HOMELITE®

8H.P. TILLER

MFG. NO. 1600405 8 H.P. TILLER
TINE EXTENSION KIT MFG. NO. 1600406
FURROW OPENER MFG. NO. 1600373

OPERATOR'S MANUAL

FORM – 1651767
PRINTED IN U.S.A.
749

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CONGRATULATIONS!

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 PRECAUTIONS

Know the controls and how to stop quickly - **READ THE OWNER'S MANUAL.**

Do not allow children to operate the Roticul. Do not allow adults to operate it without proper instructions.

Clear the work area of objects which might be picked up and thrown.

Keep all nuts, bolts and screws tight to be sure equipment is in safe working condition.

Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.

Handle gasoline with care - it is highly flammable.

A. Use approved gasoline container.

B. Never remove cap or add gasoline to a running or hot engine or fill the fuel tank indoors. Wipe up spilled gasoline.

C. Open doors if the engine is run in a garage. Exhaust fumes are dangerous. Do not run engine indoors.

Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.

Allow the engine to cool before storing in any enclosure.

To reduce fire hazard keep the engine free of grass, leaves or excessive grease.

Release the clutch lever 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, expecially when operating in reverse.

ACCESSORIES

TINE EXTENSION SET (Mfg. No. 1600406)

See Figure 1. The extension set consists of a left and right tine assemblies with mounting pins and cotter pins. Mount long hub of extension over outside end of standard tine assembly and secure assemblies together with pin and cotter pin. Be sure sharpened edges of tines on top face forward. The extension set increases effective tilling width to 35 inches.

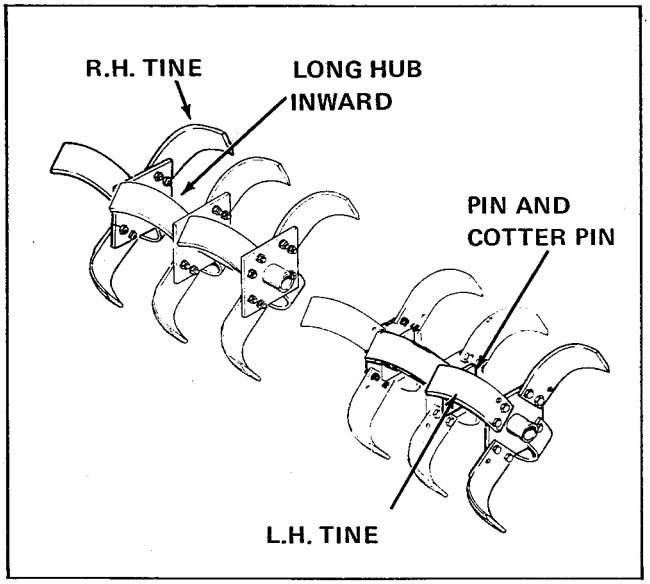


Figure 1.

FURROW OPENER, 8-INCH (Mfg. No. 1600373)

See Figure 2. 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 re-install the depth bar clamp using the pin and spring clip provided. Bolt the furrow opener to the tool holder as shown.

SPECIAL WORM GEAR OIL

CAUTION

Damage to the worm gear drive which results from use of any lubricant other than that specified, will invalidate the warranty. (See back cover for special Worm Gear Oil Part Number).

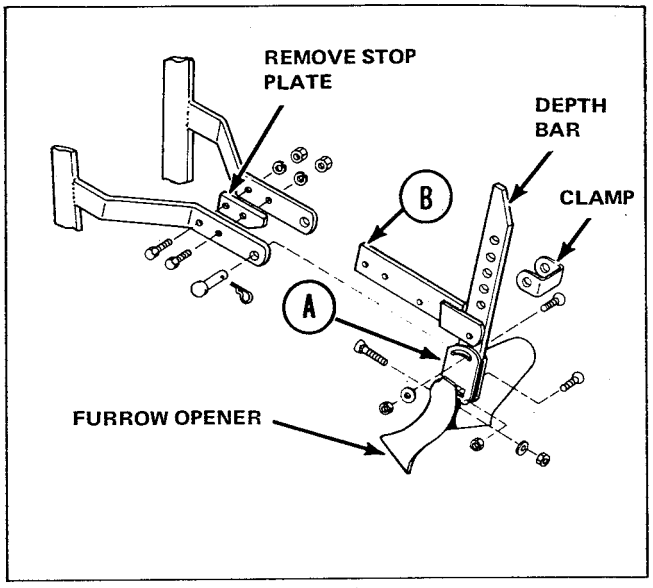


Figure 2.

ASSEMBLING

1. Remove all components of tiller from box and place them in a clean, level area. Inspect each part for damage.

2. Remove belt cover.

3. See Figure 3. Assemble left and right handles to frame as shown. Note locations of flat washers.

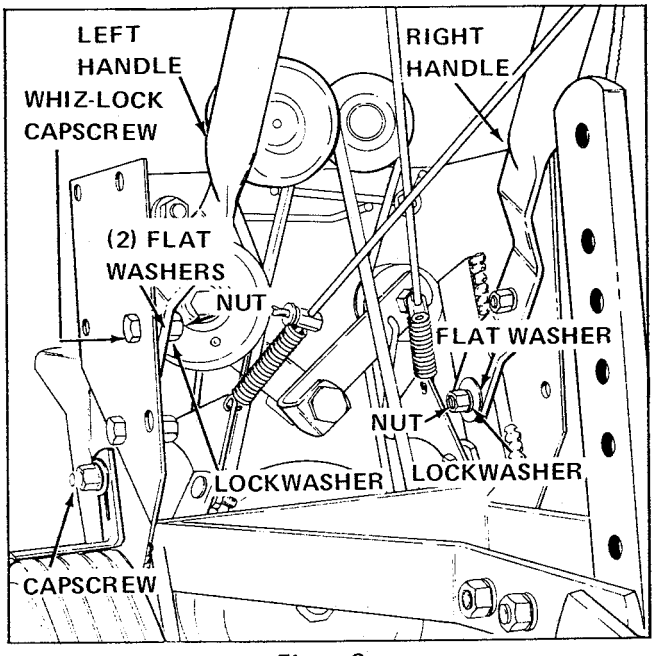


Figure 3.

4. Connect throttle cable as follows:

   a. See Figure 8. Move throttle control handle to FAST position. Be sure throttle cable wire is securely attached to throttle arm under control panel. From the throttle

arm, the throttle cable must be secured to the right handle with a clip. The cable must then pass outside the right side of the cover and through a engine cable clamp. Loosen engine cable clamp screw as required. See Figure 4.

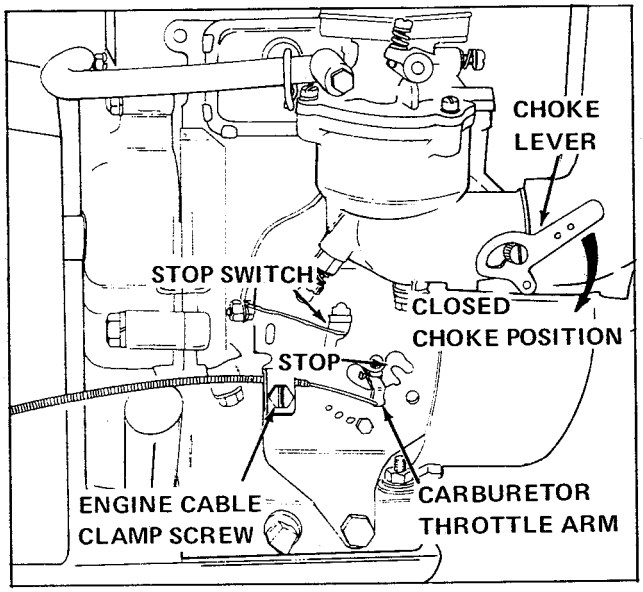


Figure 4.

b. See Figure 4. Insert loose wire end of throttle cable in carburetor throttle arm. Lever should be in forward position against stop in slot. Tighten engine cable clamp screw.

c. See Figure 8. Move throttle control handle to STOP position. Be sure stop switch opens. See Figure 4.

