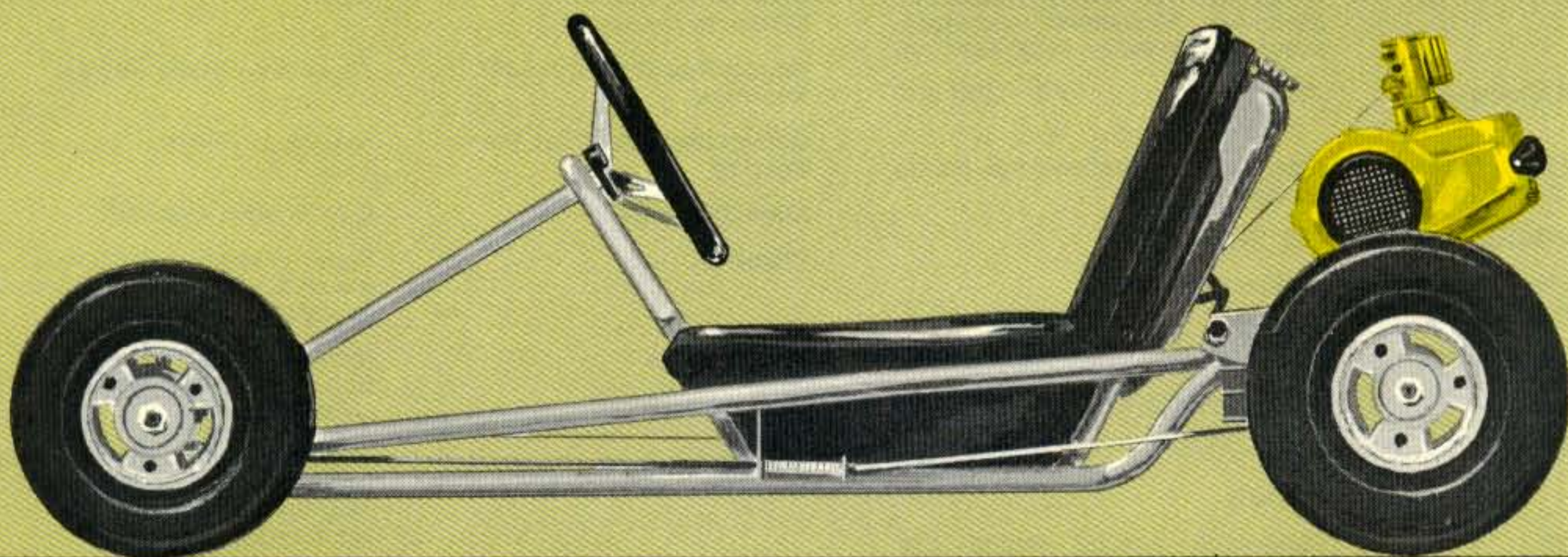


# MEET THE TRACK MASTER

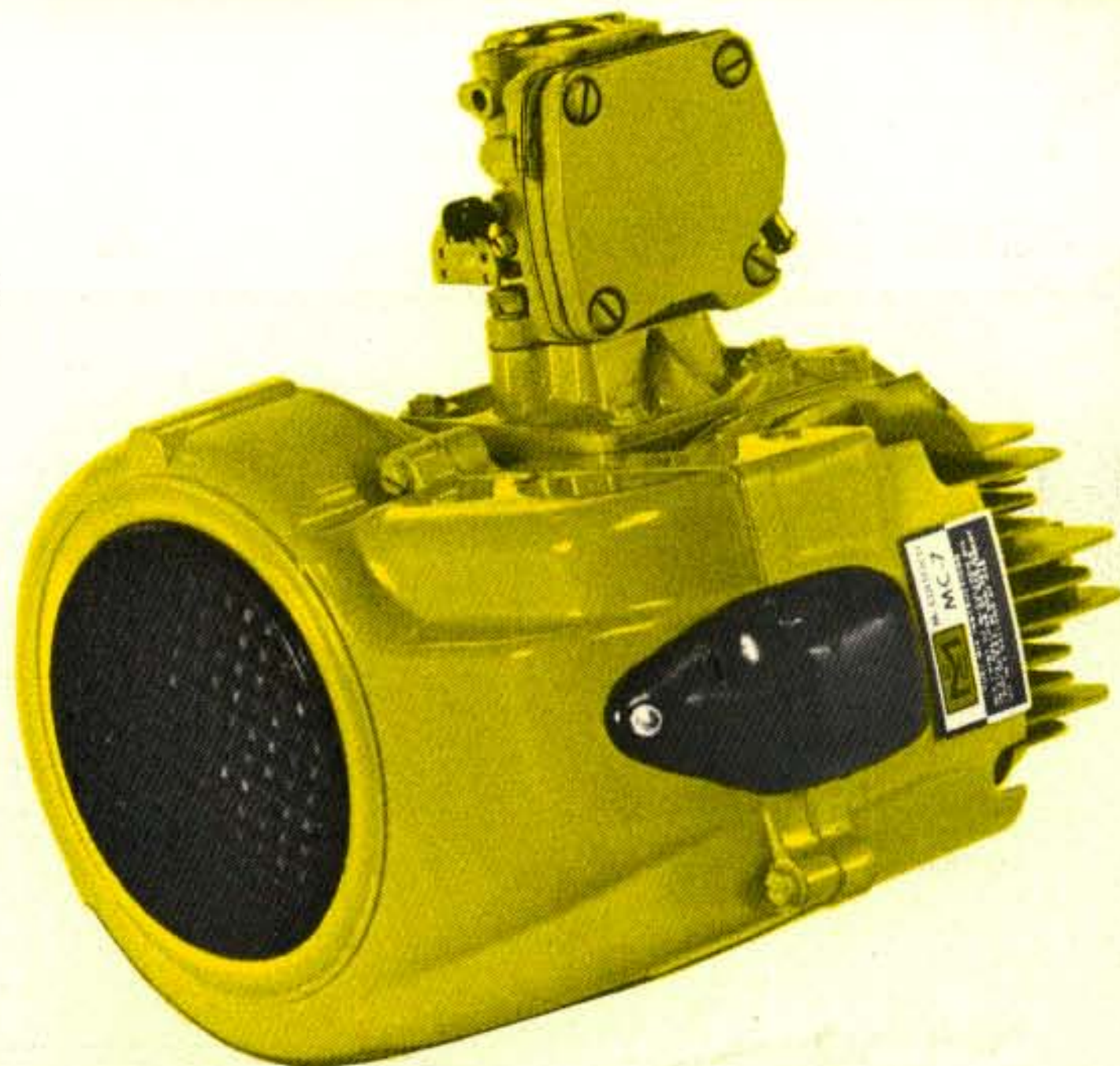


... NEW McCULLOCH **MC7**

No doubt about it . . . the all new McCulloch MC-7 has everything it takes to make you a steady winner. You won't need the "extras" . . . they're already built-in! Including the famous MC-20 carburetor; stroked crank; extra-light racing rod and piston; chromed rings; new high-opening phenolic reeds; increased manifold opening, twice that of the powerful MC-6; and many more formidable features that you've learned to expect in McCulloch championship engines.

6.05 cu. in. displacement / 2.165 in. bore  
1.635 in. stroke / 8.5:1 compression ratio  
detachable head / reborable cylinder  
weighs 10 lbs.

suggested list price **\$99<sup>50</sup>** f.o.b. los angeles



**McCULLOCH** the home of the champions!



# MC7 SPECIFICATIONS

<b>Weight of Unit</b>	10 lbs.	4,54 kg	<b>Fuel/Oil Mixture with McCulloch Oil</b>	20:1
<b>Type of Engine</b>	Single cylinder, two stroke air-cooled, crankcase scavenged.		<b>Fuel Tank</b>	Conventional types adaptable.
<b>Type of Cylinder</b>	Die cast, deep finned aluminum alloy w/precision honed cast iron liner and detachable head. Over-size piston available.		<b>Type Fuel Supply</b>	Pulse pump.
<b>Bore</b>	2.165	53,98 mm	<b>Type Crankcase Valve</b>	Reed and 3rd Port.
<b>Stroke</b>	1.635	41,53 mm	<b>Type Cylinder Scavenging</b>	Loop
<b>Displacement</b>	6.05 cu. in.	99,1 cm <sup>3</sup>	<b>Crankcase Material</b>	High pressure die casting of aluminum alloy for high strength to weight ratio.
<b>Compression Ratio to 1</b>	8.5		<b>Crankshaft Material</b>	Drop forged steel, carburized, hardened and precision ground.
<b>Direction of Rotation (Facing Flywheel)</b>	Counter Clockwise.		<b>Connecting Rod Material</b>	Drop forged steel, hardened, ground and broken by special process to insure perfect fit with no distortion to rod or cap.
