

1963

HOMELITE

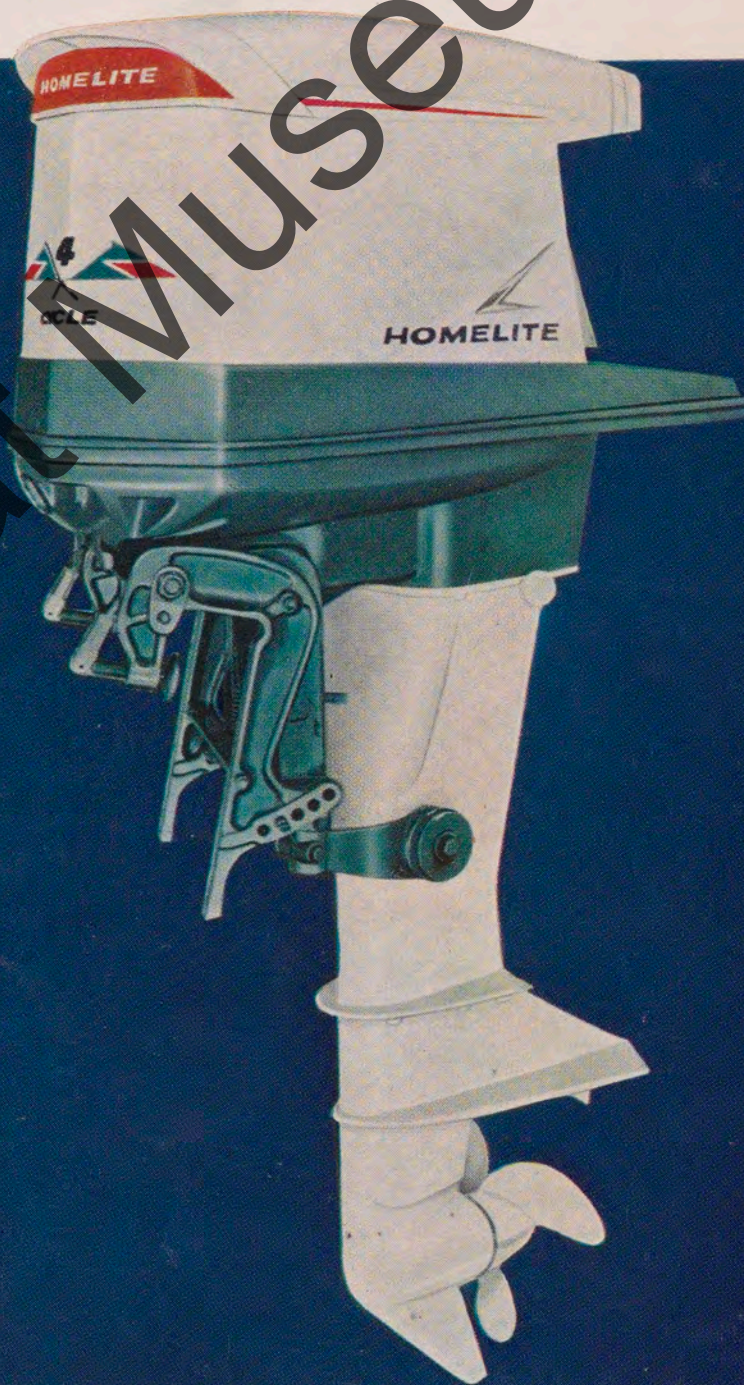
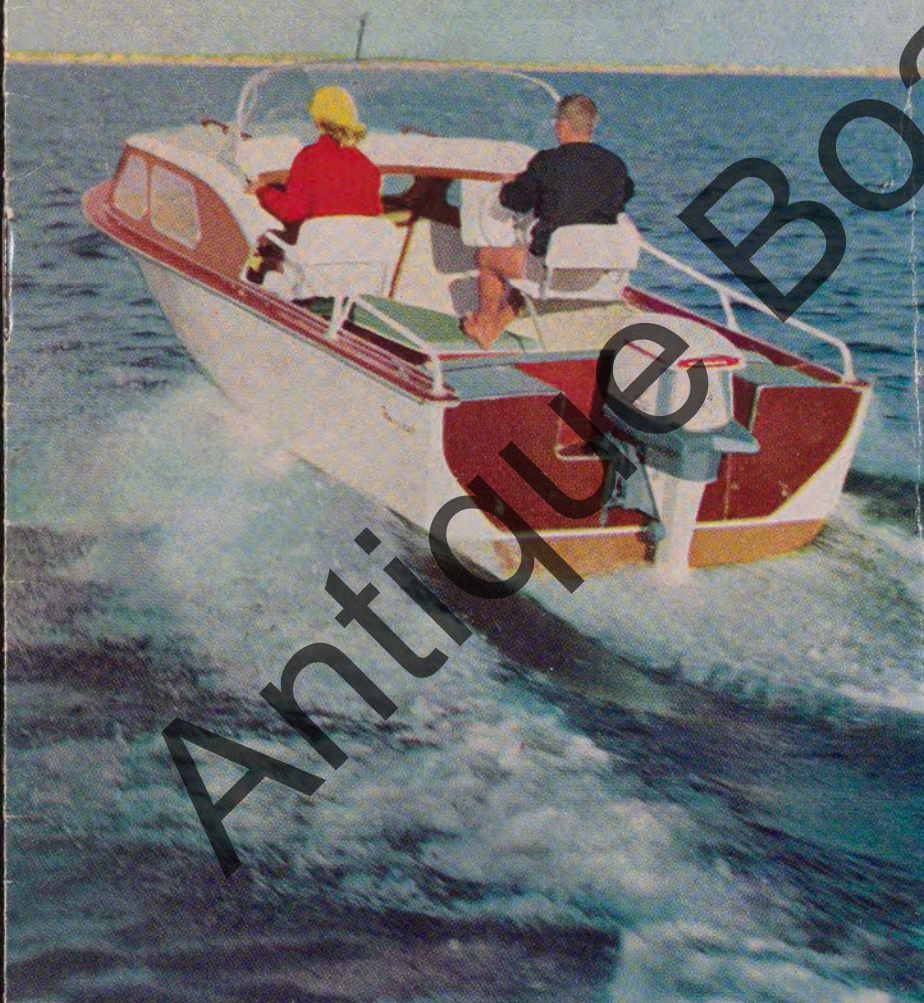
4-Cycle-55 hp Outboard