5. Install forward and reverse control rods as follows:

a. See Figure 5. Attach reverse and forward control rod springs to bellcranks.

b. See Figure 5. Slide reverse and forward control rods through wire clamps inside springs. Loosely secure rods in clamps with setscrews and flat washers. Hook loose end of springs on setscrews between flat washers and clamps.

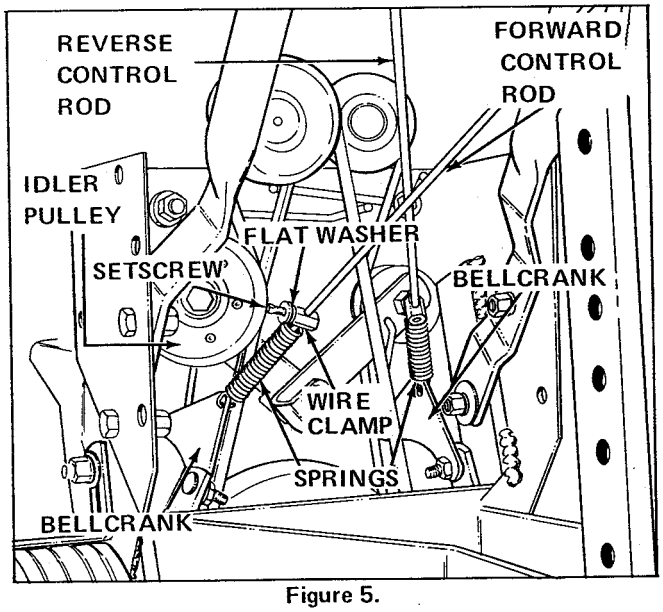


Figure 5.

c. See Figure 5. Adjust spring tension by loosening clamp setscrews and moving clamps on control rods. Idler pulleys should be 1/4-inch from frame when clutch disengaged (handle released). Belt stops should be 1/8-inch from belts when clutch engaged (handle compressed. See Adjustments section of this manual for clutch adjustment procedure.

d. Secure cover to frame with six self-tapping screws.

6. Install wheel assemblies as follows:

a. Tilt unit forward on engine.

b. See Figure 6. Secure each wheel assembly (bushing inward) to frame through lower holes in frame support with a 3-1/2-inch long shoulder bolt, lockwasher, and hex nut. Tighten hex nut.

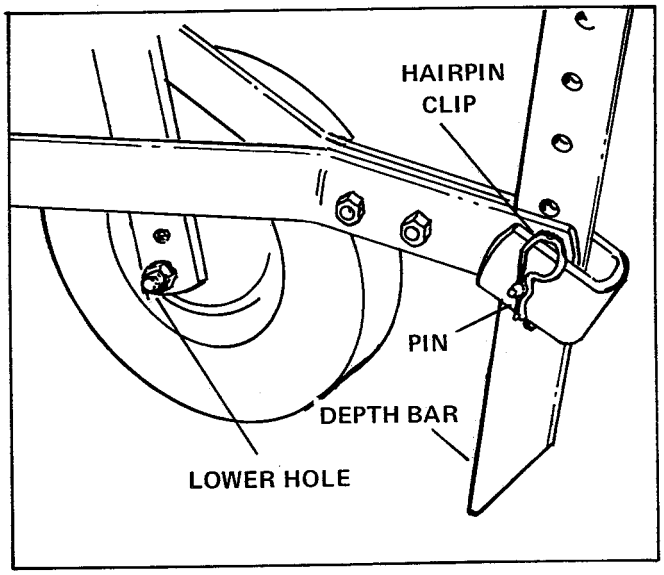


Figure 6.

7. See Figure 6. Secure depth bar and clamp to rear of frame with pin and hairpin clip. Digging tip of bar should be installed as shown.

NOTE: The depth bar setting determines the depth of tilling. To till 4 to 6 inches deep, install bar mounting pin in second or third hole from the top. The deeper depth bar is set into soil, the deeper tines will dig.

8. Loosen each wheel scraper nut and adjust scraper to clear wheel by 1/8-inch. Tighten scraper nut.

9. Depending upon what tilling width desired, install right and left tine blade assemblies as follows. Use a pin and hairpin clip for installation. See Figure 7 for right inner, outer and extension tine installation.

TILLING WIDTH (INCHES)	TINES USED
8-3/4	*switched left and right inner
12-7/8	left and right inner
19-3/8	left and right inner *switched left and right outer
** 23-1/2	left and right inner left and right outer
35	left and right inner left and right outer left and right extension

*Switched denotes moving normal left or right blade assembly to opposite side. Be sure sharpened edges face forward.
**Standard tine arrangement.

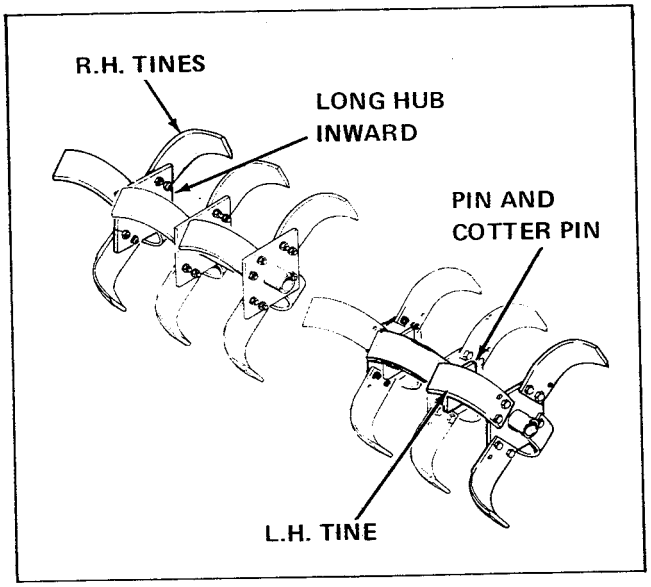


Figure 7.

OPERATION

PREPARING

1. Controls

See Figure 8. Familiarize yourself with the following controls:

a. THROTTLE LEVER. Used to adjust ground speed or to stop engine. See Figure 8 for throttle lever positioning.

b. FORWARD AND REVERSE CLUTCH LEVERS. Used to control forward or reverse action of the tiller. Squeeze desired lever to engage and release to stop.

CAUTION

Never grip both forward and reverse clutch levers at the same time.

