

\$4.50

OWNER'S MANUAL



for the
TROY-BILT®
Roto Tiller
Power Composter
HORSE MODEL



THIS TROY-BILT OWNER is chopping up and tilling under all of his garden residues, literally turning his *whole* garden into a fabulously fertile "compost pile"! Please see the Back Cover for more details on just why your Troy-Bilt is actually *two* machines in one — a superior rotary tiller *and* a compost chopper-shredder.



The Troy-Bilt Tiller Factory in Troy, N.Y.

WHY WE CALL IT THE HORSE MODEL TROY-BILT® ROTO TILLER- POWER COMPOSTER

Throughout this **OWNER'S MANUAL** or other Troy-Bilt® sales literature and Order Forms, we call your tiller the **HORSE MODEL TROY-BILT®**. The name aptly describes its work-horse ruggedness and distinguishes this model from other models that have been available in the past, or might be produced in the future.

Perhaps you already know that our company, Garden Way Manufacturing Company, Inc., is a once-removed outgrowth of the original Rototiller Corp., which was also a Troy, New York based company from 1934 until 1960.

Rototiller Corp. introduced rotary tillage to the United States in the early 1930's, and led the field for over 25 years with many unique and important developments in roto tilling equipment. Rototiller Corporation was sold in 1960, and moved out of Troy at that time.

The business of supplying replacement parts to former Rototiller dealers and thousands of Rototiller owners was sold to our present company, which at that time was called Watco Machine Products Corp. In 1968, we changed our name to Garden Way Manufacturing Company, Inc., to more aptly describe the company's full commitment to promoting home vegetable gardening as a better way of life.

TROY-BILT® is a registered trademark of Garden Way Manufacturing Company, Inc., Troy, New York

In 1961, George W. Done, who was then president and a founder of our Watco Machine Products Corp., designed a new medium size roto tiller, which he called the **TROJAN HORSE MODEL**. This machine (which is much the same machine we build today, with several small but important improvements) combined all of the best ideas from George Done's 25 year experience as chief engineer and designer for the original Rototiller Corp.

In 1963, when we were still known as Watco Machine Products Corp., we were forced to change the name of our **TROJAN HORSE MODEL** because it conflicted with the product trademark of a large earth-moving equipment manufacturer. It was then that we chose **TROY-BILT®** as our tiller trademark, along with the **HORSE MODEL** designation. Over the years, our **TROY-BILT® HORSE MODEL** has been continually refined and improved to the point that its performance and reliability have long been recognized by many thousands of serious vegetable gardeners as being unmatched by any other tiller of its size or design.





Our Service Department is as close as your phone.

Have a question about servicing your tiller...

or how to operate it... or gardening in general?

**We're as close as your telephone,
with our 24-hour HOTLINE ...**

Here's what to do:

1 Look at the INDEX starting on page 4 to find the listing that covers the subject you're concerned with. Then, turn to those pages listed and see if the solution to your problem is listed there or on other pages in that general category—Possibly your search will lead you to another section of THIS MANUAL where you will find a solution.

2 Next, if you haven't found your answer, write to our service department.

3 Or, if you can't find your answer in the book and it's urgent, call us here at the factory on our 24 HOUR SERVICE HOT LINE: Area Code 518, 235-6010, Troy, New York.

OUR TELEPHONE SERVICE HOT LINE is in operation 24 hours a day, 365 days a year. It is attended personally from 8:00 AM to 4:30 PM (Eastern Time), Monday through Friday. For other hours of the day, and for weekends and holidays, an automatic answering machine will record your message. One of us will take care of your questions the following work day.

The whole idea behind the **TROY-BILT® SERVICE "HOT LINE"** is to get parts, attachments and service advice out to you just as quickly as possible; also, to answer any questions you may have about tilling or gardening, by phone or by letter, depending upon what is needed.

Nothing is more important to all of us here at the Tiller Factory than making sure that every single Troy-Bilt® Owner is completely satisfied 100 per cent of the time. You're always entitled to first rate service. Please know that we will do our very best to see that you get it at all times. Thank you.

Dean Leith, Jr.

Dean Leith, Jr., Sales Manager



Naturally each Troy-Bilt part is always in stock, ready to go at a moment's notice. Call anytime of the day or night or write for immediate, speedy shipment.



We keep you up-to-date at least once a year on service hints, latest developments at the factory and gardening advice, plus a helpful exchange of news and tips from other Troy-Bilt owners everywhere.