COURT COLVER

Long Hill Rd. - - - Route 1

Tel. Hilltop 5-2401 Groton, Conn.

AUTHORIZED DEALER





Go Faster...Go Further...Go For Less

Homelite 4-Cycle-55 Cuts Gas and Oil Cost in Half

Family cruiser . . . family fun . . . and a powerful Homelite 4-Cycle-55. It's an unbeatable combination!

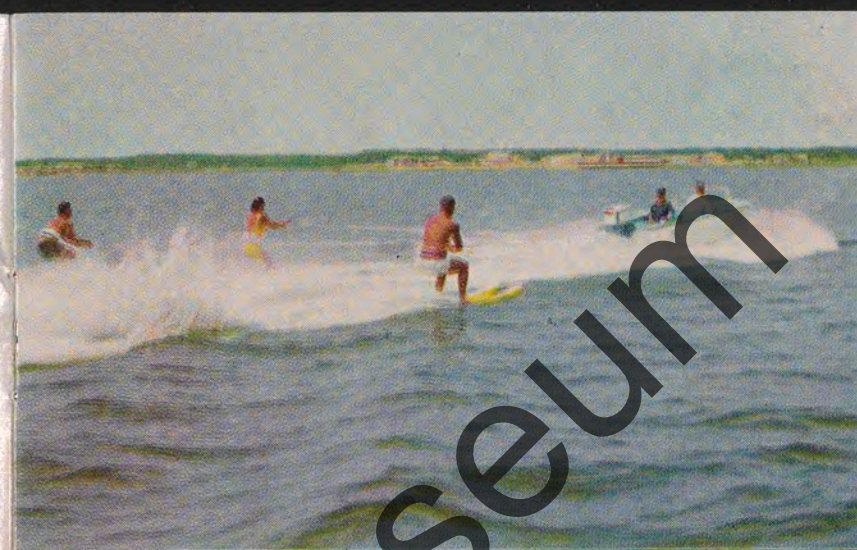
Now you can set your course for new waters, out-of-the-way harbors, and more just plain fun, secure in the new-found freedom of 4-cycle outboarding.

Go further. Forget about frequent fuel stops, extra tanks, budget smashing expense. With the Homelite 4-Cycle-55 you'll get twice as many miles on every dollar's worth of fuel. Fill your boat with fun . . . not gasoline.