<b>Type Ignition</b>	Water-proof, high tension magneto; permanent magnet cast integrally with flywheel. Specially designed McCulloch moisture-proof coil insures easy starting.		<b>Connecting Rod Length Center to Center (in.)</b>	2.51                      63,75 mm
<b>Coil to Flywheel Clearance (inches)</b>	.007 - .012	,178 - ,305 mm	<b>Connecting Rod Crankpin Bearings</b>	24 Loose Needle Rollers.
<b>Ignition Timing Procedure</b>	Insert pin in flywheel; set points to kiss.		<b>Connecting Rod Wrist Pin Bearing</b>	Needle Bearings.
<b>Ignition Timing B.T.C.</b>	25° Static.		<b>Main Bearings</b>	One Needle; One Ball.
<b>Location of Breaker Points and Condenser</b>	Behind flywheel.		<b>Piston</b>	Taper-ground, aluminum, permanent mold (available in .010" oversize dimension).
<b>Breaker Point Gap (inches)</b>	.017 - .019	,43 - ,48 mm	<b>Piston Rings</b>	Narrow, quick sealing, low friction and long life. Rings are chrome plated.
<b>Spark Plug Type</b>	Champion J79 or AC M142K		<b>Flywheel</b>	High pressure aluminum alloy die casting with integral magneto magnets and with steel hub and reinforcing plate.
<b>Spark Plug Gap (inches)</b>	.022 - .025	,56 - ,64 mm	<b>Starter</b>	Conventional types adaptable.
<b>Throttle Type</b>	Butterfly.		<b>Clutch</b>	Automatic centrifugal adaptable.
<b>Carburetor Type</b>	McCulloch special racing diaphragm type with low air-flow restriction, enabling engine to operate efficiently in all positions. Adjustable for idle speed mixture and for high speed mixture.		<b>Muffler</b>	Straight stack.
<b>Air Filter Type</b>	Conventional types adaptable.		<b>Mounting</b>	Use the four bolt holes on the bottom of the crankcase for mounting engine. Engine will operate in any position..
<b>Type Fuel Recommended</b>	Automotive regular grade.			

Specifications subject to change without notice.

McCULLOCH CORPORATION 6101 West Century Blvd. Los Angeles 45, California

## ENGINE DIMENSIONS