TROY-BILT®

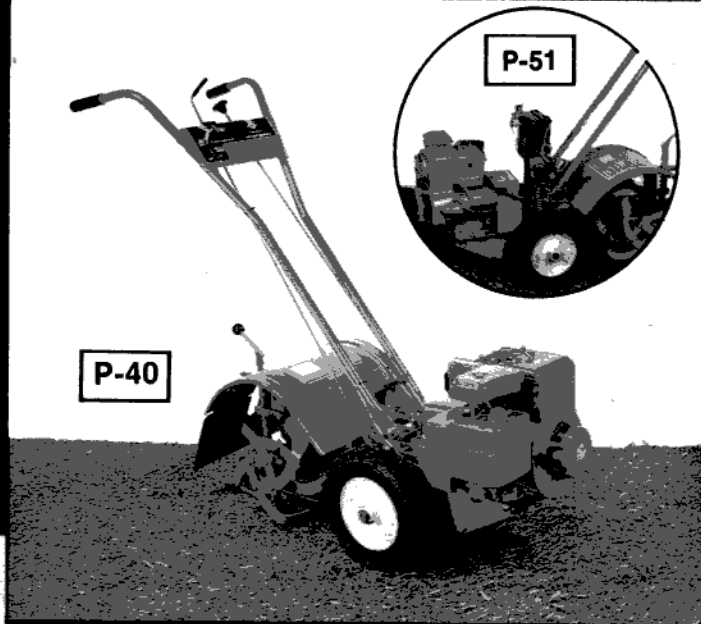
Roto Tiller-Power Composters

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BROCHURE

When you have decided which model Tiller and attachments you want, please fill in the Order Form and mail the whole page back to us in the postage-free envelope enclosed.

Thank you.



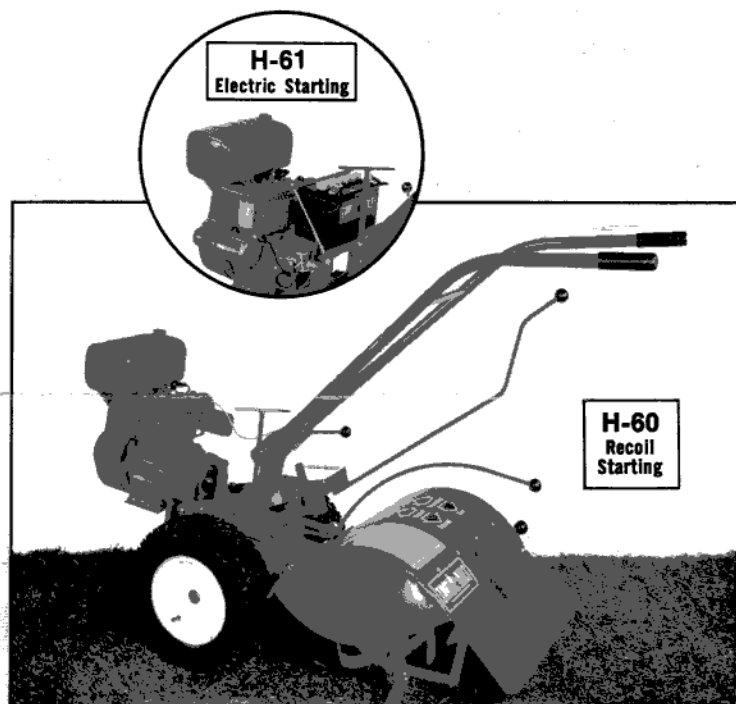
P-40

P-51

4 HP Recoil Starting or 5 HP Electric Starting "PONY"

(Briggs and Stratton "Cool-Bore" Aluminum Engine)

The smaller Troy-Bilt model. Ideal for tilling, cultivating between closer set rows, as well as power composting. Electric Start Version (see circle above) has start motor and 12 volt battery which recharges while you till. It can also be started by hand. Semi-pneumatic tractor tread tires and bolo tines are standard on both models. 160 lbs. (180 lbs. for electric).