Go faster. It's full speed ahead with a Homelite. Get way out to your special fishing grounds, hidden cove, "private" island in a hurry. The Homelite 4-Cycle-55 takes you out and brings you back, quickly and reliably . . . cuts gas and oil cost in half at any speed.

Go for less. The Homelite's automotive-type engine uses clean burning gasoline only. There's no messy mixing of gas and oil. No need for expensive pre-mix fuels. And, it thrives on any gas — marine or automotive, regular or premium.

The Homelite 4-Cycle-55 has opened up a whole new world of outboarding. Some hints of what it's like are on the pages that follow.



Have All The Fun . . .

From a skin diver's point of view, the Homelite is a real beauty! Because it doesn't burn a gas-oil mix, there is no need to worry about plug fouling. It takes you where you're going, brings you back and never complains about it.

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Water skiing is exciting sport but water skiers get excited about the Homelite's load pulling ability. Hi-torque power head combined with a rugged 28:15 gear ratio delivers greater torque than most outboards with more horsepower.

* * *

Speed? With a Homelite on the transom you have thrill-power to spare! Jet-fast take-off puts even big boats up on plane in a hurry. Big 55-hp keeps them there . . . users often report speeds of 30-40 miles an hour depending on boat and load.

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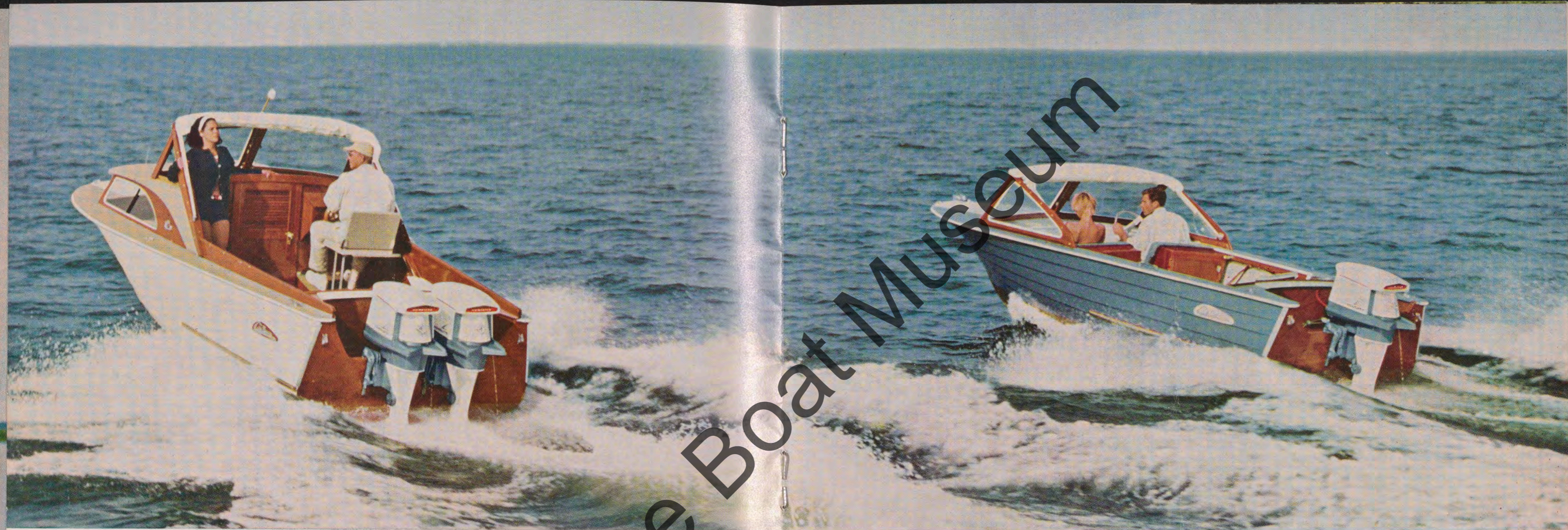
Take one remote beach, add a Homelite powered rig, mix well with people . . . and you're in for a wonderful time. The reliable Homelite starts on cue, runs smoothly and, best of all, doesn't require a boatload of extra tanks.

* * *

Without The Fuss. The Homelite 4-cycle-55 burns gasoline, not a mixture of gas and oil. No mixing, measuring, shaking to get the right amount of oil distributed through the gas. No searching for special fuels. No mess.