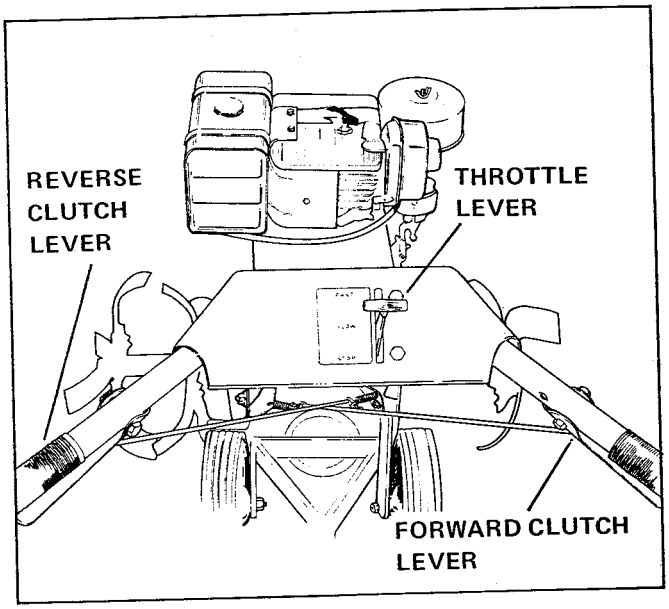


Figure 8.

2. Engine

a. MANUALS. Read the engine owner's manual and this operator's manual thoroughly.

b. FUEL. See Figure 9. Have available sufficient quantities of clean, fresh (leaded or non-leaded), "regular" automotive gasoline. Remove fuel tank cap and fill tank completely. Fuel capacity is 4 quarts.

DO NOT MIX OIL WITH GASOLINE.

WARNING

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 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 a gasoline stabilizer. See Off-Season Storage section of this manual.

c. OIL. See Figure 9. Have available sufficient quantities of engine crankcase oil, SAE 30 grade MS. Remove dirt around engine filler plug. Remove engine filler plug by turning counter-clockwise. Fill with oil until level with top of neck. Crankcase capacity is 2-3/4 pints. Reinstall filler plug securely. Check oil everytime fuel is added.

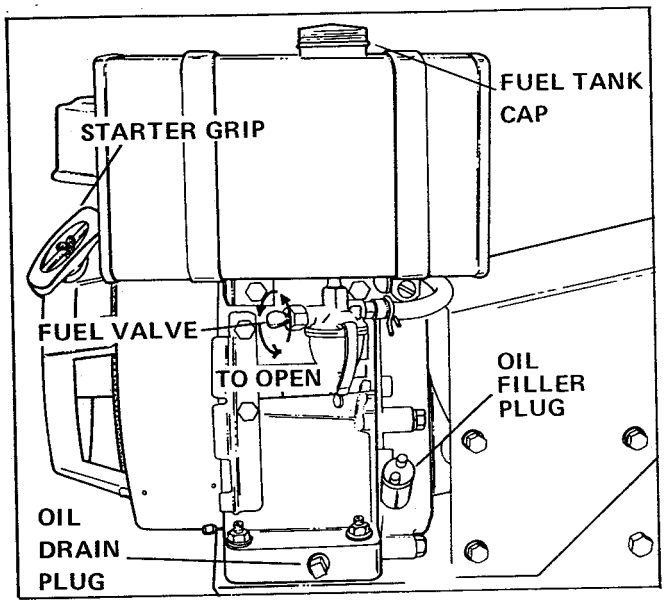


Figure 9.

3. Depth Bar

See Adjustments section of this manual.

4. Wheels and Scraper.

See Figure 6. Be sure wheels are mounted in the LOWER holes of the frame support. If required, adjust wheel scraper 1/8-inch above tire.

5. Tines

Be sure tines are installed securely with pin and cotter pin Sharpened edges at the top must face forward. See Assembly section of this manual for tine installation.

OPERATING

1. Starting

a. See Figure 8. Move throttle lever halfway between SLOW and FAST position.
b. See Figure 4. Move choke lever to full CHOKE position. If engine warm, use half choke. Choke arm should be at right angles to exhaust tubing when in CLOSED CHOKE position and parallel to tubing when in OPEN CHOKE position.
c. See Figure 9. Be sure fuel valve is open.
d. To start engine, grasp starter grip (See Figure 9) firmly in right hand and pull sharply straight out. Always return grip by hand. Do not release the grip with rope extended. Repeat if necessary with choke open slightly (See Figure 4.) When engine starts, open choke gradually.
e. If engine fails to start after four or five pulls, it may be flooded. Return choke to OPEN position and pull out grip several times to clear excess fuel.
f. If engine still fails to start, check fuel supply and spark plug connections. Be sure engine stop switch is closed (See Figure 4).

2. Operating

a. When operating the tiller for the first time, proceed slowly and carefully to get the feel of the unit. Experience will determine pressure and depth bar setting for the operator.
b. 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 desireable to cross till an area at shallow depth at first, then till in the direction of planting rows on the second pass at the final depth. Use reverse for working in tight areas and to dislodge any rocks which may be caught between the tines and worm gear housing.
c. Do not attempt to hold tiller back to cause the tines to dig. Rather, adjust the depth bar so it will hold the tiller back for you. When the tines have dug deep enough in an area, raise up slightly on handles and the tiller will move ahead. To stop the forward motion of the tiller, put slight down pressure on the handles and the depth bar will hold the tiller in place.

d. A furrow opener shovel is available for use in digging furrows for crops which are planted in rows, such as potatoes. See Accessories section of this manual.

3. Stopping

a. Move the throttle lever (See Figure 8) to the STOP position. The stop switch (See Figure 4) should open, stopping the engine.
b. If the tiller has been operating under full load, allow engine to idle for a minute to reduce engine temperature. Stopping a hot engine suddenly may damage engine parts.

ADJUSTMENTS

BELT STOPS

All belt stops should be 1/8-inch from belts when clutch engaged (handle compressed). To adjust, remove belt cover, loosen stop mounting bolt, squeeze one clutch lever and then the other, adjusting belt stop (s) as indicated in Figure 10. Tighten belt stop mounting bolt and replace cover.

NOTE: If tines will not stop turning after clutch lever is released, belt stops may be too far from belts and not braking belt as required when clutch handle released.

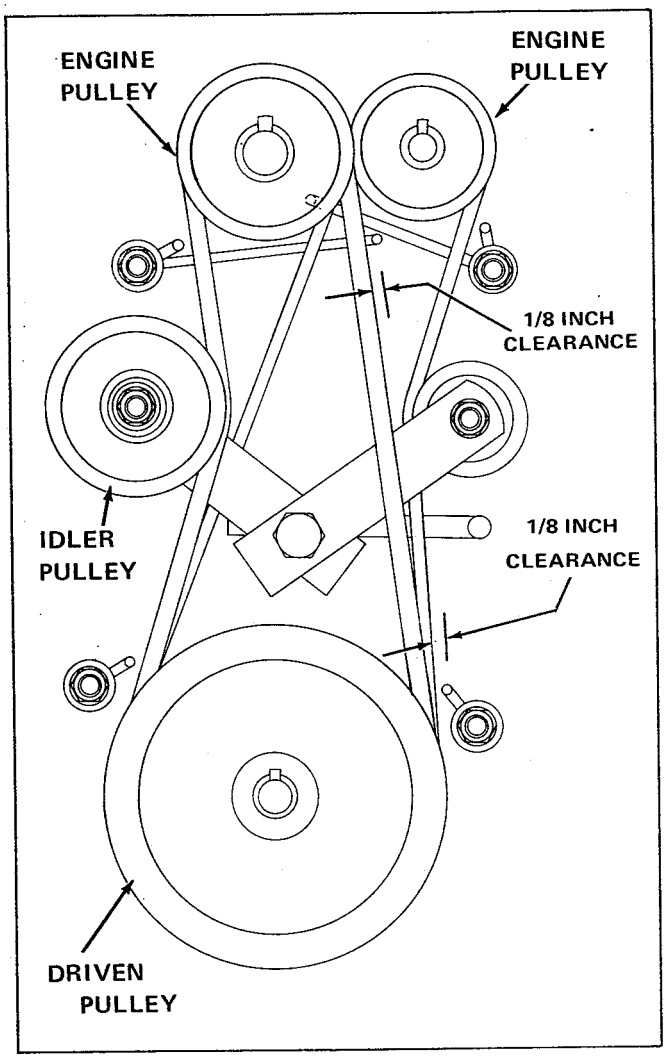


Figure 10

CLUTCH

1. When clutch disengaged (handle released), idler pulleys should be no closer than 1/4-inch from frame and all belt stops must be firmly gripping the drive belts.