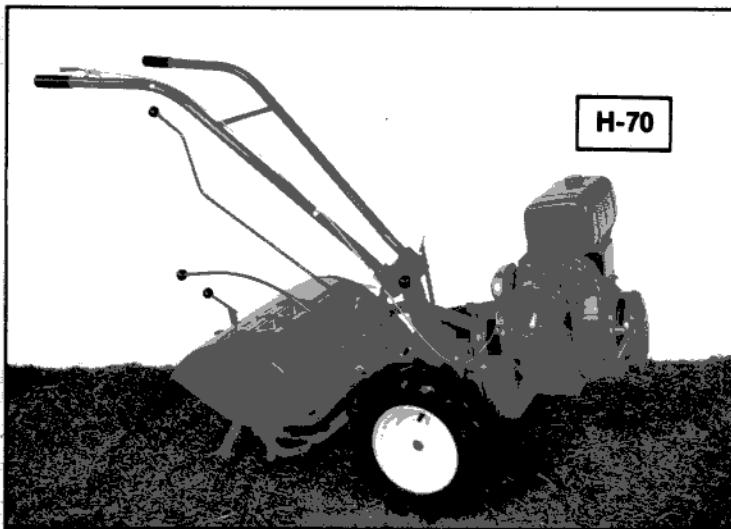
H-61
Electric Starting

H-60
Recoil
Starting

6 Horsepower Recoil Starting or 6 Horsepower Electric Starting "HORSE"

(Cast Iron Tecumseh-Lauson Engine)

By far the most popular Troy-Bilt Tiller Model. Heavy Duty Engine, Bolo Tines, and diamond tread tires all standard. Electric Starting Version (see circle above) has starter motor and 12 volt battery which recharges while you till. Push-button starting in cold or damp weather makes this version a real convenience for many folks. It can also be started by hand. 268 lbs. (294 lbs. for electric).



H-70

7 Horsepower Recoil Starting Professional Model "HORSE"

(Cast Iron Kohler Engine)

The Tiller many Troy-Bilt owners eventually "move up to." The same as the 6 Horsepower Recoil Model, except that it includes — as standard equipment — bar tread tires and a 7 Horsepower Kohler K161 engine rated for industrial use. The Kohler engine uses a larger piston with a short stroke which gives it "tractor lugging power" for long duration tilling in even the toughest soil conditions. 286 lbs.

SEE SEPARATE ORDER
FORM ENCLOSED

The more you know about rotary you will appreciate the TROY-BILT

The "HORSE" Model...

For deep tilling and rapid, but controlled cultivating with minimum operator fatigue — under the toughest conditions — there is no substitute for a machine with **REAR-MOUNTED TILLER TINES** and **POWER-DRIVEN WHEELS**. Please consider carefully all of the reasons shown here why we believe the Troy-Bilt® to be the outstanding tiller value on the market today.

TOP MOUNTED FUEL TANK — Provides full fuel feed . . . even in sloping areas. Big 1½ gallon fuel capacity.

6 HP TECUMSEH-LAUSON AND 7 HP KOHLER ENGINES—Four cycle, all cast-iron construction, for long engine life, recoil starter with automatic compression release on 7 HP Kohler. Electric-starting 6 HP Model also available for quick starting even in cold weather!

MOTOR OUT FRONT — Makes for almost perfect distribution of weight over machine's chassis, unbelievable tiller balance, and exceptional operating ease. You don't have to fight this tiller — ever.

HANDLEBARS — Tubular steel construction. Full side-to-side and vertical adjustment can be made easily without tools. Full throttle control is at operator's fingertips (plus choke and engine shutoff).

INSTANT HANDLEBAR ADJUSTMENTS — Up, down, and sideways, without tools! Easily adjustable for gardeners of any height.

WHEELS — transmissic back, to en of tilling, c machine dc it along! W the tines n 4:80 x 8 tul diamond tr tional on 6

"HORSE" Model SPECIFICATIONS

HORSEPOWER: 6 or 7 HP recoil starting, also 6 HP Electric Starting.

SPEEDS: When the engine is operating at 3000 RPM the machine ground and tiller tine speeds are:

	Low	High
Ground Speed5 MPH	1.2 MPH
Tiller Tine Speed	146 RPM	146 RPM

DIMENSIONS:

Height: With handle bars mounted . . . from a 32" minimum with bars turned down for easier loading into station wagon or car trunk . . . up to any height suitable for operator.
32" without handle bars mounted.

Length: 66" with handle bars
51" without handle bars

Width: 23" from hoodside to hoodside
20" tilling width

Weight: 6 HP — 268 lbs.
6 HP Electric Starting — 294 lbs.
7 HP Professional Model — 286 lbs.
For shipping . . . add 40 lbs. more for container weight.

TRANSMISSION — Rugged and gear-driven, provides two easily selected forward and reverse speeds at handlebars. Separate steel worms on main drive shaft drive highly durable worm gears to power wheels and tiller tines. (Final speed reduction and power to wheels comes from heavy duty cast iron HIGH & LOW speed gears and a dog CLUTCH in the "HORSE" Models.) Main drive and tiller shafts are mounted on tapered roller bearings. Pinion shaft is mounted on ball bearings. Entire wheel and tiller transmission operates in a bath of gear oil.