At Half The Cost. Oil is expensive. With a Homelite, it recirculates in a high pressure lubrication system, does not go up in smoke. Gasoline is expensive, too. With a Homelite you can use any kind of gas, even less expensive grades, without affecting engine performance.

Add up these considerable advantages. They mean more fun for less money.



**Here are some facts:
THE 4-CYCLE ENGINE . . .**

. . . operates on a quieting cushion of lubricating oil. Most 2-cycle engines run on oil diluted 25-1 with gasoline. . . fires only half as often as a 2-cycle. Thus the 4-Cycle engine causes only half as many noise pulses. . . greatly reduces noise because exhaust pressure is about half that of a 2-cycle when the exhaust valve opens. . . further reduces exhaust noise because it uses much more of the fuel energy to do useful work.

. . . gives you full underwater exhaust in all operating conditions where many 2-cycle outboards do not have underwater exhaust at idling speeds.

. . . is as reliable as a modern automobile. It runs cooler thus preventing damage to engine parts. This greatly increases spark plug life and eliminates piston burning, a problem in larger 2-cycle outboards.

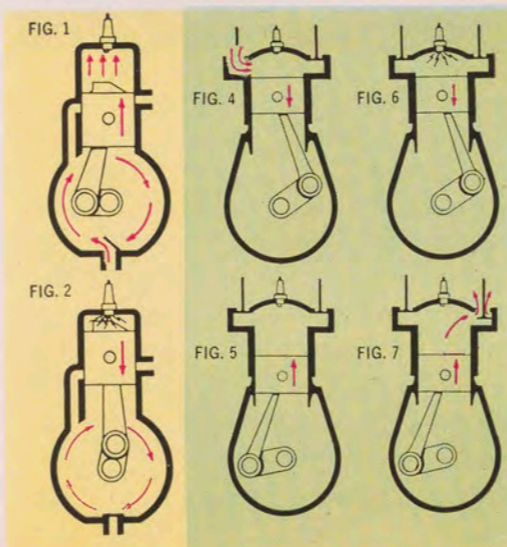
The 2-cycle engine accumulates carbon residue, unburned oil and other contaminants in the combustion chamber. This causes uncontrolled

combustion which results in loss of power, greater fuel consumption and piston burning. This burning is intensified by the hotter spark plug temperatures required to burn the gas-oil mixture used in 2-cycle operation.

2-CYCLE OPERATION

Figure 1. Intake and Compression Stroke. A mixture of gasoline and oil is drawn into the crankcase.

Figure 2. Power and Exhaust Stroke. The piston compresses the charge in the combustion chamber where it is ignited, driving the piston down on the



power stroke. Exhaust port opens early to permit entry of next charge thereby wasting power and fuel.

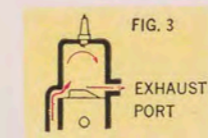


Figure 3. The fresh charge is used to push out the burned gases during exhaust process. Partially burned oil clogs exhaust passages, coats the combustion chamber and spark plugs and creates the blue smoke so irritating to 2-cycle outboard users.

4-CYCLE OPERATION

Figure 4. Intake Stroke. Fresh, cool air

and gasoline are drawn into cylinder.

Figure 5. Compression Stroke. Gas-air mixture is compressed by piston.

Figure 6. Power Stroke. Spark plug fires charge. Expanding gases drive piston down. Gasoline alone burns cleaner and more completely, more power is delivered to the crankshaft.

Figure 7. Exhaust Stroke. Burnt gases are forced from cylinder. The gasoline has been burned so thoroughly that there is no smoke in the exhaust and virtually no carbon residue remains.



Let's go fishing! Ocean, lake or river . . . fishing is more fun with a Homelite 4-Cycle-55. Trolls all day without a skip or a miss. No smoke or fumes to drift back into the boat either. If you're going far, run wide open all the way out . . . fish all day . . . run wide open all the way back. Your Homelite will go twice as far on every dollar's worth of fuel at any speed.



Sometimes you find friends in the strangest places. And in a case like this it's nice to be at the helm of a Homelite powered rig. Smooth, positive steering and gear shift control lets you negotiate tricky approaches with ease and confidence. Virtually silent at idling speeds, you can take or give directions, hold a conversation without shouting.



