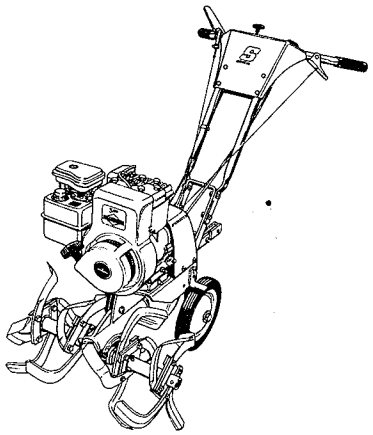
Simplicity®



OWNER'S MANUAL

ROTICUL ROTARY TILLER

5 H.P. MFG. NO. 938

MFG. NO. 212 TINE EXTENSION SET

MFG' NO. 340 FURROW OPENER

SIMPLICITY MANUFACTURING COMPANY, INC.

SER. FORM - OP74

LITHO IN USA

CONGRATULATIONS!

. . . on your choice of SIMPLICITY equipment.

This great new product is engineered with imagination and built with integrity to assure you maximum service and performance for years to come. To completely understand the operation of your equipment and to take full advantage of its many fine built-in features, study this instruction manual thoroughly before operating the machine. The little time you spend reading now will repay you many times over in the time you save and the satisfaction you gain in using your equipment properly and safely.

SAFETY FIRST

PROTECT YOURSELF AND OTHERS BY FOLLOWING THESE SAFETY RULES

* **ALWAYS** keep children and pets a good, safe distance away.

* **ALWAYS** know your controls and how to stop quickly in an emergency – read the owner's manual thoroughly.

* **NEVER** allow anyone to operate the equipment without full instruction and knowledge of safe operating procedures.

* **NEVER** handle gasoline carelessly. Use an approved container and fill the tank out of doors. Wipe up spilled gasoline. Do not smoke while fueling the engine.

* **NEVER** add gasoline to a running engine. Stop engine and allow it to cool a few minutes before adding fuel. Replace filler cap securely.

* **NEVER** operate equipment unless all guards and shields are in place.

* **ALWAYS** keep hands, feet and clothing away from power driven parts.

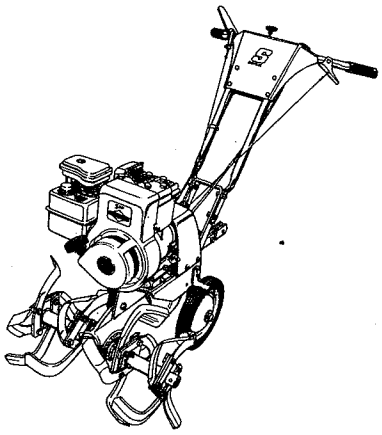
* **ALWAYS** stop the engine before servicing or adjusting machine or equipment. Remove the spark plug wire on walk behind mowers.

* **ALWAYS** stop the engine and inspect for damage immediately after striking an obstruction or foreign object. Repair damage before restarting.

* **NEVER** overspeed the engine or alter governor settings. Excessive speed is always unsafe and shortens engine life.

* **ALWAYS** properly maintain the equipment. Check all fasteners, guards and parts.

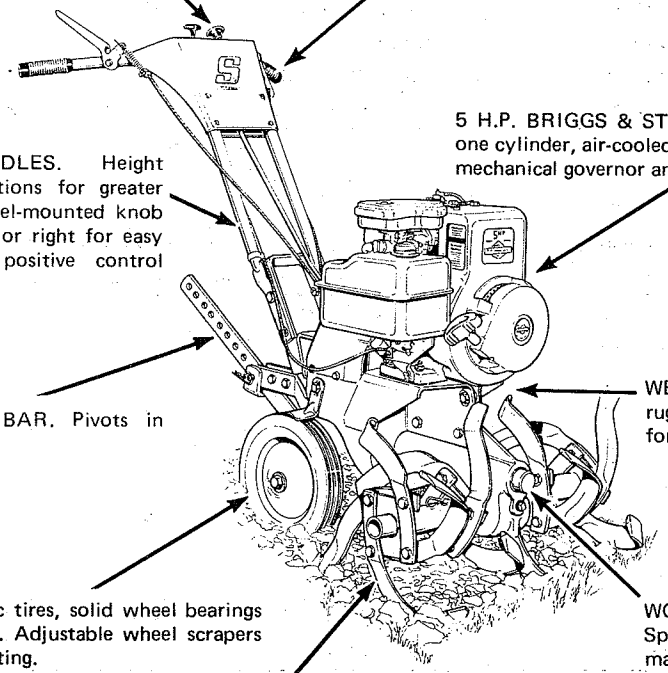
* Do not operate the engine where carbon monoxide can collect.



BUILT IN SAFETY FEATURES CAN BE EFFECTIVE ONLY IF PROPERLY MAINTAINED AND UTILIZED.

HANDLE MOUNTED CONTROLS. Forward clutch lever, Reverse clutch lever, Throttle lever and handle position lock knob are all mounted at the handles for safe operation.

FULL-POWER, INSTANT REVERSE GEAR CONTROL. If an obstruction is encountered, simply release forward clutch lever and stop on a dime. Engage reverse lever and back up immediately under full power. No twisted belts, no friction wheels, no engine jitters.



5 H.P. BRIGGS & STRATTON EASY-SPIN ENGINE. Four-cycle, one cylinder, air-cooled power with Lo-Tone muffler, recoil starting, mechanical governor and combined throttle on-off switch.

ADJUSTABLE HANDLES. Height adjustable to three positions for greater comfort. Release the panel-mounted knob to swing handles to left or right for easy turning and increased, positive control under all conditions.

ADJUSTABLE DEPTH BAR. Pivots in reverse.

WELDED STEEL FRAME. Heavy duty with rugged cross-bracing, yet compact and balanced for easy tilling in high foliage.

WHEELS. Semi-pneumatic tires, solid wheel bearings requiring no maintenance. Adjustable wheel scrapers to prevent soil from collecting.

WORM GEAR DRIVE. Unique design requiring Special Worm Gear lubricant to eliminate maintenance and assure durability. Tapered roller bearings front and rear.

TINES. Self-sharpening, high-carbon forged steel. Non-winding design adjustable to 32-1/2 inches wide (with extensions). Slice into the hardest, baked, crusty soil to 7 inches deep, kneading the soil with smooth, spading action, leaving a crumbly texture perfect for planting.

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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