2. When clutch engaged (handle compressed), idler pulley must press in on belt enough to remove belt from contact with belt stops. Approximately 1/8-inch clearance between belt stop and belt should be maintained. See Belt Stop Adjustment.

3. See Figure 5. If clutch does not operate as described above in steps 1 and 2, loosen wire clamp setscrew and adjust wire clamp on forward or reverse control rod to obtain required spring tension.

SCRAPERS

Loosen scraper mounting nut and adjust scraper in its slot to 1/8-inch clearance above wheels. Tighten nut when adjustment completed.

DEPTH BAR

See Figure 6. 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. Pull out the hairpin clip 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.

CARBURETOR

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude and load. See your engine owner's manual for adjustment procedures.

PULLEY ALIGNMENT

See Figure 10. Visually check alignment of engine, idler, and driven pulleys. Pulleys must be aligned as closely as possible or belts will be stretched and worn excessively. Loosen engine and/or driven pulley setscrews and align pulleys. Tighten setscrews securely.

MAINTENANCE

Read the engine owner's manual thoroughly.

AFTER EACH USE

Grass, dirt, or chaff may clog engine cylinder head fins and blower housing. Check for clogged condition and if necessary remove blower housing and clean.

CAUTION

Continued operation with a clogged cooling system causes severe overheating and possible engine damage.

FIRST 5 HOURS OF OPERATION

See Figure 9. Change engine oil as follows:

a. Run engine for a few minutes to warm engine oil.
b. Remove oil drain plug and allow oil to completely drain from engine.
c. Replace oil drain plug securely.
d. Remove dirt around engine oil filler plug.
e. Remove engine oil filler plug by turning counterclockwise.
f. Fill with SAE 30 grade MS oil until level with top of neck. Crankcase capacity is 2-3/4 pints.
g. Reinstall engine oil filler plug securely.

EVERY 5 HOURS OF OPERATION

See Figure 11. Check and add worm drive housing gear oil as follows:

a. Remove worm gear housing oil filler plug.

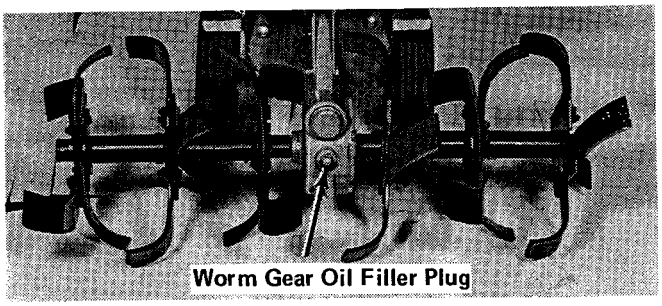


Figure 11.

CAUTION

There is a filter in a vent hole located at rear of worm drive housing. Do not remove this filter for any reason.

b. Oil level should be level with plug hole when tines are resting on ground.
c. If oil is required, tip tiller back until handles rest on ground. Add a small amount of special worm gear oil (See Back Cover for part number) through plug hole and slowly lower tiller until tines rest on ground. Oil should be level with plug hole, if not, repeat procedure. Do not overfill.

CAUTION

Damage to the worm gear drive which results from use of any other lubricant than that specified on back cover, will automatically invalidate the warranty.

d. Tighten filler plug securely.

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.

EVERY 25 HOURS OF OPERATION

1. Change engine oil. Refer to change procedure in FIRST 5 HOURS OF OPERATION.

2. See Figure 12. Clean air cleaner and re-oil element. The capacity of the oil-foam air cleaner is adequate for a normal full season's use without cleaning. However, under extremely dusty conditions clean every few hours. Clean air cleaner as follows;

a. Remove wing nut and cover.
b. Lift off foam element from base.
c. Push down foam element as shown and pull out air cleaner cup.
d. Wash foam element in kerosene or liquid detergent and water.
e. Wrap foam in cloth and squeeze dry.
f. Saturate foam in engine oil. Squeeze to remove excess oil.
g. Put air cleaner cup inside element. Be sure sealing lip is over top and bottom ends of cup.
h. Re-assemble air cleaner parts as shown. Screw wing nut down securely.

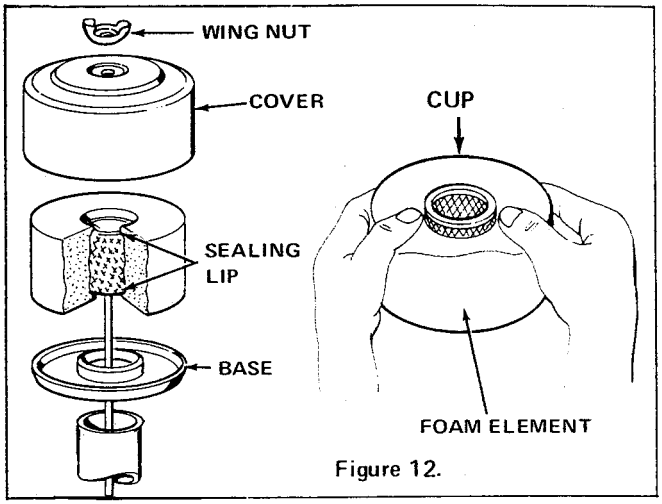


Figure 12.

EVERY 100 HOURS OF OPERATION

Clean and reset spark plug gap at 0.030 of an inch. Plug should be cleaned by scraping or wire brushing and washing with a commercial solvent or gasoline. Grease the plug threads before re-installing.

EVERY 200 HOURS OF OPERATION

See Figure 13. Clean fuel filter screen and bowl as follows:

WARNING

Do not remove fuel lines from fuel filter when engine is hot.

1. Close fuel shutoff valve, loosen yoke, and remove bowl, gasket, and screen.

2. Disgard gasket and replace it with new one.

3. Clean screen and bowl.

4. Using new gasket, assemble in reverse order of disassembly. Be sure yoke is secure. Open fuel shutoff valve.

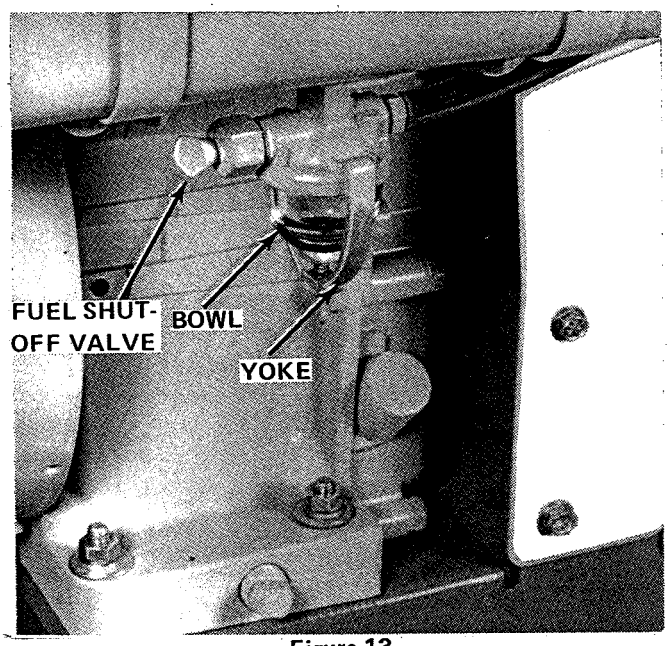


Figure 13.

