Simplicity®

OWNER'S MANUAL

MFG. NO. 694 – 36" ROTARY TILLER
MFG. NO. 409 – TINE EXTENSION

SIMPLICITY MANUFACTURING COMPANY, INC.

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TO THE OWNER

You have made a wise choice in selecting the Simplicity 36" Rotary Tiller. It has been specially designed for your Simplicity tractor and constructed to give lasting superior performance.

Before attempting to operate the Rotary Tiller, study this manual and the manual for your tractor thoroughly. Pay special attention to the safety rules in this manual as well as the tractor owners manual. Your Simplicity equipment is designed with your safety in mind, but it is up to you to be an alert, safety conscious operator. Be sure anyone else who may operate the tiller is also familiar with the operation and safety instructions.

Your Simplicity equipment requires only a minimum of care. Following the maintenance instructions carefully will assure you of maximum satisfactory service. Thank you for taking time to read this manual. The time spent will pay big dividends in the extra time saving performance you receive from your Simplicity Rotary Tiller.

When ordering replacement parts for the tiller be prepared to give your Simplicity dealer the identification number found on the identification plate shown below. It is located on the tiller housing. We suggest that you locate the number and record it below for easy reference.

IDENTIFICATION PLATE

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.

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SAFETY PRECAUTIONS TO PROTECT YOURSELF AND OTHERS

Read and become familiar with the owners manual for your tractor and the rotary tiller before operating the tiller.

Do not allow anyone to use the rotary tiller unless they have been instructed in how to operate it safely.

Never attempt to adjust, repair or service the tiller while the tractor engine is running.

Do not allow others near the tiller when it is operating.

Stay clear of the power take off shaft and tiller tines when the tractor engine is running.

Be sure the power take off shaft and tiller tines have stopped turning before attempting to adjust, repair or service the rotary tiller. **CAUTION: THE TINES MAY CONTINUE TO ROTATE A FEW SECONDS AFTER THE CLUTCH HAS BEEN DISENGAGED AND THE ENGINE SHUT OFF.**

Clear the work area of objects which might be picked up and thrown or caught in the tines.

Disengage power to the rotary tiller and stop the engine before leaving the operators position.

Operate the tiller only in daylight or good artificial light.

Use caution when operating on sloping surfaces.

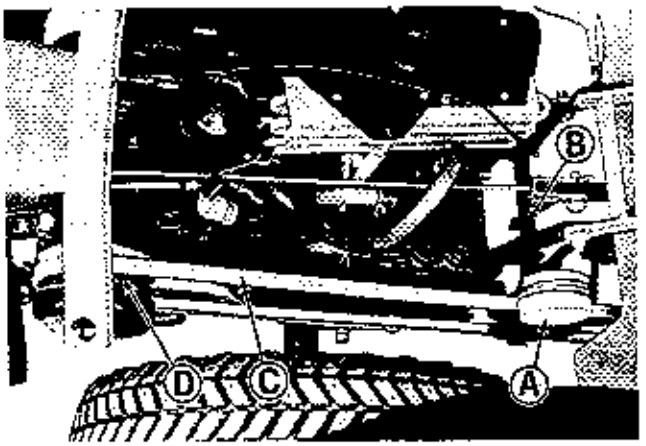


Figure 1. Tiller drive belt installed.

REQUIRED ACCESSORIES AND OPTIONS
Tractor Rear Lift Kit

RECOMMENDED ACCESSORIES AND OPTIONS
(4) Rear Wheel Weights
Electric Lift Kit

INSTALLATION

1. See figure 1. Raise the tractor seat back and install the idler pulley assembly (A) by sliding it over shaft (B).
2. See figure 2. Use a pin (A) and spring clip to hold the idler assembly to the tractor frame.
3. See figure 1. Place the tiller drive belt (C) over the outside groove of power take off pulley (D) as shown.
4. See figure 2. After insuring the tractor lift is completely lowered, position the rotary tiller behind the tractor as shown and slide rod (B) into tube (C).
5. See figure 3. Install pin (A) and spring clip (B) then lift the tiller by using the tractor manual lift lever or electric lift switch.
6. See figure 4. Align the holes in the tiller hitch with the tractor frame and install the two pins and spring clips at (A).
7. Place clamp (B) over bar (C) and fasten in place as shown using a pin and spring clip (D).
8. See figure 6. Pull rearward on tiller clutch (A) to release spring tension on the idler pulley so the tiller drive belt (Figure 5, item B) can be installed as shown.
9. See figure 6. Push forward on tiller clutch lever (A) to put tension on the tiller drive belt. The distance between set collar (B) and the rod guide should be 1/2" to 5/8". If adjustment is required see Adjusting Drive Belt Tension on page 4 of this manual.