Picnic on a far-off beach . . . all-day cruise . . . the Homelite 4-Cycle-55 opens up new worlds of fun and adventure many miles beyond your normal cruising range. Forget about gas-oil mixing, frequent spark plug changes . . . extra fuel stops . . . high gas and oil costs. The Homelite starts instantly, runs smoothly, gives you automotive reliability.

Go Where You Want To Go Do What You Want To Do

Hitch your boat to a Homelite and you'll cast off the restrictions of old-fashioned outboarding.

* * *

Explore to your heart's content. You don't have to worry about gas stops because you go twice as far on every dollar's worth of fuel. Your Homelite will take any kind of gas, marine or automotive, regular or premium. No need to look for special fuels.

* * *

Full speed ahead! Why waste time? With a Homelite, you can open 'er up and head for the blue water without a second thought. The 4-Cycle-55 delivers fuel economy at any speed. Saves money. Saves big gas loads. Pays off in convenience and fun.

* * *

When dusk falls it's a time for good fellowship. Beach your boat, break out the coffee pot and settle down for a pleasant evening and a restful night. A heavy duty alternator with hi-low switch is standard equipment on the Homelite. Gives your battery the boost to run lots of lights for hours and hours. Charges even at idle.

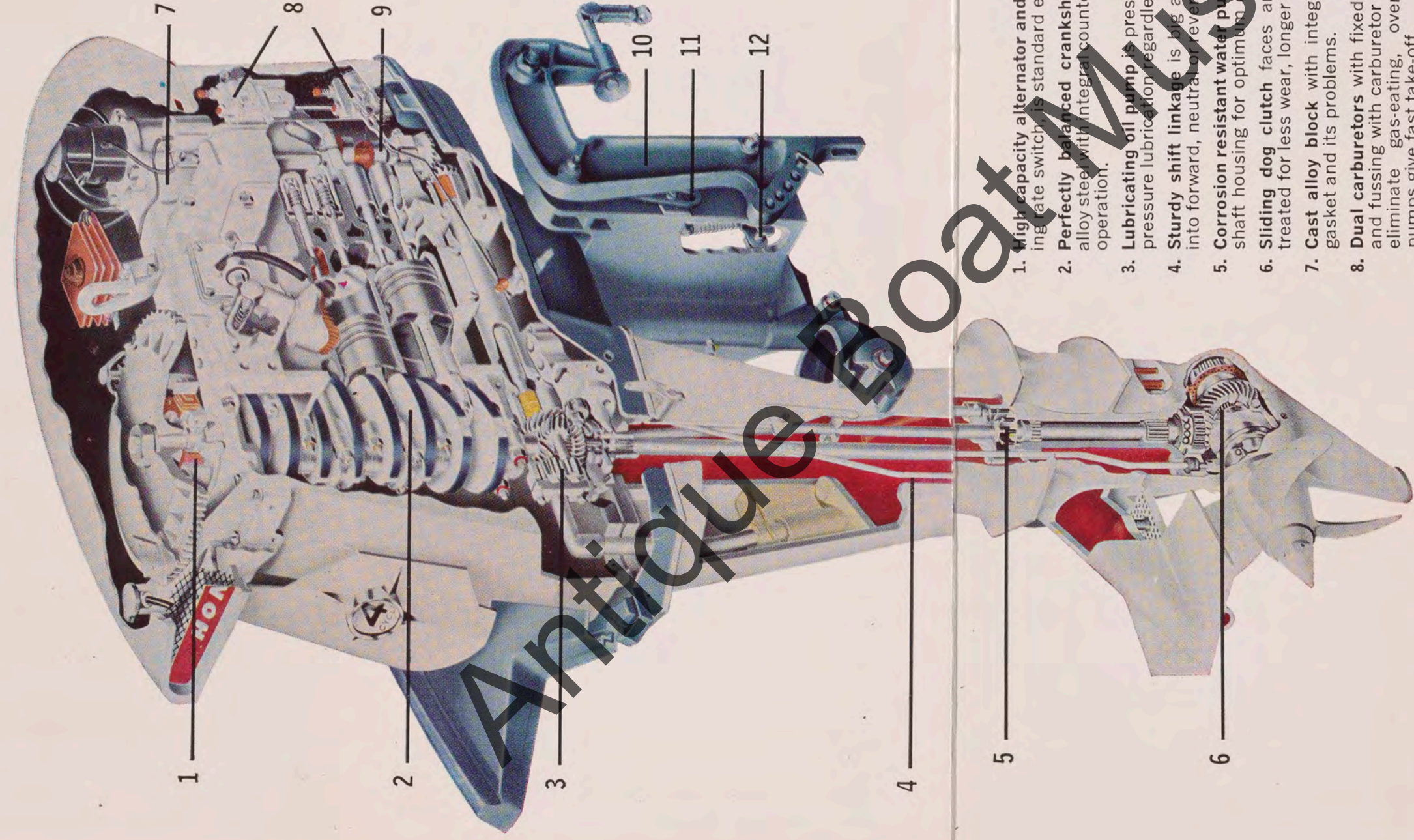
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For the commercial operator or houseboat owner, the 4-Cycle-55 has other special advantages. Its heavy-duty lower end and 28:15 gear ratio give it superior torque in the low and medium rpm ranges. Lets it swing a large diameter propeller to deliver high thrust for heavy loads and large boats.