5 H.P. ROTICUL SPECIFICATIONS

ENGINE	MAKE: BRIGGS & STRATTON	■ MODEL NO: 130292 ■ STROKE: 2-7/8 Inches ■ CYCLES: 4 ■ DISPLACEMENT: 12.5 Cu. In. ■ CYLINDERS: 1 ■ CRANKSHAFT ■ BORE: 2-9/16 Inches PLANE: Horizontal
	STARTER	Manual Rewind Up-Angle Side Pull
	CHOKE	Manual
	GOVERNOR	Remote Controlled Mechanical
	IGNITION	Patented, High-Tension Magneto with Ceramic Magnets
	LUBRICATION	Gear Impeller System - 40% Slope Operation
		CRANKCASE CAPACITY: 1-1/4 Pints
	FUEL CAPACITY	3 Quarts
	AIR CLEANER	Sealed Joint Housing, Reusable Oiled Foam Element
	MUFFLER	Quiet, Low Back Pressure Type, Side Discharge
TRANSMISSION	TYPE	Worm and Gear
	MATERIAL	WORM: Carburized Steel
		GEAR: Bronze
	BEARINGS	FRONT: Tapered Roller Bearing
		REAR: Tapered Roller Bearing
	SEALS	Double Lip - Dirt Excluding
	LUBRICATION	Special Simplicity Worm Gear Oil
	HOUSING	Cast Iron
	SPEEDS	One Forward, One Reverse
		Reverse Type - Camshaft Drive Belt
	CLUTCH	Touch-O-Matic V-Belt
TINES	TYPE	Self-Sharpening, Non-Winding
	MATERIAL	Forged, High-Carbon Steel
	TILLING WIDTH	22-1/2 In. Standard, 32-1/2 In. with Tine Extensions
	TILLING DEPTH	0 to 7 Inches, Adjustable
	ATTACHMENT	TO HUB: Bolted
		TO SHAFT: Pin and Spring Clip
	DRIVE	INNER: Pin Type Floating Drive
		OUTER: Pin and Torsion Plate Floating Drive
	SPEED	75 RPM at Full Engine Speed
DEPTH BAR	TYPE	Pivots in Reverse
	ATTACHMENT	Pin and Spring Clip
	ADJUSTMENT	0 to 7 Inches Tilling Depth
CONTROLS	LOCATION	FORWARD CLUTCH: Right Handle, Top
		REVERSE CLUTCH: Left Handle, Bottom
		THROTTLE: Center Mounted
		HANDLE POSITION LOCK: Center & Both Sides
		REWIND STARTER AND CHOKE: On Engine
	HANDLES	TYPE: Three-Position Swing with Lock
		HEIGHT: Adjustable, Three-Positions
CHASSIS	FRAME	Heavy-Duty, Electrically Welded with Cross-Bracing
	TIRES	10 x 1.75 Semi-Pneumatic
	WHEEL BEARINGS	Solid, Sintered Iron
	WHEEL SCRAPERS	Frame Mounted, Adjustable
OVERALL DIMENSIONS	LENGTH	51 Inches
	WIDTH	26 Inches (Without Tine Extensions)
	HEIGHT	TO TOP OF HANDLE: 38-1/4 Inches
		TO TOP OF ENGINE: 27-3/4 Inches
	WEIGHT	NET (DRY): 133 Lbs.
		SHIPPING (DRY): 143 Lbs.

SAFETY FIRST

In addition to the basic safety rules appearing on the inside front cover, follow these safety tips.

■ Release both clutch levers and stop the engine before cleaning the tines, removing obstacles, making adjustments or when leaving the operating position.

■ Never allow children or pets to cross your path or cause distractions in the area while operating.

■ Use caution to avoid slipping or falling, especially when operating in reverse.

CONTROLS

1. THROTTLE LEVER: To adjust engine speed or to stop the engine, move the lever forward or back.

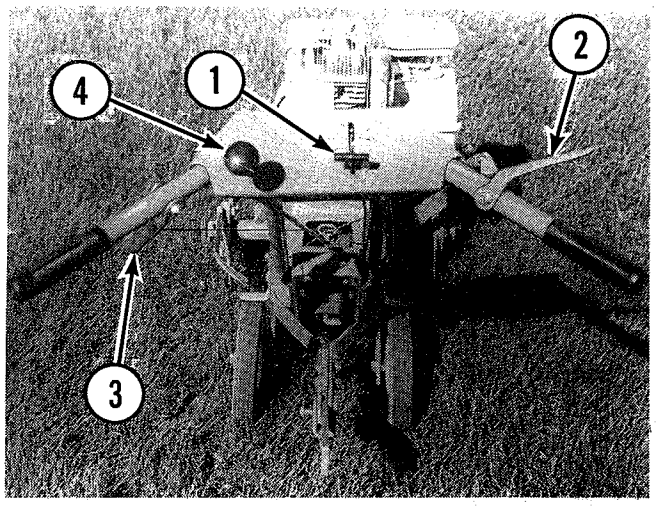
2. FORWARD CLUTCH LEVER (RIGHT HANDLE): Squeeze the lever to engage the forward drive, release to stop.

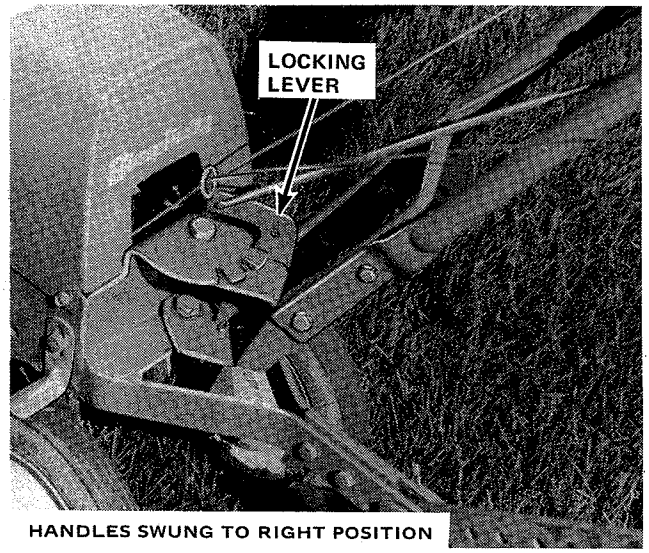
3. REVERSE CLUTCH LEVER (LEFT HANDLE): Squeeze lever to engage reverse drive only after releasing FORWARD lever.

CAUTION

NEVER GRIP BOTH FORWARD AND REVERSE CLUTCH LEVERS AT THE SAME TIME. SERIOUS DAMAGE MAY RESULT.

4. HANDLE POSITION KNOB: Pull up on knob to swing handles to left or right position and release to lock handles in place. Be sure that locking lever is firmly engaged in the notch on the lock plate before proceeding.



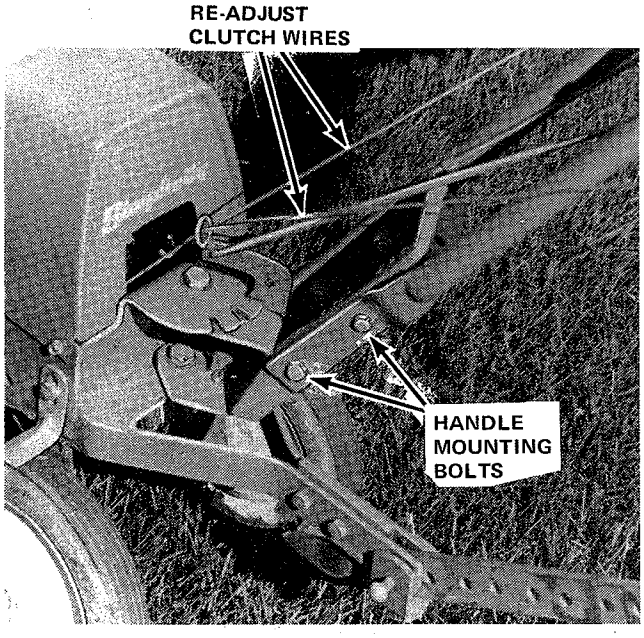


HANDLES SWUNG TO RIGHT POSITION

5. HANDLE HEIGHT: The handle support assembly has several mounting holes to allow adjustment of the handle height to three positions. Experience will show which position is most convenient. Remove the handle mounting bolts, nuts and lockwashers to reposition handles.

NOTE

Whenever the handle height is changed, the forward and reverse clutch control wires must be readjusted to suit. See "Adjustments".

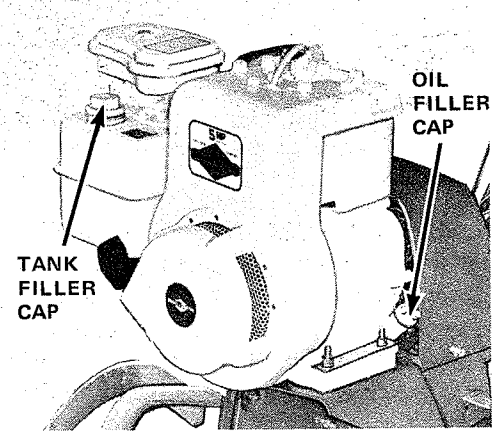


BEFORE STARTING

Before attempting to start the engine, read the engine owner's manual thoroughly. Be sure to have on hand sufficient quantities of clean, fresh "Regular" grade gasoline and SAE 30 grade MS engine crankcase oil.