REMOVING THE ROTARY TILLER

CAUTION: BEFORE ATTEMPTING TO ADJUST, SERVICE OR REMOVE THE ROTARY TILLER, BE SURE THE ENGINE IS SHUT OFF, THE PARKING BRAKE SET, AND THE TILLER TINES HAVE STOPPED TURNING.

1. Position the tractor so its rear wheels and the rotary tiller are on a level surface. Shut off the tractor engine and set the parking brake.
2. See figure 5. Pull rearward on the tiller drive clutch (A) to release belt tension and remove belt (B) from the tiller drive pulley.
3. See figure 4. Use the tractor lift lever or electric lift switch to lift the tiller to the raised position. Remove the two spring clips and pins at (A) and remove the spring clip and pin (D) to disconnect clamp (B).
4. Lower the tiller so it rests on the ground surface.
5. See figure 3. Remove spring clip (B) and pin (A).
6. See figure 2. Pull rod (B) out of tube (C) to disconnect the tiller from the tractor. Remove the pin and spring clip at (A).
7. See figure 1. Remove the idler pulley assembly (A) and tiller drive belt (C) from the tractor.

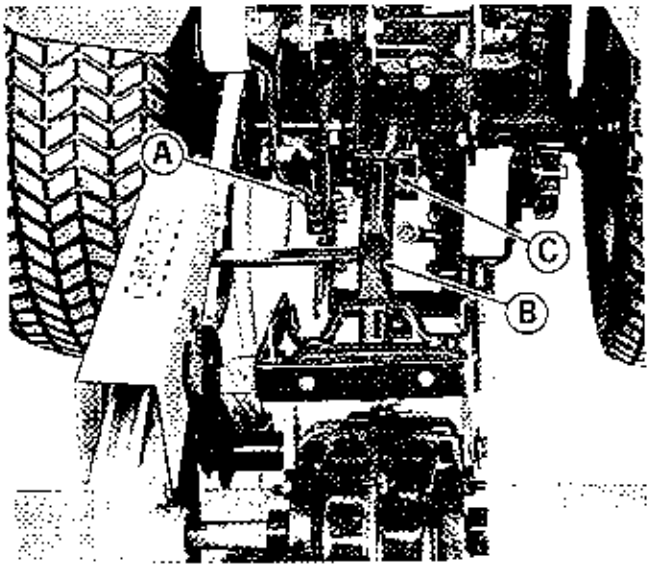


Figure 2. Tiller positioned behind the tractor.

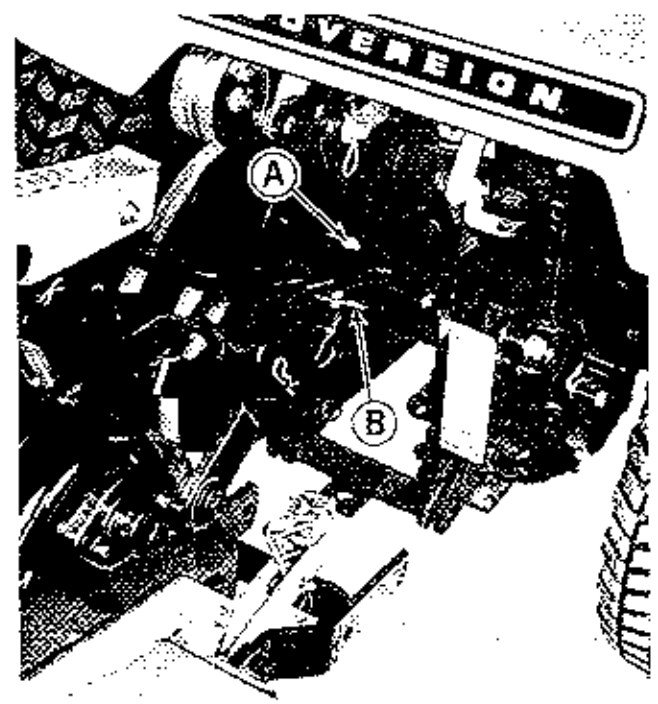


Figure 3. Lift rod installed in the tractor rear lift tube.

