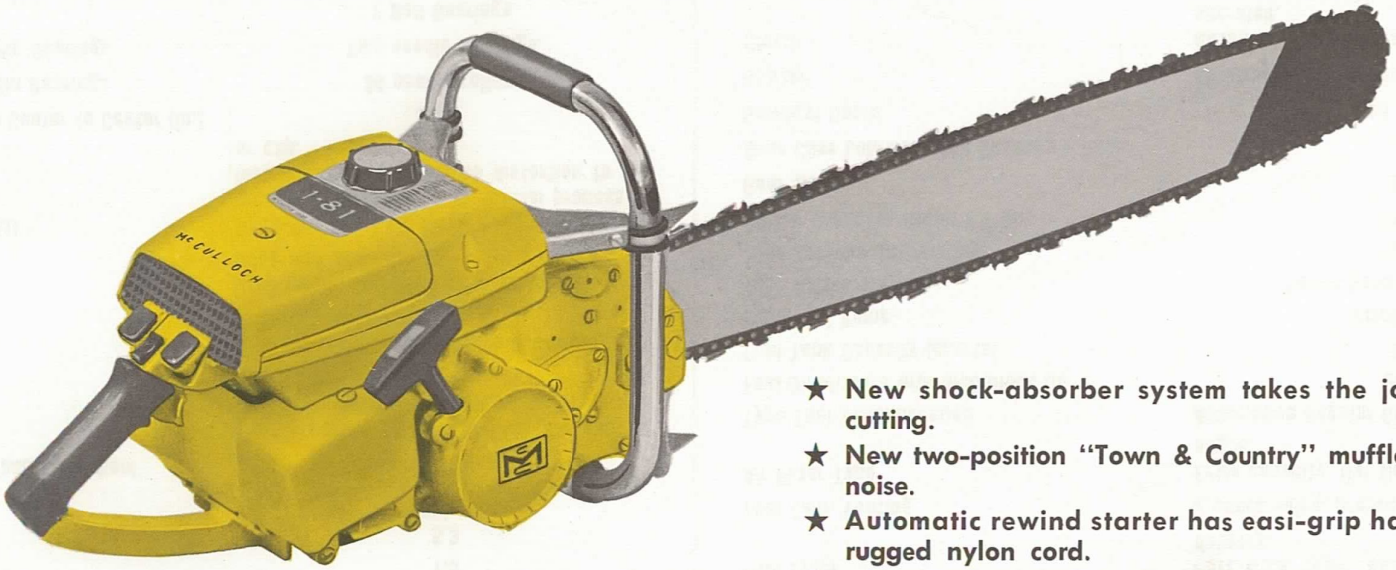
It's Easier With a New

McCULLOCH ONE/81



NUMBER ONE *In World Sales*

- ★ New shock-absorber system takes the jolt out of cutting.
- ★ New two-position "Town & Country" muffler reduces noise.
- ★ Automatic rewind starter has easi-grip handle and rugged nylon cord.
- ★ Gives you more lugging power than any other saw its size.
- ★ Starts fast. The McCulloch One/81 delivers full power right now! Points and coil are weather proofed to assure fast starting all year long.
- ★ Designed for professional heavy-duty cutting.
- ★ Dependability proved by Torture-Testing.
- ★ Takes bars up to 42", 15" Plunge Bow, 24" Paddle Bow.
- ★ Deep-breathing diaphragm carburetor allows all position cutting, at full power.
- ★ Equipped with long-lasting Super Pintail® Chain.

See Your McCulloch Dealer For a One/81 Demonstration

BULLETIN ADV-706-5/60

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"SPECIFICATIONS – MODEL ONE/51"

Weight of unit less Bar & Chain (lbs., dry)	19
Dimension (overall outside frame measurement)	Height 11″ Length 17″ Width 13″
Bar lengths (inches)	12″, 15″, 18″, 24″, 30″, & 24″ Paddle Bow.
Type Saw Chain	McCulloch Super Pintail®.
Type of Engine	Single cylinder, two cycle air-cooled, crankcase scavenged.
Type of Cylinder	Die cast aluminum alloy with precision honed CAST IRON LINER. (oversize pistons available)
Bore (inches)	2.125
Stroke (inches)	1.375
Displacement (cu. in.)	4.9
Compression Ratio	6:1
Direction of Rotation Facing Flywheel	Counter Clockwise.
Flywheel	High pressure aluminum alloy die casting with integral magneto magnets, steel hub and reinforcing plate.
Crankcase Material	High pressure die casting of aluminum, cast integrally with cylinder.
Crankshaft Material	Drop forged SAE 8620 steel, carburized, hardened and ground.
Connecting Rod Material	Drop forged SAE 8620 steel, hardened, ground, manufactured by special process to insure perfect fit with no distortion to rod or cap.
Connecting Rod Length Center to Center (in.)	2.51
Connecting Rod Crankpin Bearings	24 needle rollers.
Connecting Rod Wrist Pin Bearings	Two needle bearings.
Main Bearings	Ball and needle.
Piston	Permanent Mold Aluminum.
Number and Type Piston Rings	2 narrow compression rings assuring quick sealing, low friction and long life.
Ignition	Specially designed McCulloch water-proof high tension magneto.
Coil Location	Outside flywheel. (Fan cooled)
Coil to Flywheel Clearance (inches)	.008—.012
Ignition Timing Procedure	Set point gap with .019 wire.
Ignition Timing B.T.C.	26° Static.
Location of Breaker Points and Condenser	Under Flywheel.
Breaker Point Gap (inches)	.017—.019
Spark Plug Type	Champion J-8-J.
Spark Plug Gap (inches)	.025
Throttle Type	Butterfly.
Carburetor Type	Special diaphragm type enabling engine to operate efficiently in all cutting positions. Fully enclosed in filtered air chamber.
Fuel Filter	Felt in pick-up line, insures clean, waterfree fuel delivery.
Fuel Tank Venting	Solid cap: Self-venting system.
Air Filter Type	Extra capacity, flat flock screen with rubber edge.
Type Fuel Recommended	Automotive Regular Grade.
Fuel-Oil Mixture with McCulloch Oil	20.1
Fuel Tank Capacity (quarts)	1.4
Type Fuel Pump	Diaphragm
Type Intake Valve	Tuned reed.
Type Cylinder Scavenging	Loop.
Clutch Engaging Speed R.P.M.	2,600
Gear Ratio	1:1 Direct Drive.
Gear Case Lubricant and Capacity	None.
Sawdust Guard	Fixed Screen.
Starter	Automatic rewind with nylon rope.
Clutch	Automatic four-metal shoe, centrifugally operated.
Chain Oiler	Manual.
Chain Oiler Reservoir Capacity (qts.)	.35
Muffler	Quiet type, spark arrestor.
Handle Frame	Full wrap around.

THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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