1. Remove the crankcase filler cap, located on the left side of the engine, by turning counterclockwise. Fill with SAE-30 oil until level with the top of the neck. Reinstall filler cap securely. Check the oil level every time fuel is added.

2. Remove the fuel tank filler cap and fill tank completely with clean, fresh leaded or non-leaded "Regular" grade automotive gasoline.



DO NOT MIX OIL WITH GASOLINE.

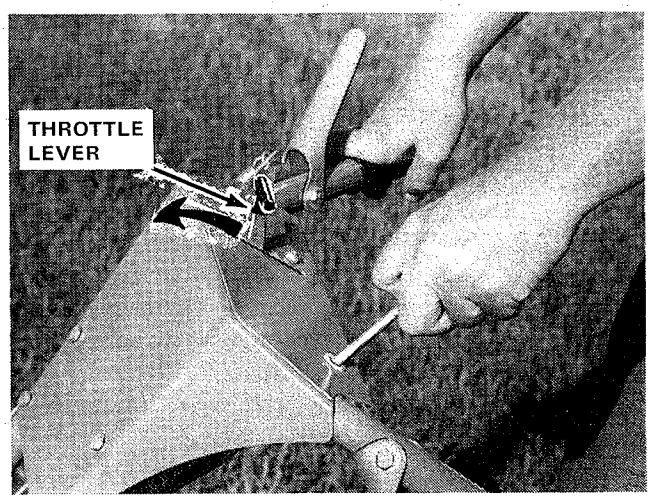
CAUTION

GASOLINE IS HIGHLY INFLAMMABLE. AVOID OVERFILLING AND WIPE UP ANY SPILLED FUEL. ALLOW NO OPEN FLAME, SMOKING OR MATCHES NEAR THE AREA WHEN REFUELING.

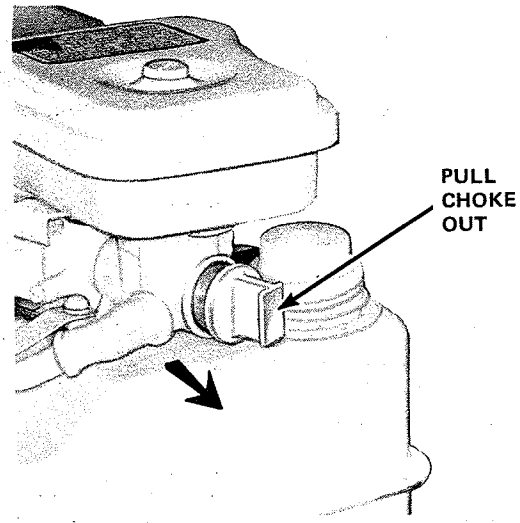
Replace the filler cap securely. Store gasoline only in small quantities - prolonged storage produces gum and harmful deposits. If it is necessary to store gasoline for long periods, add STA-BIL brand gasoline stabilizer, available at your Simplicity dealer. (See "Off-Season Storage.")

STARTING

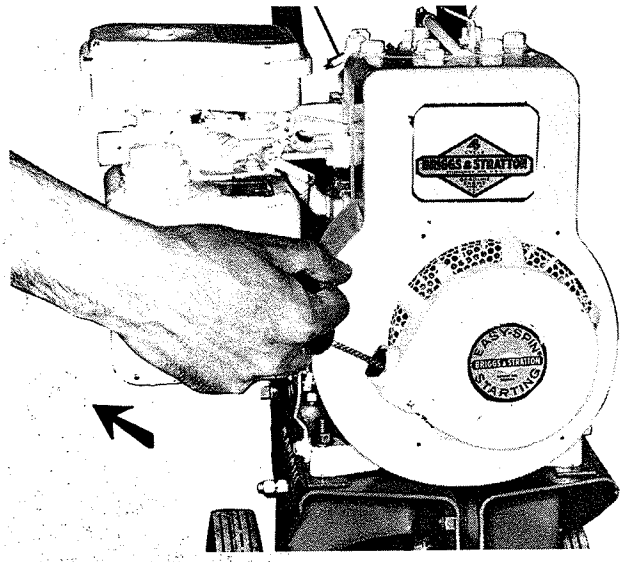
1. Move the throttle lever 1/2 way forward.



2. Pull choke plunger out to "CHOKE" position.

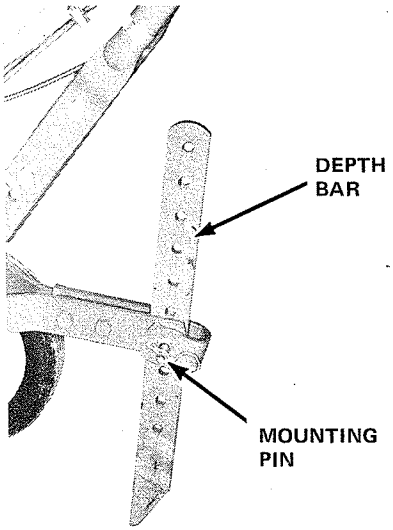


3. Grasp the recoil starter handle firmly in your right hand and pull sharply straight out to start the engine. After the engine starts, return the choke to "OFF" position. If the engine fails to start after 4 or 5 pulls it may be flooded. Return the choke to "OFF" position and pull recoil starter handle to clear the excess fuel. Always return the handle by hand - DO NOT RELEASE THE HANDLE WITH THE ROPE EXTENDED. To stop the engine, pull the throttle lever all the way back.

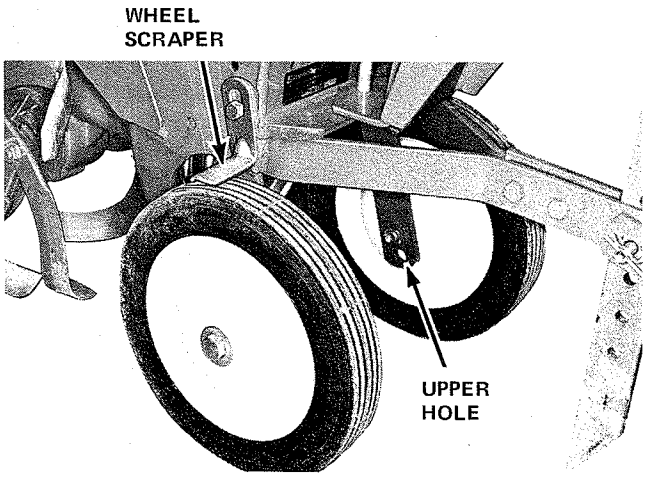


BEFORE OPERATING

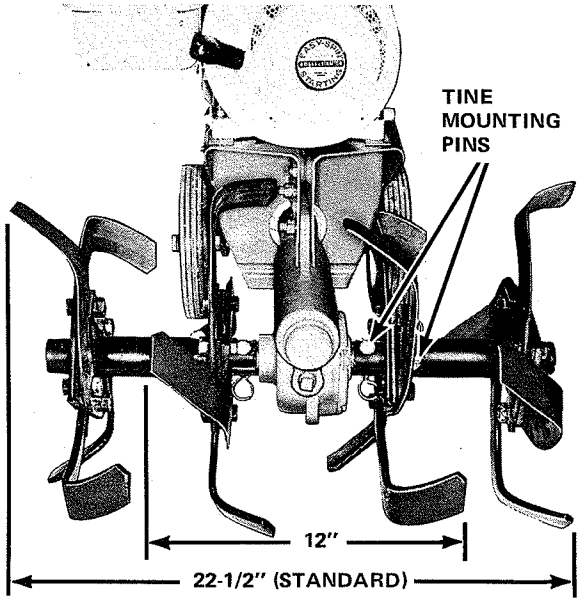
1. The depth bar setting determines the depth of tilling. To till 4 to 6 inches deep, install the bar mounting pin in the second or third hole from the TOP. Simply pull out the hairpin cotter to change pin location. Be sure to install the bar with the digging tip as shown. THE DEEPER THE DEPTH BAR IS SET INTO THE SOIL, THE DEEPER THE TINES WILL DIG.