LUBRICATION

1. See Figure 14. To reduce wear and assure free movement of controls and tines, apply light motor oil occasionally at points indicated. Be careful not to get oil on drive belts. Use only small quantities of oil. Excess oil collects dirt and causes extra wear.

DO NOT OIL SELF–LUBRICATED WHEEL BEARINGS.

2. See Figure 15. Apply a light coat of grease or oil to inside of tine hubs and on tine shaft to prevent rust.

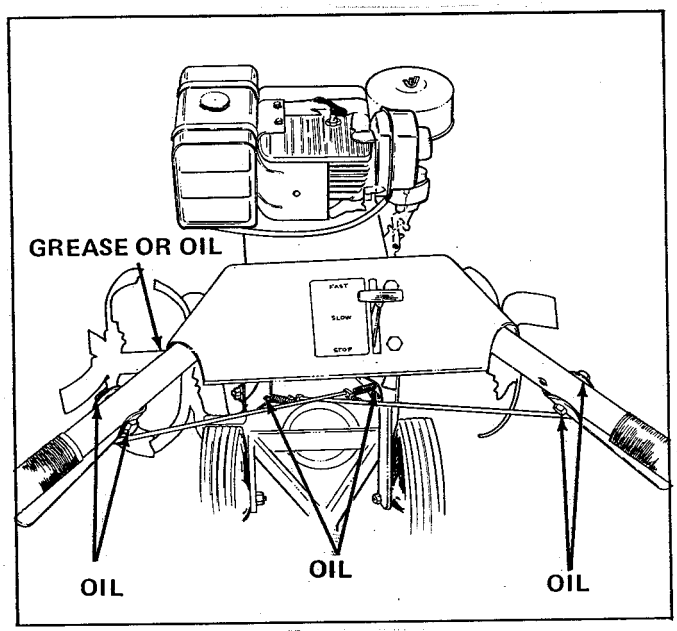


Figure 14.

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

If tiller is to be stored over 30 days proceed as follows:

1. Clean fuel screen and bowl. See Maintenance section of this manual.

2. Drain fuel tank and lines by placing suitable container under fuel shutoff valve and opening valve. Store gasoline in container using a gasoline stabilizer or additive. This additive can also be added to tanks instead of draining. This additive prevents formation of gum and varnish for up to one year.

3. Operate engine until gasoline in carburetor is completely consumed.

4. While engine is still warm, drain oil from crankcase. See Maintenance section of this manual. Refill with fresh oil.

5. Remove spark plug, pour one ounce (2 or 3 tablespoons) of SAE-30 oil into cylinder and crank slowly to distribute oil. Replace spark plug.

6. Clean dirt and chaff from cylinder head fins and blower housing.

TROUBLESHOOTING

IF ENGINE FAILS TO START

1. Fuel tank may be empty. See Figure 9.

2. Throttle lever is not set halfway between SLOW and FAST position. See Figure 8.

3. Spark plug is not securely connected.

4. Choke lever is not in CLOSED CHOKE position or in OPEN CHOKE position, if engine appears to be flooded. See Figure 4. To clear a flooded engine, move choke lever up to OPEN CHOKE position and pull starter rope several times.

IF BELT SLIPPAGE OCCURS

1. Belts may be stretched or worn excessively. Replace belts.

2. Belts may be greasy or oils. If so, use cleaning fluid on a rag to clean.

3. Pulleys may be misaligned. Refer to Pulley Alignment in Adjustments section of this manual.

4. Belt tension may be too loose. Refer to Clutch in Adjustments section of this manual.

SPECIFICATIONS

ENGINE

Make	Briggs and Stratton
Model No.	190492
Type	0794-1
Cycles	4
Cylinders	1
Bore	3 Inches
Stroke	2-3/4 Inches
Displacement	19.44 Cu. In.
Crankshaft Plane	Horizontal
Starter	Manual, Easy spin
Choke	Manual
Governor	Adjustable Mechanical
Ignition	Magneto
Lubrication	Gear impeller system
Crankcase Capacity	2-3/4 pints
Fuel Capacity	4 Quarts
Air Cleaner	Sealed Joing Housing, Reusable Oiled Foam Element
Muffler	Lo-Tone, Side Discharge

TRANSMISSION

Type	Worm and Gear
Material	Worm - Carburized Steel;Gear-Bronze
Bearings	Needle and Tapered Anti-Friction
Seals	Double Lip - Dirt Excluding
Lubrication	Special Worm gear oil
Housing	Cast Iron
Clutch	Hand Tensioning Belt Idler - Reverse and Forward

TINES	
Type	Slashing, Self-sharpening
Material	Forged, High-Carbon Steel
Tilling Width	23-1/2 In. Standard, 35 In. With Tine Extensions
Tilling Depth	0 to 8 Inches, Adjustable
Attachments	To shaft - Bolted
Depth Bar	Adjustable - 10 heights
Speed	116 RPM at Full Engine Speed
DEPTH BAR	
Attachment	Pin and Spring Clip
Adjustment	0 to 8 Inches Tilling Depth
CONTROLS	
Location	Forward Clutch - Right Handle, Reverse Clutch - Left Handle Throttle - Center Rewind Starter and Choke - On Engine
CHASSIS	
Frame	Heavy Duty, Electrically Welded with Cross Bracing
Tires	2.75 x 10 Heavy Duty, Semi-Pneumatic
Wheel Bearings	Solid, Sintered Iron
OVERALL DIMENSIONS	
Length	53 Inches
Width	26 Inches (Without Tine Extensions)
Height	36 Inches (To top of handle)
Weight	164 Lbs. (net) 178 Lbs. (shipping)

