

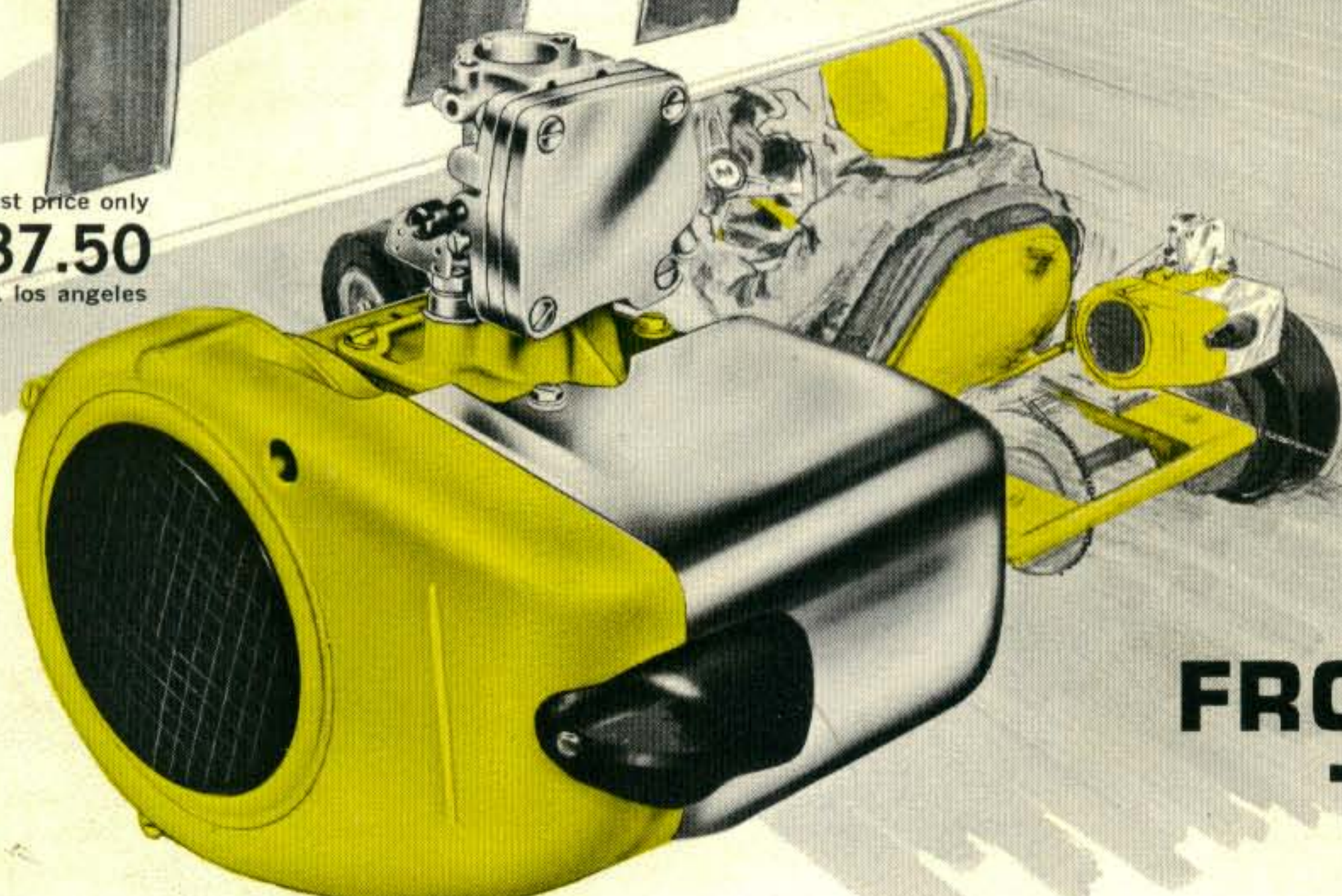


McCULLOCH

## KARTS and PARTS

Sales and Service on  
McCULLOCH POWER PRODUCTS  
CLINTON AND LADSON ENGINES

list price only  
**\$137.50**  
f.o.b. los angeles



# FROM START TO FINISH

## ...NEW McCULLOCH MC-20 sets the pace!

Now from the home of kart engine champions comes the All New McCulloch MC-20, the most powerful kart engine per cubic inch in America. With the most pluses

**WALLACE AUTO ELECTRIC**  
3043 West 111th St. BEv. 3-9360  
Chicago 55, Ill.

yet in a kart engine, the MC-20 promises to set even more records and add to the already impressive list of victories won by the world famous McCulloch MC-5, MC-6 and MC-10 engines!