2. Check to be sure that the wheels are mounted in the UPPER holes of the frame legs as shown. Adjust the wheel scrapers to clean accumulated soil from the tires. This will vary according to conditions. Loosen the mounting bolts to raise or lower the scrapers. When the best effect is obtained, tighten the bolts securely. A good initial setting is to position the scraper 1/8 in. above the tire.



3. The standard tine arrangement shown allows a tilling width of 22-1/2 inches. The two outer sets of tines can be removed to narrow the width to 12 inches if desired. Simply pull out the hairpin cotters and remove the mounting pins. Tine assemblies are left and right hand. Switch the two inner tines for an 8-1/2 inch wide path. Switch the outer tines and add them to change the width to 18-1/2 inches. Always be sure when rearranging tines that the sharpened edges face forward. A set of tine extensions is available to extend the width to 32-1/2 inches. See your Simplicity dealer.



OPERATION

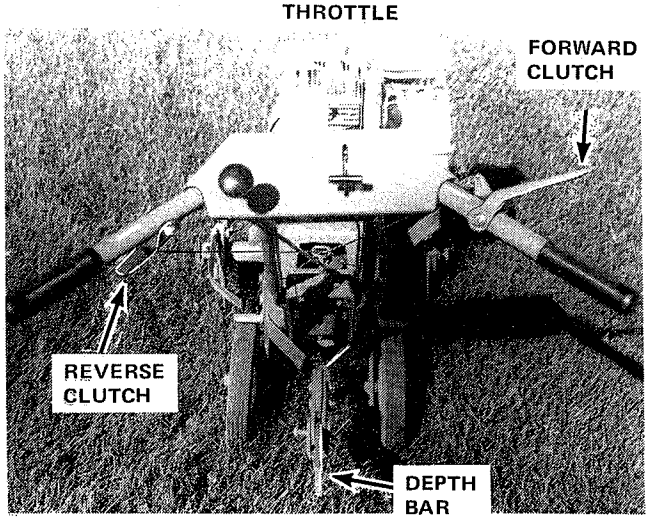
After starting, move the throttle lever to 3/4 forward.

For FORWARD motion, squeeze the RIGHT HAND clutch lever. For REVERSE motion, release the right lever and squeeze the LEFT HAND clutch lever.

CAUTION

NEVER GRIP BOTH FORWARD AND REVERSE CLUTCH LEVERS AT THE SAME TIME.

Use the depth bar to furnish the necessary drag rather than pulling back on the handles. Push DOWN on the handles to LOWER the depth bar, slowing forward speed and deepening the bite of the tines. Upward thrust on the handles increases forward speed and raises tilling depth.



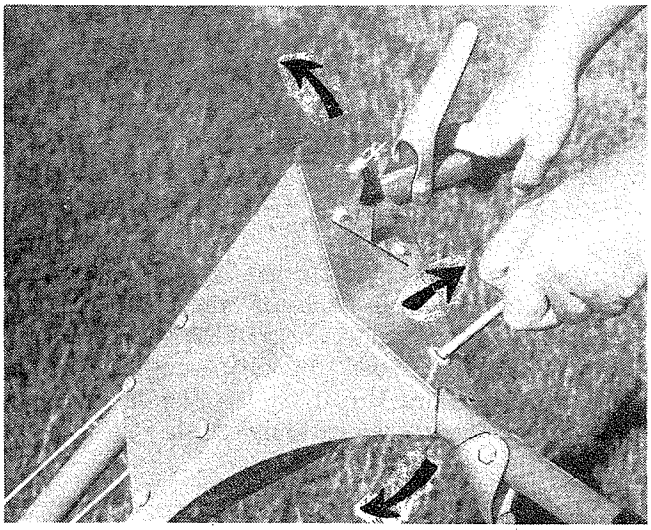
LET THE DEPTH BAR
DO THE WORK

The Roticul is scientifically designed to cultivate the soil with a minimum of physical effort on the part of the operator. When operating for the first time, proceed slowly and carefully to get the "feel". Experience will determine the best handle height for your requirements, the correct handle pressure and depth bar setting. Experiment with the clutch lever, using the quick response for positive control in close areas.

Do not till when the soil is very wet. This causes lumps which are difficult to work up. If the soil is extremely hard and dry it may be desirable to cross-till an area at shallow depth first, then till in the direction of planting rows on the second pass at the final depth.

A furrow opener shovel is available from your Simplicity dealer for use in digging furrows for crops which are planted in rows, such as potatoes. See "Accessories".

Pull the handle lock knob up and swing the handles to right or left as desired and release the knob. This allows you to walk next to the tilled area instead of in it and makes turning easier.



TROUBLE SHOOTING

IF ENGINE FAILS TO START, check the following:

1. Fuel tank is full.
2. Throttle lever is set to 1/2 open.
3. Spark plug cable is securely connected.
4. Choke plunger is pulled out to "CHOKE" position or in "OFF" position (in) if engine appears to be flooded. To clear a flooded engine, push the choke in and pull the starter rope several times to clear the excess fuel.

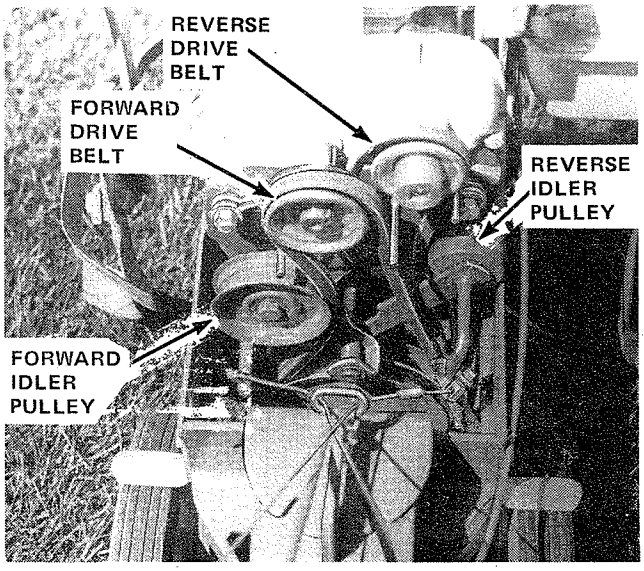
IF BELT SLIPPAGE OCCURS, check the following:

1. Belts may be stretched or worn excessively.

2. Belts may be greasy or oily. If so, use Energine or a similar cleaning fluid on a rag to clean. An alternate method is to sprinkle a handful of Drizit or Kitty-Litter compound on the belt while running.