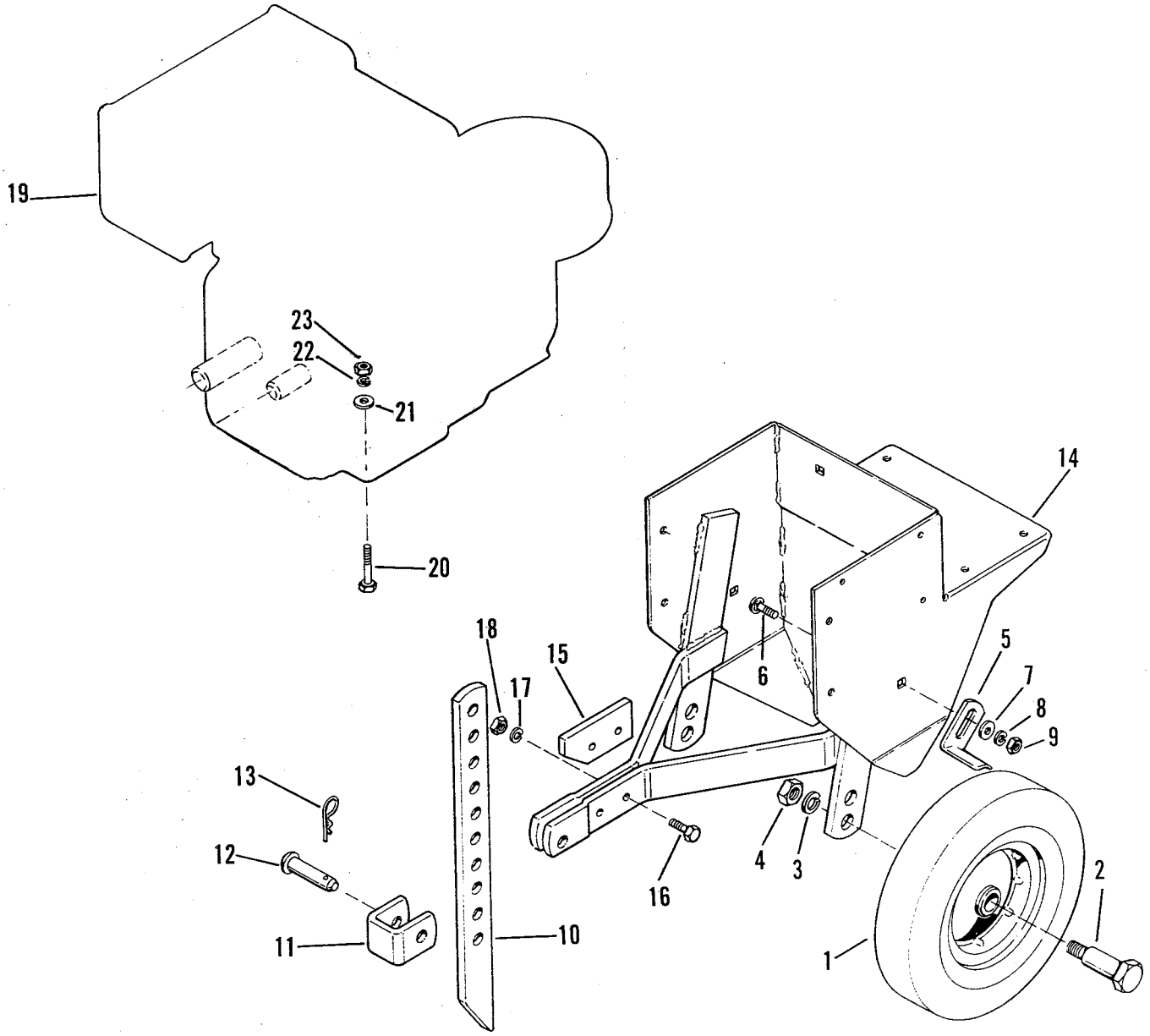
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

PULLEY AND CONTROL GROUP

Ref. No.	Part No.	Qty.	Description
1	175964	1	PULLEY, Driven
2	118439	1	Key
3	176328	1	PULLEY
4	172668	1	KEY
5	118458	1	PULLEY
6	910224	1	KEY, Woodruff, 5/32 x 5/8
7	911712	2	SETSCREW, 5/16 -18 x 5/16 lg.
8	1609352	1	LEVER, Idler
9	154534	1	PULLEY, Idler
10	118335	1	SPACER
11	921971	1	CAPSCREW, Hex, 3/8, -16 x 1-3/4
12	917642	2	WASHER, Flat, 5/16
13	916965	2	LOCKWASHER, 3/8
14	916950	2	NUT, full hex, 3/8-16
15	1609352	1	LEVER, Idler pulley
16	118414	1	PULLEY, Idler
17	174870	1	SPACER
18	921969	1	CAPSCREW, Hex, 3/8-16 x 1-1/2" lg.
19	1609295	2	BELLCRANK
20	171336	1	BOLT, Pivot
21	923362	1	LOCKNUT, Full hex, 5/16 - 18
22	121073	1	STOP, Belt
23	106707	1	STOP, Belt
24	106346	3	STOP, Belt
25	106347	1	STOP, Belt
26	922249	2	BOLT, Carriage, 3/8 -16 x 1-1/4 " lg.
27	917642	6	WASHER, Flat, 5/16
28	916965	8	LOCKWASHER, 3/8
29	916950	4	NUT, Full Hex, 3/8 - 16
30	922249	2	BOLT, Carriage, 3/8"- 16 x 1" lg.
31	176393	1	BELT, "V" (reverse)
32	176917	1	BELT, "V" (forward)

Ref. No.	Part No.	Qty.	Description
33	929001	2	LOCKNUT, Flange
34	1609299	2	ROD, Link
35	923360	4	PIN, Cotter, 1/16 x 3/4
36	1609378	2	ROD, Control
37	161092	2	CLAMP, Wire
38	928722	2	SETSCREW, Sq. Hd., 10-24 x 5/8
39	118495	2	SPRING
40	1609354	1	HANDLE, Left
41	1609344	1	HANDLE, Right
42	922611	4	WASHER, Flat, 13/32 x 1-1/4
43	916950	4	NUT, Hex, 3/8-16
44	928728	2	SCREW, Hex, whiz-lock flg, 3/8-16 x 1
45	930579	2	CAPSCREW, Hex, 3/8 - 16 x 1-1/4
46	106558	2	GRIP
47	118237	1	CONTROL HOUSING ASSY.
48	118298	1	COVER, Upper handle
49	918240	4	CAPSCREW, Hex, 1/4-20 x 1-1/2
50	916964	4	LOCKWASHER, 1/4
51	916622	4	NUT, Hex, 1/4-20
52	1609383	1	CONTROL ASSY.,Throttle
53	925003	2	SCREW, washer head, hex, 1/4-20 x 1/2
54	1605216	1	CLIP, Cable
55	164191	1	PLUG, Button
56	1609343	1	COVER, Belt
57	927428	6	SCREW, Self-tapping, 1/4 -20 x 3/8
58	1609300	2	GRIP, Clutch
59	918240	2	CAPSCREW, Hex, 1/4-20 x 1-1/2
60	923358	2	LOCKNUT, Hex, 1/4-20