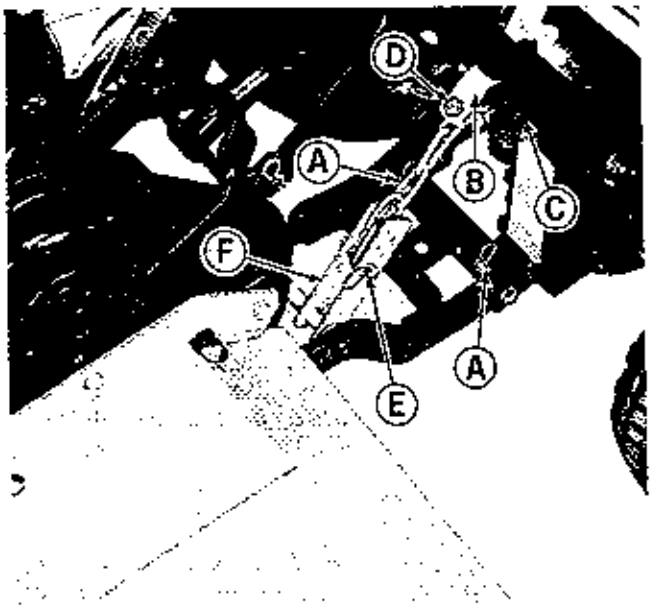


Figure 4. Tiller depth chain installed.

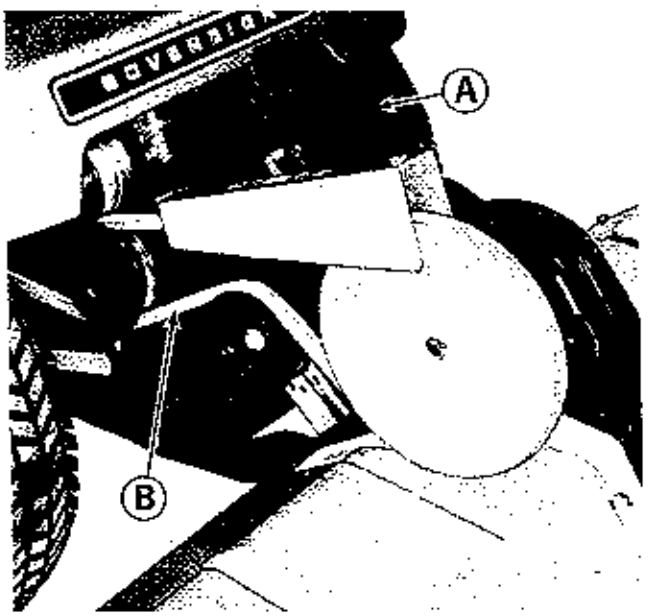


Figure 5. Tiller drive belt seen from left side of tiller.

OPERATION

SOIL CONDITIONS REQUIRED

Moisture content of soil will affect the quality of seedbed prepared when using the rotary tiller. It is not advisable to till soil which is too moist and forms large clods or balls of mud when tilled. Heavy clay soils tend to stay wet longer and form larger harder clods, when tilled to wet, than lighter textured sandy or well developed dark soils which are high in organic material. For this reason it is more important not to till clay soils too early in the spring or after a rain.