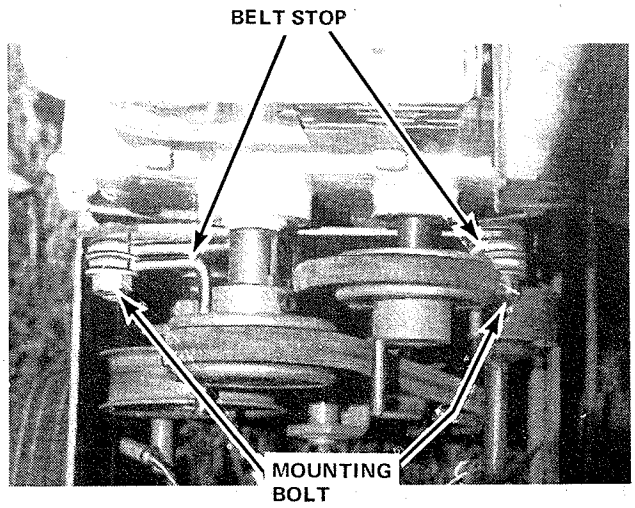
3. Pulleys may be misaligned.

4. Belt tension may be too tight. (See "Adjustments.")

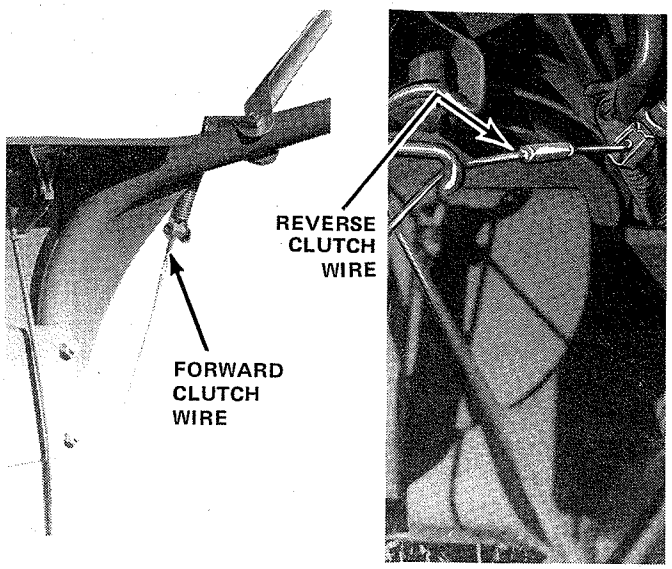


ADJUSTMENTS

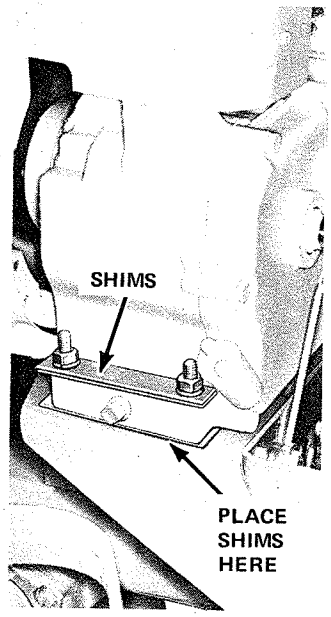
BELT STOP: Remove the drive belt cover at the rear of the engine. Make sure the belt stops are as near as possible to the belts when running. Loosen the stop mounting bolt to adjust position or bend the stop where necessary to within 1/8 in. of both belts when running. Replace the drive belt cover before operating.



CLUTCH ADJUSTMENT: Check for proper clutch engagement. Belts must not be running when the clutch levers are released and must not slip when levers are engaged. If adjustment is required, loosen the Allen head screw in the control cable clamp and remove excess slack in the wires. Tighten the screw securely.



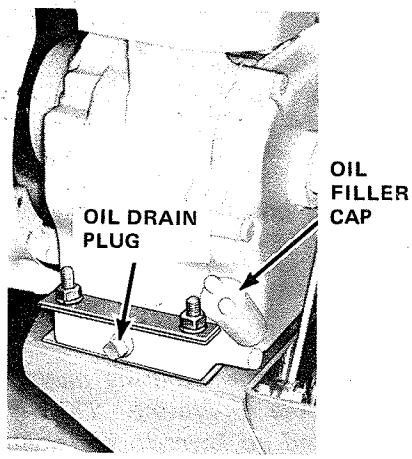
DRIVE BELT SLACK: After some use, the drive belts may stretch so that clutch adjustment cannot be made at the control cable clamps. If this occurs, remove the engine mounting nuts, remove the shims shown and install one or more of them under the engine. Tighten the mounting nuts securely.



MAINTENANCE

To keep your Simplicity Roticul at peak operating efficiency, these maintenance procedures must be followed regularly:

1. Read the engine owner's manual thoroughly. Always check the engine oil level before starting. Add SAE 30 grade MS oil until level with the top of the filler neck. Change crankcase oil and re-oil the air cleaner foam element every 25 hours of operation, more often under extremely dusty or dirty conditions.



2. Turn the screw on the air cleaner cover counterclockwise to loosen. Remove the cover. Wash the foam air cleaner element in Kerosene or liquid detergent and dry it thoroughly. Saturate it with engine oil, squeeze out the excess and reinstall.

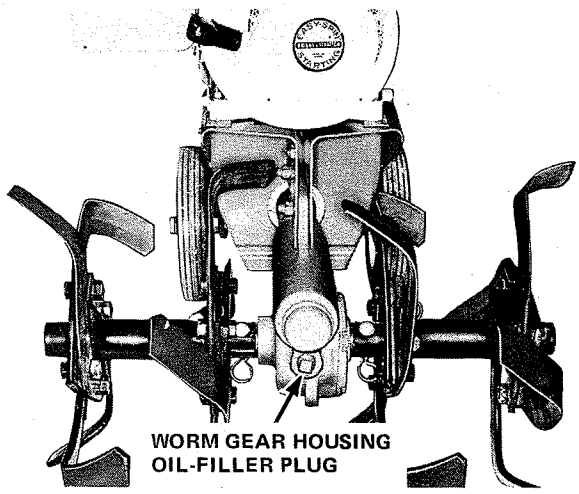
3. Clean and re-gap the spark plug every 100 hours of operation. Gap to .030 inches. DO NOT clean plug by sandblasting. Grease the plug threads before reinstalling.

WORM DRIVE HOUSING: The worm gear drive on the Roticul is lubricated with special worm gear oil available from your Simplicity dealer.

DO NOT USE ORDINARY TRANSMISSION OIL. Any other oil except Simplicity Worm Gear Oil may cause gear failure. The worm drive housing is filled at the factory, but the level must be checked every 1 to 5 hours of operation. To add oil, tip the Roticul back until the handles rest on the ground, remove the filler plug and add worm gear oil. FILL UNTIL THE OIL IS LEVEL WITH THE PLUG HOLE WHEN THE TINES ARE RESTING ON THE GROUND. *DO NOT OVERFILL.* Screw the plug back in securely.

CAUTION

DAMAGE TO THE WORM GEAR DRIVE WHICH RESULTS FROM USE OF ANY OTHER LUBRICANT THAN SIMPLICITY BRAND SPECIAL WORM GEAR OIL WILL AUTOMATICALLY INVALIDATE THE WARRANTY.



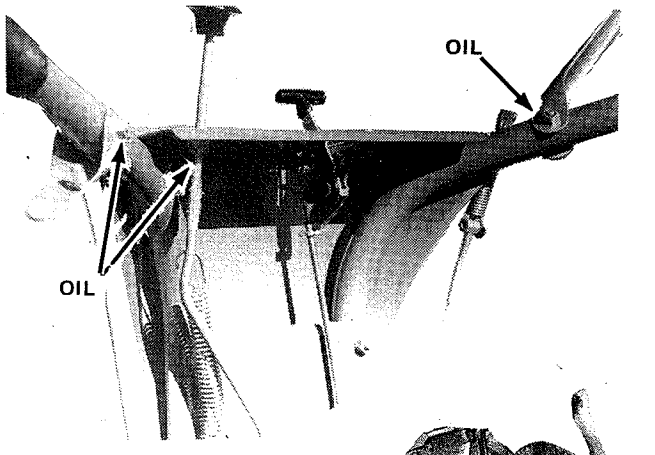
NOTE

The worm drive housing may become quite warm while operating. This is completely normal and no harm to gears will occur if the housing is kept filled as specified with the special Worm Gear Oil.