For your information, the boats pictured in this booklet in the order of their first appearance, are: • 18'3" Fleetcraft "Malibu" • 18'8" Dorsett "Fleetwood Express" • 17'3" Dorsett "Daytona Luxury" • 17'11" Cruisers Inc. "Commander 302" • 14' Deluxe Crestliner "Sandpiper" • 16'7" Boston Whaler "Eastport" • 20'3" Cruisers Inc. "Sea Camper" • 20' American Finn "Family Finn" • 14' Lone Star "Triton". Cessna 180 airplane courtesy of Flying W, Medford, N. J.



Here's The Inside Story



SPECIFICATIONS

Type: 4-cycle, 4-cylinder, 55 hp, electric starting, with built-in alternator.

Piston Displacement: 59.4 cubic inches.

Bore and Stroke: Bore $2\frac{3}{4}$ " ; Stroke $2\frac{1}{2}$ ".

Number of Cylinders: 4.

Crankshaft: Heat-treated chrome-moly alloy steel, integral counterweights for perfect balance, 5 main bearings.

Carburetors: Dual carburetors with fixed high-speed jets. Accelerating pumps for quick take-off.

Drive: Gearshift (Forward, neutral, reverse). 28:15 gear ratio.

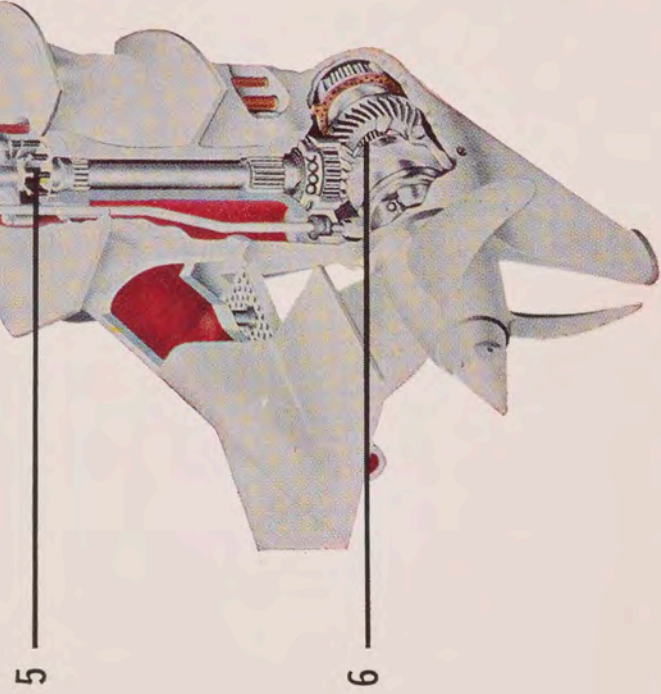
Fuel: Any standard gasoline. Do not mix oil with gas.

Lubrication: High-pressure, forced-feed, automotive-type lubrication.