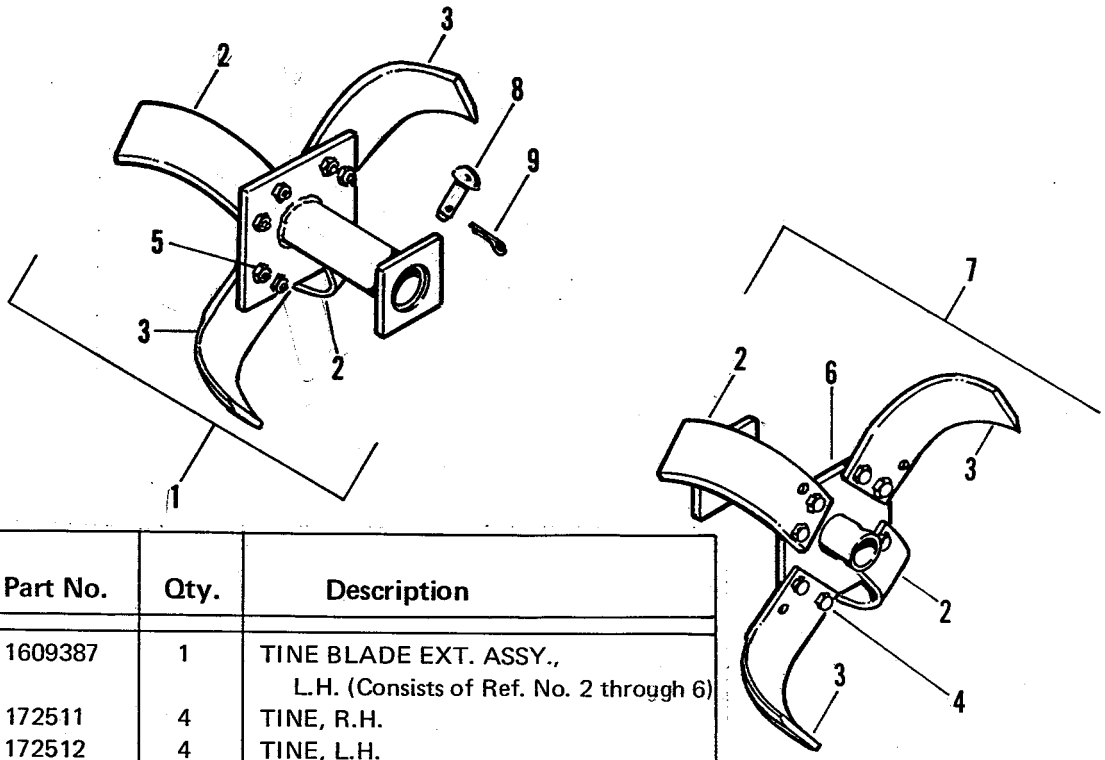
FRAME & WHEELS



Ref. No.	Part No.	Qty.	Description
1	177124	2	WHEEL & TIRE ASSY.
2	176196	2	BOLT, Shoulder
3	916966	2	LOCKWASHER, 1/2
4	916951	2	NUT, full hex, 1/2"-13
5	176364	2	SCRAPER
6	922249	2	BOLT, Carriage, 3/8"-16 x 1" lg.
7	917642	2	WASHER, Flat, 5/16"
8	916965	2	LOCKWASHER, 3/8"
9	916950	2	NUT, hex, 3/8"-16
10	118081	1	BAR, Depth
11	118371	1	CLAMP
12	105249	1	PIN

Ref. No.	Part No.	Qty.	Description
13	918196	1	CLIP, Hairpin
14	1609342	1	FRAME ASSEMBLY
15	118207	1	PLATE, Stop
16	919360	2	CAPSCREW, Hex, 3/8"-16 x 1" lg.
17	916965	2	LOCKWASHER, 3/8"
18	916950	2	NUT, full hex, 3/8"-16
19	177123	1	ENGINE, 8 H.P.
20	917398	4	CAPSCREW, Hex, 5/16-18 x 1-3/4" lg.
21	917642	4	WASHER, Flat, 5/16"
22	917356	4	LOCKWASHER, 5/16"
23	917372	4	NUT, full hex, 5/16"-18

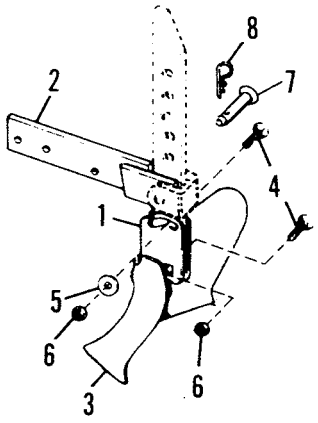
8 H.P. TILLER
MFG. NO. 1600406
TINE EXTENSION KIT



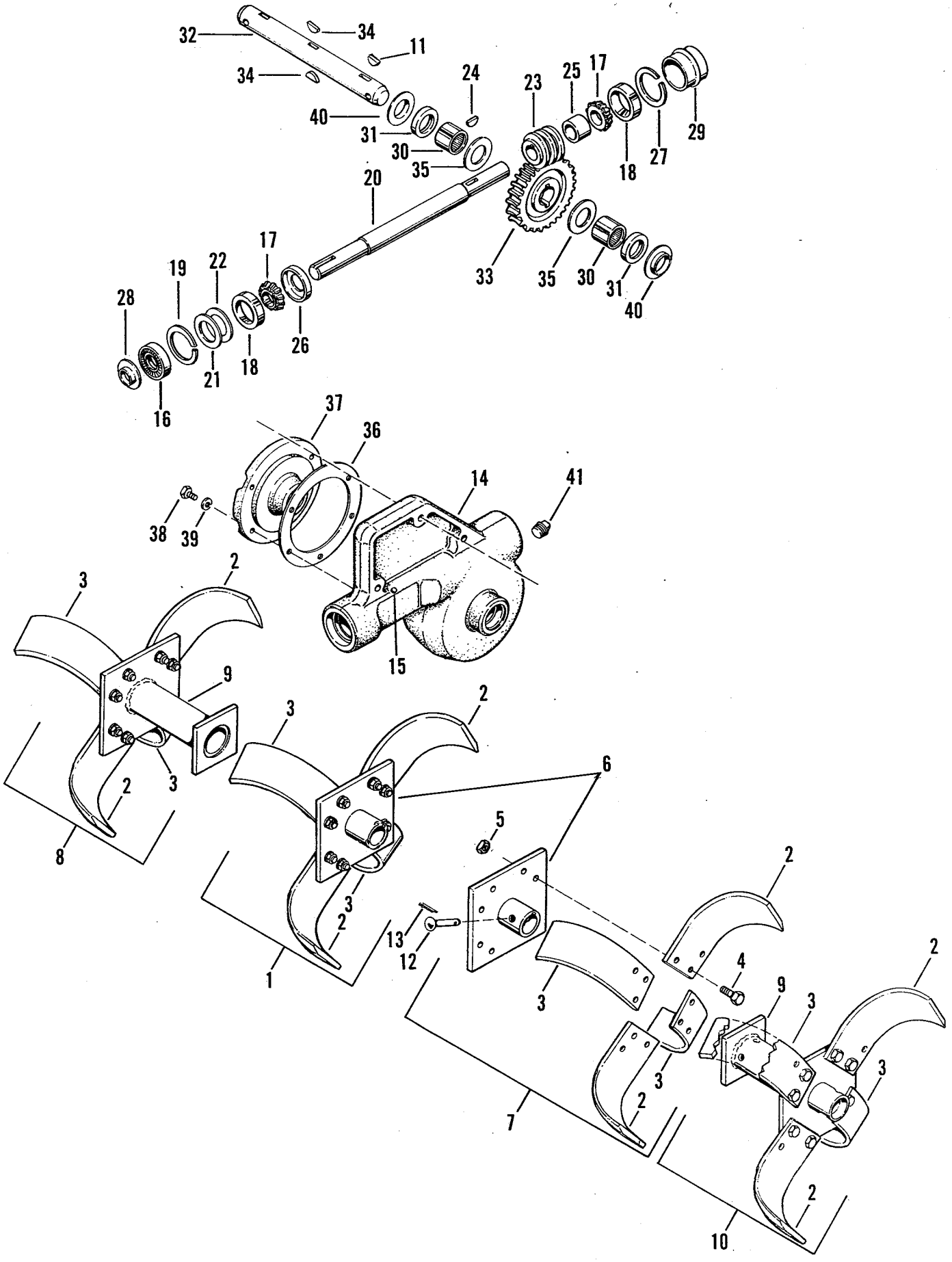
Ref. No.	Part No.	Qty.	Description
1	1609387	1	TINE BLADE EXT. ASSY., L.H. (Consists of Ref. No. 2 through 6)
2	172511	4	TINE, R.H.
3	172512	4	TINE, L.H.
4	925204	16	CAPSCREW, Hex, 3/8" -16 x 1/2
5	923428	16	LOCKNUT, Hex, 3/8-16
6	1609386	2	TINE PLATE EXT. ASSY., Outer
7	1609388	1	TINE BLADE EXT. ASSY., R.H. Consists of Ref. no. 2 through 6
8	118053	2	PIN
9	918451	2	PIN, Cotter, 1/8 x 3/4