Completely new with these unbeatable features the **MC-20** is an engine you'll never forget once you see it in action!

- ★ New die-cast, deep finned aluminum alloy cylinder with thicker walls and added fin for quick heat relief.
- ★ New "optimum timing" ignition with high pressure magneto flywheel and McCulloch moisture-proof coil assures faster, easier starting.
- ★ The combination of multi-speed, full-bore carburetion coupled to a new powerhead design provides increased power at low rpm's letting you pull out of corners faster.
- ★ The MC-20 runs cooler too, thanks to controlled air-turbulence created by the scientifically designed engine shroud.
- ★ Check these specifications and compare! - You know **you've got power!**

Displacement	5.8 cu. in. or 95 c.c.
RPM	12-15,000
Bore	2.125
Compression Ratio	7.3:1
Stroke	1.635
Weight	10 Lbs.

Add the **new MC-20** to one of the sensational **new McCulloch R-1** racing karts and you've got the finest karting combination money can buy. See the New MC-20, the revolutionary new McCulloch karts and a complete line of accessories at your nearby McCulloch dealer.

Fully chrome-plated engine shroud and polished carburetors as standard equipment add to the appearance of the already handsome MC-20!



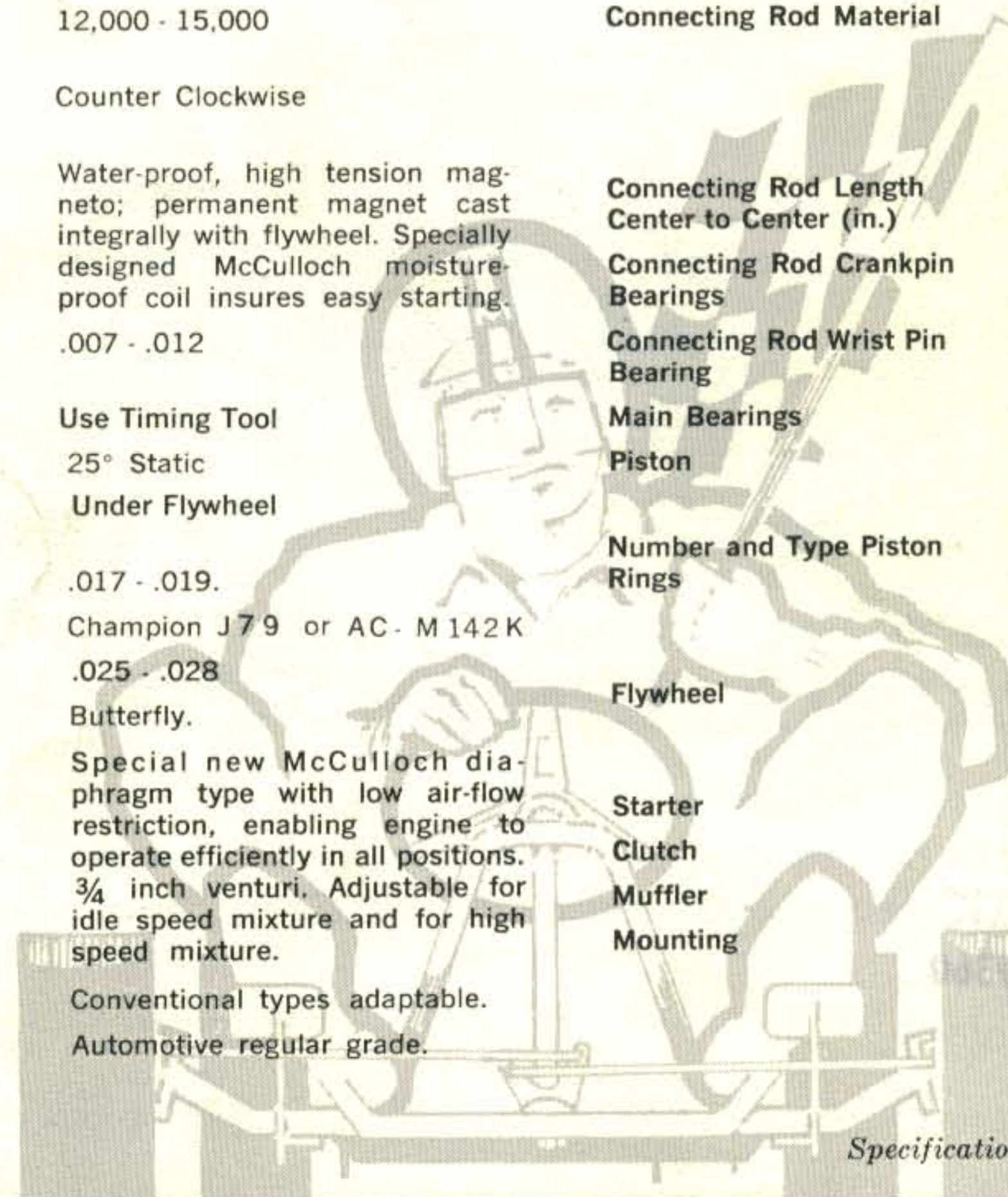
**Go with the Winner . . . Go with McCulloch!**