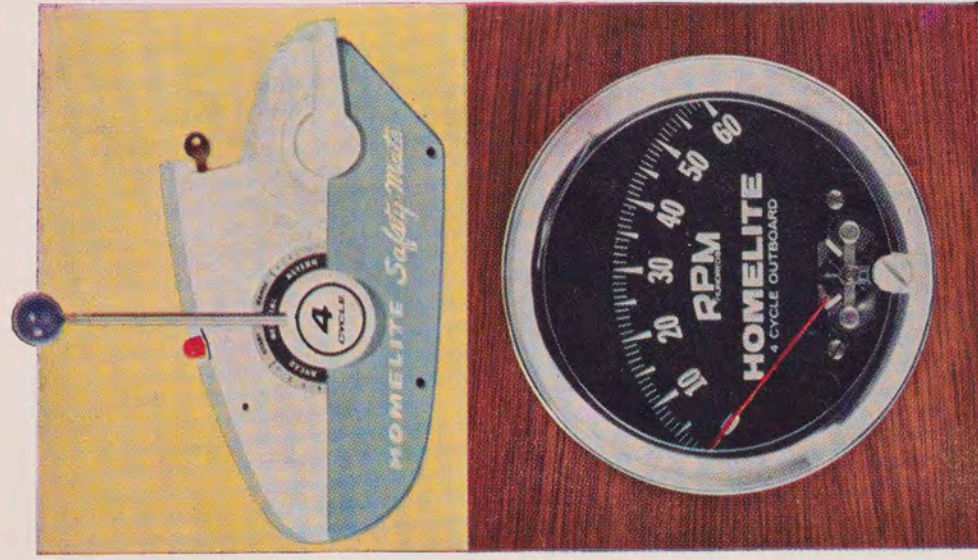
Gas Tank: Thrifty-Mate 6-gallon capacity furnished as standard equipment.

Electric Power Supply: Heavy-duty alternator with hi-low switch furnished as standard equipment.

Weight: 227 pounds, standard shaft length, 232 pounds, long shaft length.



- High capacity alternator and rectifier,** with a Hi-Low charging rate switch, is standard equipment.
- Perfectly balanced crankshaft** is forged of chrome-moly alloy steel with integral counterweights for quieter, smoother operation.
- Lubricating oil pump** is pressure regulated to give constant pressure lubrication regardless of operating conditions.
- Sturdy shift linkage** is big and rugged for a positive shift into forward, neutral or reverse.
- Corrosion resistant water pump** is located in the lower drive shaft housing for optimum operation under all conditions.
- Sliding dog clutch faces** are precisely shaped and heat treated for less wear, longer life.
- Cast alloy block** with integral head eliminates the head gasket and its problems.
- Dual carburetors** with fixed high speed jets and tinkering and fussing with carburetor adjustments. Factory set, they eliminate gas-eating, over-rich mixtures. Accelerating pumps give fast take-off.
- Racing-type overhead camshaft** gives controlled rate of valve acceleration for long life of cams, cam followers and valves.
- Clamp brackets** forged of high tensile aluminum for maximum strength, minimum weight.
- Tilt lock** holds the motor in raised position for beaching.
- Automatic reverse lock** keeps the motor from kicking up as you shift into reverse or neutral. Impact loaded to release instantly if you hit an obstruction.
Heavy-duty, high torque, low-current drain, electric starter has been thoroughly tested under extremes of temperatures to assure instant starting.



Safety-Mate Control Center groups all motor controls at your fingertips. Just set the warm-up lever in the starting position, push in the key to choke and gas-air mixture is automatically adjusted to suit the conditions. If oil pressure drops or engine overheats, a brilliant red light flashes and a loud horn sounds to warn you of the conditions. Man-U-Matic choke, key lock and ignition starting all combined in one simple, easy-to-use control. Available for single or dual engines, port or starboard installation.

Electric Tachometer. Helps you select the most efficient throttle setting and propeller to match your boat's load, trim and speed. Mounts flush on the dashboard. Available as an accessory.

Other Homelite accessories include: Thrifty-Mate Gas Tanks. A 6-gallon tank is furnished with each engine. 12 and 18-gallon tanks available for extra long cruises. A wide range of propeller sizes and types is available. Your dealer will help you pick the one to match your boat and boating use.

There's Homelite Service Wherever You Go

Each Homelite dealer maintains a stock of parts and is prepared and equipped to handle any servicing problem. And back of every dealer stands a nearby Homelite Factory Branch and District Warehouse.

A network of 51 Homelite Branches (more than all other outboard manufacturers combined) guides the sales and service of Homelite products throughout the country. Staffed by expert, factory-trained mechanics, each District maintains an inventory of Homelite parts to give you and your dealer factory support quickly and efficiently . . . right at the local level.

The combination of Homelite dealers, Factory Branches and District Warehouses plus the ease of servicing the 4-cycle engine assures you of prompt service wherever you go.

HOMELITE A Textron
DIVISION
RIVERDALE AVENUE, PORT CHESTER, N.Y.