8 H.P. TILLER
MFG. NO. 1600373
FURROW OPENER

Ref. No.	Part No.	Qty.	Description
1	8271503	1	TOOL HOLDER ASSY.
2	118287	1	SUPPORT ASSEMBLY
3	103010	1	OPENER, Furrow, 8-Inch
4	922109	2	BOLT, 3/8-16 x 1-1/4
5	917378	1	WASHER, Flat, 3/8
6	916950	2	NUT, Hex, 3/8
7	118053	1	PIN
8	918196	1	CLIP, Hairpin



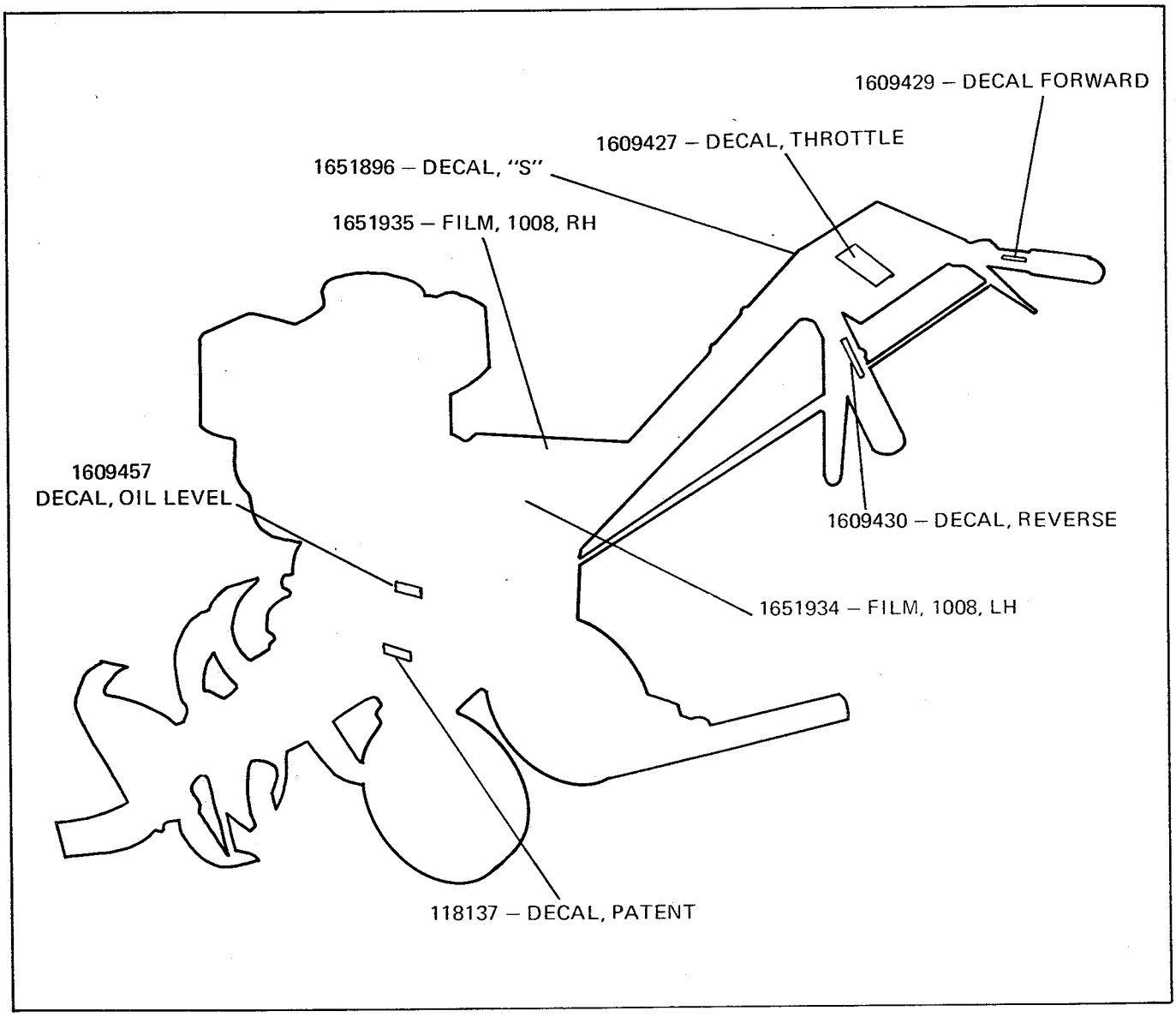
DRIVE AND TINE GROUP



DRIVE & TINE GROUP

Ref. No.	Part No.	Qty.	Description
1	176466	1	BLADE ASSY., L.H. inter, (consists of ref Nos. 2 through 6)
2	172511	8	TINE, R.H.
3	172512	8	TINE, L.H.
4	925204	32	CAPSCREW, Hex, 3/8"-16 x 1/2, gr 5
5	923428	32	NUT, full hex, centerlock
6	176225	2	PLATE ASSY., Inner Tine
7	176467	1	TINE BLADE ASSY., R.H. inner (consists of ref. no. 2 through 6)
8	1609387	1	TINE BLADE EXT. ASSY., L.H. (consists of ref no. 2 through 6)
9	1609386	2	TINE PLATE EXT ASSY., Outer
10	1609388	1	TINE BLADE EXT. ASSY., R.H. (consists of ref no. 2 through 6)
11	917755	2	KEY, woodruff, 1/4 x 3/4
12	118053	2	PIN
13	918451	2	PIN, Cotter, 1/8 x 3/4
14	175871	1	HOUSING, Worm Drive
15	118462	1	PLUG, Vent
16	118393	1	SEAL, Oil
17	154486	2	CONE, Bearing
18	154393	2	CUP, Bearing
19	118396	1	RING, Retaining
20	170888	1	SHAFT, Worm
21	170885	1	RING, Backing
22	171762	1	RING, Backing
23	176013	1	WORM., R.H.
24	911171	1	KEY
25	118398	1	SPACER
26	118399	1	CUP
27	118396	1	RING, Retaining
28	118400	1	SHIELD
29	154487	1	CAP, Hub
30	118020	2	BEARING, Needle
31	118118	2	SEAL, Oil
32	176724	1	SHAFT, Worm Gear
33	176011	1	GEAR, Worm R.H.
34	930246	2	KEY
35	118315	2	WASHER, Thrust
36	175872	1	GASKET
37	175873	1	COVER
38	921959	5	CAPSCREW, Hex, 1/4"-20 x 5/8" lg.
39	916964	5	LOCKWASHER, 1/4
40	118403	2	SHIELD
41	901653	1	PLUG, Pipe

* 1608999 Worm Drive Assy., consists of ref. nos. 14 through 41.



SIMPLICITY SPECIAL WORM GEAR OIL – 1600374