# McCULLOCH MC-20

## KART ENGINE SPECIFICATIONS

Weight of Unit	10 lbs.	Fuel-Oil Mixture with McCulloch Oil	20:1.
Type of Engine	Single cylinder, two stroke air-cooled, crankcase scavenged.	Fuel Tank	Conventional types adaptable.
Type of Cylinder	Die cast, deep finned aluminum alloy w/precision honed cast iron liner and detachable head. Over-size pistons available.	Type Fuel Supply	Pulse pump.
Bore	2.125	Type Crankcase Valve	Reed and 3rd Port.
Stroke	1.635	Type Cylinder Scavenging	Loop.
Displacement	5.8 cu. in. or 95 c.c.	Crankcase Material	High pressure die casting of aluminum alloy for high strength to weight ratio.
Compression Ratio to 1	7.3:1	Crankshaft Material	Drop forged, SAE 8620 steel carburized, hardened and ground.
Maximum Free R.P.M. (Approximate)	12,000 - 15,000	Connecting Rod Material	Drop forged, SAE 4615 steel, hardened, ground, and broken by special process to insure perfect fit with no distortion to rod or cap. New light-weight design.
Direction of Rotation (Facing Flywheel)	Counter Clockwise	Connecting Rod Length Center to Center (in.)	2.510
Type Ignition	Water-proof, high tension magneto; permanent magnet cast integrally with flywheel. Specially designed McCulloch moisture-proof coil insures easy starting.	Connecting Rod Crankpin Bearings	24 Loose Needle Rollers.
Coil to Flywheel Clearance (inches)	.007 - .012	Connecting Rod Wrist Pin Bearing	Needle Bearings
Ignition Timing Procedure	Use Timing Tool	Main Bearings	Ball Bearings each end
Ignition Timing B.T.C.	25° Static	Piston	Aluminum Permanent Mold 2 oversize pistons available.
Location of Breaker Points and Condenser	Under Flywheel	Number and Type Piston Rings	2 narrow, thin-racing, chrome-plated steel compression assure quick sealing, low friction and long life.
Breaker Point Gap (inches)	.017 - .019.	Flywheel	High Pressure aluminum alloy die casting with integral magneto magnets and with steel hub.
Spark Plug Type	Champion J79 or AC-M142K	Starter	Conventional types adaptable.
Spark Plug Gap (inches)	.025 - .028	Clutch	Automatic centrifugal adaptable.
Throttle Type	Butterfly.	Muffler	Straight Stack.
Carburetor Type	Special new McCulloch diaphragm type with low air-flow restriction, enabling engine to operate efficiently in all positions. 3/4 inch venturi. Adjustable for idle speed mixture and for high speed mixture.	Mounting	Use the four bolt holes on the bottom of the crankcase for mounting engine. Engine will operate in any position.
Air Filter Type	Conventional types adaptable.		
Type Fuel Recommended	Automotive regular grade.		



Specifications subject to change without notice.

## KART ENGINE DIMENSIONS