There is an Oilite bronze filter in the vent hole located at the rear of the worm drive housing. DO NOT REMOVE the filter for any reason.

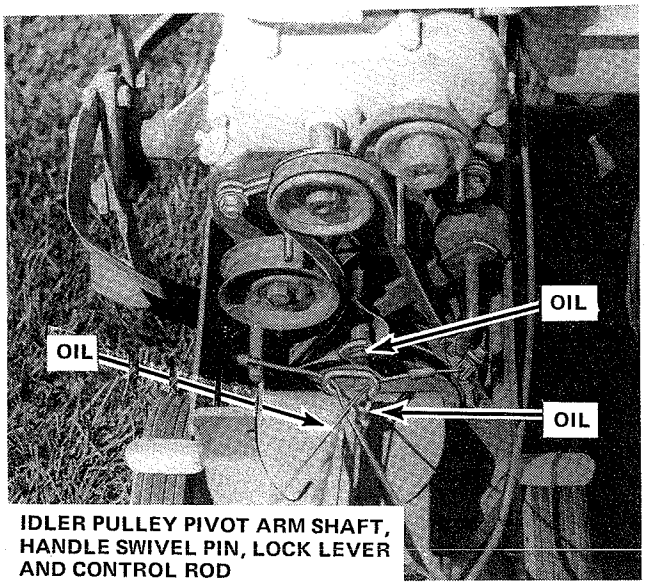
GENERAL LUBRICATION: Apply light motor oil occasionally at the points indicated to reduce wear and assure free movement. Be careful not to get oil on the drive belts. DO NOT oil wheel bearings which are self-lubricated. Additional oil collects dirt and causes extra wear.

Apply a light coat of grease or oil to the inside of the tine hubs and on the tine shaft to prevent rust.





CLUTCH LEVER PIVOT POINTS, TINE HUBS AND TINE SHAFT, HANDLE SWIVEL KNOB ROD



IDLER PULLEY PIVOT ARM SHAFT, HANDLE SWIVEL PIN, LOCK LEVER AND CONTROL ROD

GENERAL REPAIRS: To prevent rust, sand off and paint any parts or areas which become chipped or damaged. Tighten all bolts, nuts and fasteners securely.

OFF-SEASON STORAGE

1. Drain the fuel tank completely by running the engine until it stops. If desired, fuel can be stored in containers or in the tank by using STA-BIL brand gasoline stabilizer, available at your Simplicity dealer. Add a can capful to the fuel in the tank or follow the directions on the can for containers of other capacity. This additive prevents formation of gum and varnish for up to one year, providing easier starting and a clean fuel system.



2. Drain and refill crankcase while engine is warm.

3. Remove spark plug, pour 1 oz. 10W-30 oil into cylinder through plug hole. Crank engine a few times to distribute oil. Reinstall plug.

4. Clean dirt and chaff from cylinder head fins and engine housing.

SERVICE

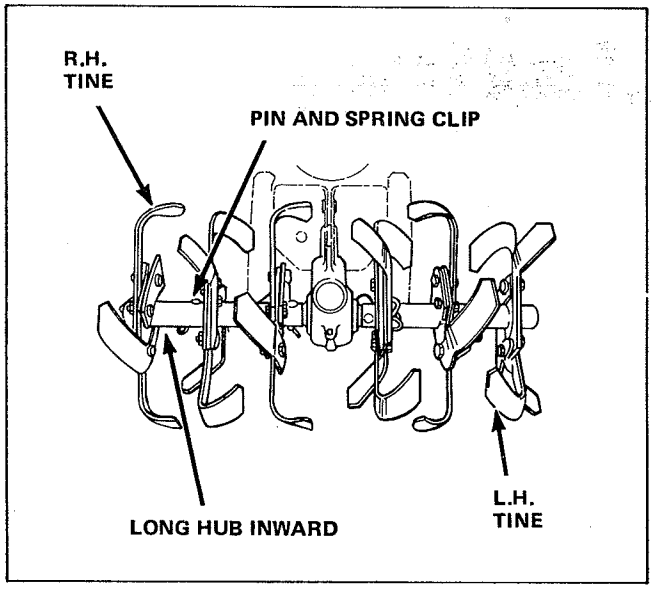
For replacement parts, engine service and machine maintenance, see your Simplicity dealer.

USE ONLY SIMPLICITY DRIVE BELTS AND REPLACEMENT PARTS.

ACCESSORIES

AVAILABLE FROM YOUR SIMPLICITY DEALER.

MFR'S. No. 212 - TINE EXTENSION SET. The set consists of a left hand and a right hand tine assembly with mounting pins and spring clips. Mount the long hub of each tine over the outside end of the standard tine assembly and install the pin and spring clip. Be sure that the sharpened edges of the tines on top face forward. This set increases the effective tilling width to 32-1/2 inches.

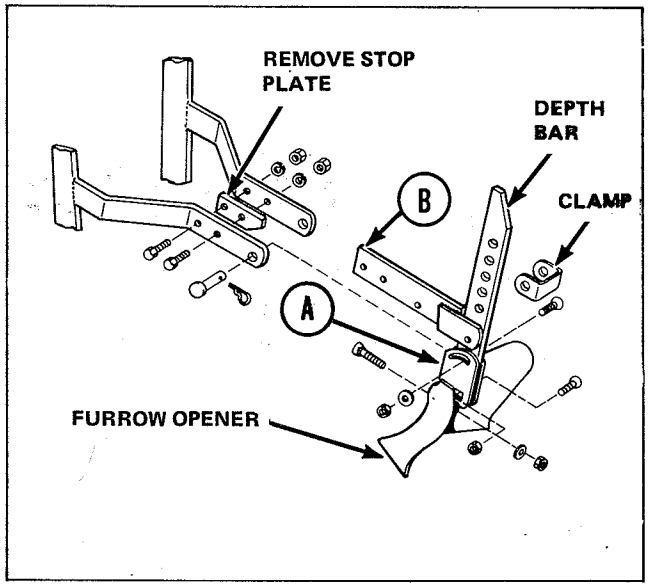


MFR'S. NO. 340 - 8 INCH FURROW OPENER The furrow opener is intended for digging furrows for crops which must be planted in rows. To install, proceed as follows:

1. Remove the depth bar, turn it upside down and bolt it to the tool holder (A) with the carriage bolts, washers and nuts provided.

2. Remove the stop plate from between the frame supports and install the extension support (B) with the old hardware.

3. Position the depth bar in the extension support and reinstall the depth bar clamp using the pin and spring clip provided. Bolt the furrow opener to the tool holder as shown.



MFR'S. NO. 281 - WORM GEAR OIL. Case of 12 cans of special Simplicity Worm Gear Oil for Roticuls.

SIMPLICITY'S NEW EQUIPMENT WARRANTY

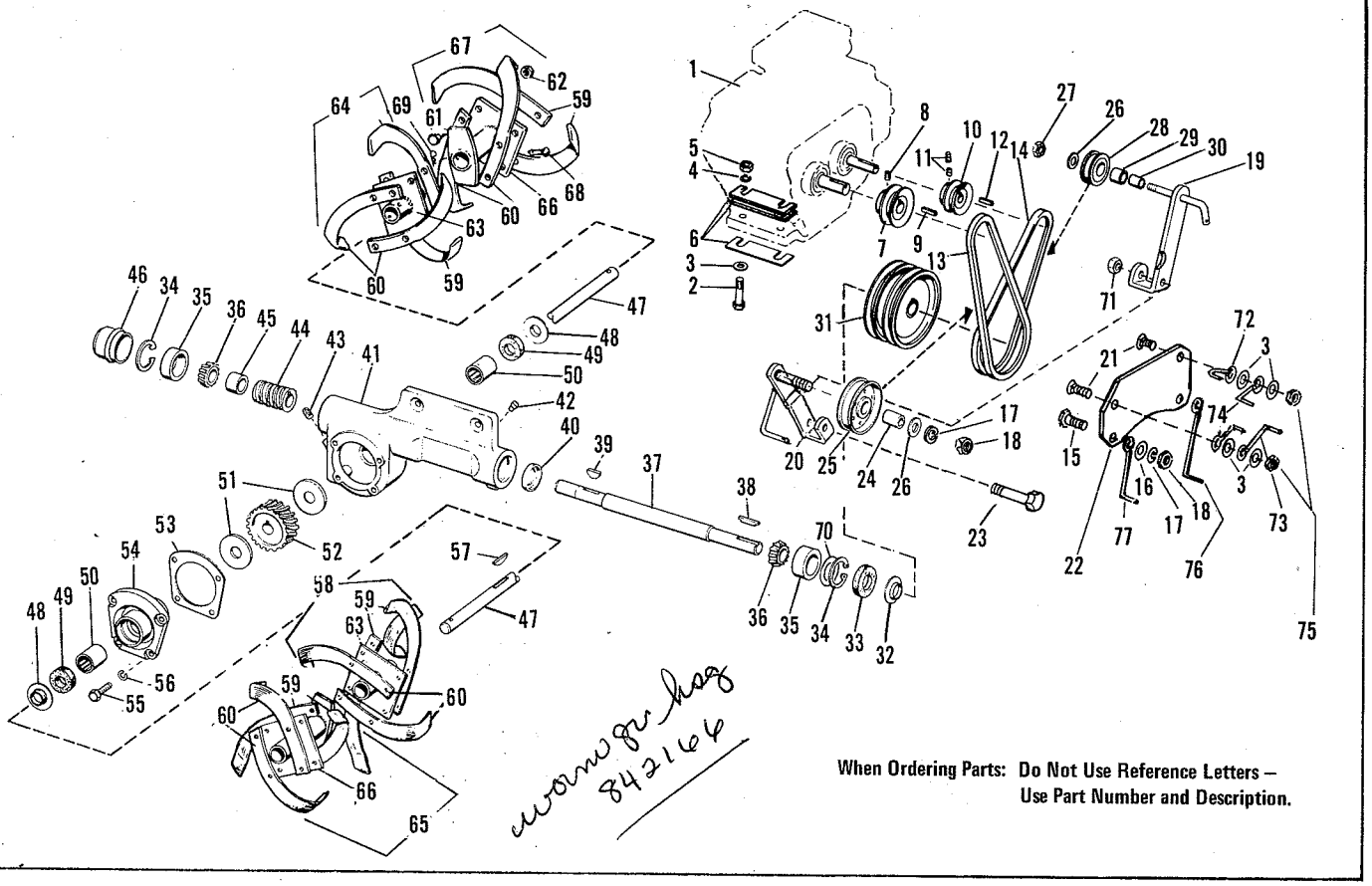
The Company warrants Simplicity products to be free from defects in material and workmanship, except the Company makes no warranty, express or implied, with respect to tires, engines, generators and voltage regulators, which are warranted by their respective manufacturers. Any part covered by this warranty which is proven defective within one year (45 days for equipment used for rental, municipal or commercial purposes) under normal use, from date of purchase, will be replaced without charge, provided such part is returned to the factory, (if requested), and is found to be defective upon examination at the factory. This warranty does not apply to any Simplicity products altered outside of the Simplicity factory. THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, PERFORMANCE, OR OTHERWISE. The Company's obligation under its warranty is strictly and exclusively limited to the replacement of such parts, and in no event shall the Company be liable for any other damages, whether direct, immediate, incidental, special, or consequential. Simplicity Manufacturing Company, Inc., reserves the right to modify or change specifications without prior notification. There are no warranties which extend beyond the description of any Simplicity product.

TINE WARRANTY

Simplicity Manufacturing Company warrants rotary tiller tines against breakage for the period not to exceed the normal life of the rotary tiller; and will replace broken tines directly to the customer at no charge; provided broken tines are returned prepaid to the Company's service department, Port Washington, Wisconsin.

Parts Listing

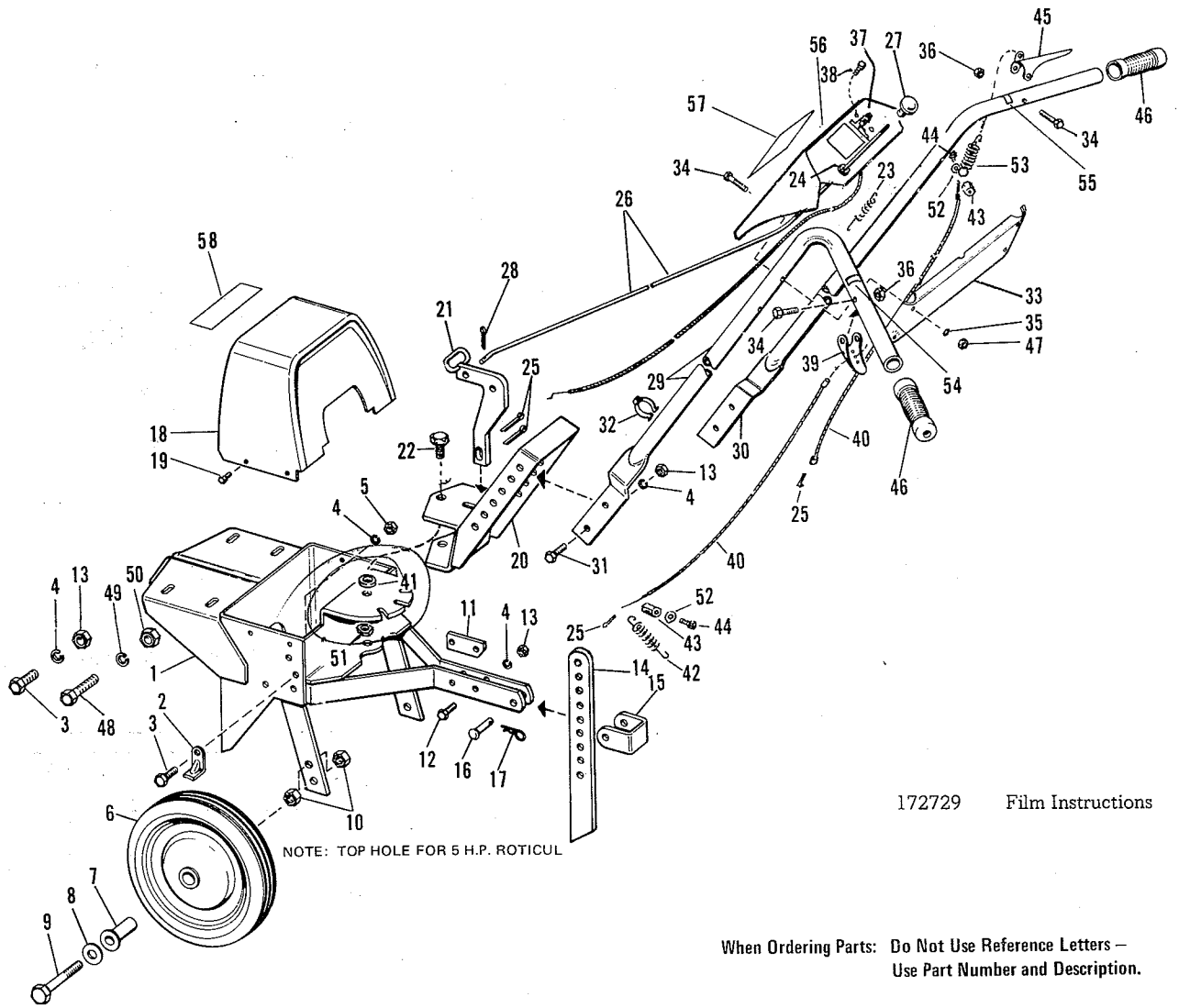
DRIVE and TINES



Ref. No.	Part No.	Description	Quan. Req.
1	118416	Engine	1
2	705020	Hex. Hd. Capscrew 5/16"- 18 N.C. x 2" lg.	4
3	719002	Plain Washer 5/16"	12
4	720001	Lock Washer 5/16"	4
5	717001	Hex. Nut Full 5/16"- 18	4
6	118463	Shim	6
7	118027	Pulley, Engine	1
8	713504	Set Screw 5/16"- 18 N.C. x 3/8" lg.	1
9	8221042	Key, Sq.	1
10	118457	Pulley Engine	1
11	713503	Set Screw 5/16"- 18 N.C. x 5/16" lg.	2
12	725007	Key	1
13	118494	Belt, "V" Reverse	1
14	164146	Belt "V" Forward	1
15	705005	Hex. Hd. Capscrew 3/8" - 18 N.C. x 1" lg.	2
16	719001	Plain Washer 3/8"	2
17	720002	Lock Washer 3/8"	3
18	717003	Hex. Nut, Full 3/8"- 16	3
19	118408	Lever Assembly-Idler	1
20	172751	Lever Assembly-Idler	1
21	703003	Carriage Bolt 3/8"- 16 x 1	2
22	172846	Plate	
23	171336	Pivot Bolt	1
24	118335	Spacer	1
25	154534	Pulley, Idler	1
26	719002	Plain Washer 5/16"	1
27	717524	Nut, Lock 3/8"- 16 N.C.	1
28	101002	Pulley, Idler Assembly	1
29	8161243	Bushing	1
30	8191020	Spacer	1
31	171987	Pulley, Driven	1
32	118400	Shield	1
33	118393	Oil Seal	1
34	118396	Snap Ring	2
35	154393	Cup, Bearing	2
36	154486	Bearing, Roller	2
37	170888	Shaft, Worm	1
38	118439	Key	1
39	725502	Key	1

Ref. No.	Part No.	Description	Quan. Req.
40	118399	Cup	1
41	118392	Housing, Worm Drive	1
42	118462	Plug, Vent	1
43	726003	Plug, Pipe 3/8"	1
44	118492	Worm, R.H.	1
45	118398	Spacer	1
46	154487	Cap, Hub	1
47	118021	Shaft, Worm Gear	1
48	118403	Shield	2
49	118118	Seal, Oil	2
50	118020	Bearing, Needle	2
51	118315	Washer, Thrust	2
52	118022	Gear, Worm, R.H.	1
53	118024	Gasket	1
54	118402	Cover	1
55	715018	Hex. Hd. Capscrew 1/4"-20 N.C. x 5/8" lg.	4
56	720003	Lock Washer 1/4"	4
57	725005	Woodruff Key	1
58	118083	Left Hand Inner Tine Assembly	1
59	8152001	Left Hand Tine Blade	8
60	8152002	Right Hand Tine Blade	8
61	706009	Hex. Capscrew, 7/16"- 20 x 1-1/4"	32
62	717512	Hex. Nut, Full, 7/16"- 20	32
63	118084	Inner Tine Plate Assembly	2
64	118120	Right Hand Inner Tine Blade Assembly	1
65	105288	Blade Assembly, Left Hand Tine	1
66	105286	Plate Assembly, Tine Extension	1
67	105289	Blade Assembly, Right Hand Tine	1
68	118053	Pin	4
69	722009	Pin, Cotter, 1/8" x 3/4"	4
70	170885	Backing Ring or 171762 Backing Ring	1
71	718033	Nut, Whiz-Lock	1
72	106347	Belt Stop	1
73	172844	Belt Stop	1
74	172845	Belt Stop	2
75	717510	Lock Nut 3/8"- 16	2
76	106707	Belt Stop	1
77	165044	Belt Stop	1

FRAME, HANDLES and CONTROLS



172729 Film Instructions

When Ordering Parts: Do Not Use Reference Letters – Use Part Number and Description.

Ref. No.	Part No.	Description	Quan. Req.
1	170886	Body Assembly	1
2	170360	Scraper	2
3	705004	Hex. Hd. Capscrew 3/8"-16 N.C. x 3/4" lg.	3
4	720002	Lock Washer 3/8"	7
5	717013	Hex. Nut, Full 3/8" - 16	2
6	118030	Wheel & Tire Assembly	2
7	118132	Bushing, Wheel	4
8	719004	Plain Washer 1/2"	2
9	705037	Hex. Hd. Capscrew 1/2"-13 N.C. x 301/4" lg.	2
10	717017	Hex. Jam Nut 1/2"- 13	4
11	118207	Stop Plate	1
12	705009	Hex. Hd. Capscrew 3/8"- 16 N.C. x 1-1/2" lg.	2
13	717003	Hex. Nut 3/8" - 16	9
14	118081	Bar-Depth	1
15	118447	Clamp	1
16	105249	Pin, Inner	1
17	8161045	Spring Clip	1
18	118445	Cover	1
19	715067	Screw Washer Hd. Thread Forming 1/4"-20	4
20	118428	Handle Support Assembly	1
21	118454	Latch Assembly	1
22	715006	Hex. Capscrew, 1/2-20 x 1-1/4" lg.	2
23	156302	Spring	1
24	118273	Bushing	1
25	722011	Cotter Pin 3/16" x 1"	4
26	172699	Latch Rod	1
27	118104	Knob, Latch Rod	1
28	722001	Cotter Pin 3/32" x 3/4"	1
29	176943	Handle, L.H.	1

Ref. No.	Part No.	Description	Quan. Req.
30	176942	Handle, R.H.	1
31	705005	Hex. Hd. Capscrew 3/8"- 16 x N.C. x 1" lg.	4
32	8061108	Clip, Cable	1
33	118298	Cover Handle Bar	1
34	705025	Hex. Hd. Capscrew 1/4"-20 N.C. x 1-1/2" lg.	6
35	720003	Lock Washer 1/4"	4
36	717513	Hex. Nut, Full Lock 1/4"- 20	2
37	172713	Throttle Control Assembly	1
38	714016	Self Tapping Screw, 1/4-20 x 1/2"	2
39	118449	Grip, Clutch-Reverse	1
40	172686	Cable	2
41	719004	Plain Washer, 1/2"	2
42	118495	Spring	1
43	161092	Clamp, Wire	2
44	713013	Set Screw No. 10-24 x 1/2"	2
45	118431	Grip, Clutch-Forward	1
46	106558	Grip, Handle Bar	2
47	717005	Hex. Nut Full, 1/4"- 20 N.C.	4
48	715011	Hex. Capscrew, 7/16"- 20 x 1-1/4" lg.	2
49	720006	Lockwasher, 7/16"	2
50	717009	Hex. Nut, Full, 7/16"- 20	2
51	717516	Hex. Nut, Full, Lock, 1/2-20	2
52	719010	No. 10 Plain Washer	2
53	121037	Spring	1
54	118485	Decal, Reverse	1
55	118484	Decal, Forward	1
56	118237	Control Housing	1
57	118482	Emblem "S"	1
58	155061	Decal, Simplicity	1