DETERMINING TILLING PATTERN

Before beginning to till any area, the operator should determine the best tilling pattern. The size, shape, terrain, and obstructions of the area to be tilled should be considered. Usually it is best to till the longest direction of the area to minimize turning. **CAUTION: ALWAYS RAISE THE TILLER BEFORE TURNING OR BACKING TO PREVENT DAMAGE TO THE TRACTOR AND TILLER.**

SEEDBED CONDITIONS DESIRED

TILLING DEPTH

The most desirable tilling depth for an area will vary according to its intended use. If seeds are to be planted, consideration should be given to the depth required to kill competing plant life, mix fertilizer and prepare a good seedbed. In general, larger seeds should be planted deeper than smaller seeds. For example, corn is often planted 2" to 3" deep, whereas the much smaller grass seed may be planted within the top 1/2" of soil. A good seedbed for grass seed can often be made by tilling only 2" to 3" deep. When planting larger seeds such as corn, a tilling depth of 5 or more inches may be desirable.

CLOD SIZE

The seedbed must be fine enough to insure that the planted seed makes good enough contact with the soil to germinate. Smaller seeds usually require a finer seedbed than larger ones. In many cases, more than one pass of the tiller will be required to prepare a seedbed of proper depth and texture.

PREPARING THE TRACTOR AND TILLER

CAUTION: BEFORE ATTEMPTING TO INSPECT, ADJUST, OR SERVICE THE ROTARY TILLER, INSURE THE POWER TAKE OFF IS DISENGAGED, THE ENGINE SHUT OFF, AND THE TILLER TINES HAVE STOPPED TURNING.

DO THE FOLLOWING

1. Read this manual and the owner's manual for the tractor carefully. Be sure you are familiar with the safety precautions, controls, and operating instructions.
2. Check the tiller carefully to be sure it is properly installed. See page 2.
3. Check the condition of the tiller tines. Clean the tine shaft of any foreign material and tighten any loose tine mounting bolts.
4. Lubricate the tiller according to the Every 25 Hour Maintenance instructions on page 6.
5. Clear the area to be tilled of all wire and other debris which may be caught in or damage the tiller tines.

DEPTH CHAIN ADJUSTMENT

See figure 4. Maximum tilling depth is regulated by the depth chain adjustment. Pin (E) may be placed in various holes in bracket (F) to limit tilling depth. To increase tilling depth, place pin (E) in one of the holes near the top of bracket (F). Other operating settings which influence tilling depth are covered under Tilling Depth on page 4.

OPERATING THE TRACTOR AND TILLER

CAUTION: NEVER BACK UP OR TURN SHARPLY WITHOUT RAISING THE TILLER OUT OF THE GROUND.

TRANSPORTING THE TILLER

The tiller should be transported in the raised position. Ground speed should be adjusted according to the type and condition of the ground surface. The owner's manual for your tractor gives the approximate speeds and control settings for normal transport conditions.

ENGINE SPEED

The engine should be operated at 3/4 to full speed when using the rotary tiller under normal conditions. Operate it at full speed when tilling depth and ground conditions require full engine power.

When operating on a hard ground surface or difficulty is experienced in the tines digging into the ground, or forcing the tractor ahead, tilling may be more successful by operating the engine at about 1/2 speed.

ENGAGING TILLER DRIVE

To minimize wear on the tiller drive clutch the tiller should be engaged when it is out of the ground. If your Simplicity tractor is a 1971 or earlier model, the tiller is engaged by pulling forward on the tiller drive clutch, (Figure 6, Item A). If your Simplicity tractor was built after 1971, the tiller drive clutch (Figure 6, Item A) can remain forward in the engaged position and the tiller engaged and disengaged by using the tractor power take off lever on the left side of the tractor frame. Refer to your tractor owner's manual for details on using the power take off clutch control lever. **CAUTION: TO PREVENT DAMAGE TO THE TILLER DRIVE OR TRACTOR POWER TAKE OFF, DISENGAGE POWER TO THE TILLER DRIVE IMMEDIATELY IF THE TILLER TINES STOP TURNING DURING OPERATION.**

RAISING AND LOWERING THE TILLER

The tiller should be raised and lowered by using the tractor manual lift lever or the electric lift switch. Refer to your tractor owner's manual for complete instructions on using these.

CONTROLLING GROUND SPEED

If your tractor is equipped with the hydrostatic transmission, ground speed can be easily and quickly controlled by using the tractor hydrostatic transmission control lever. If your tractor has a gear transmission, first gear should be used for most tilling operations. The best ground speed will vary greatly with the type of terrain, tilling depth, and condition of the soil. Tilling depth and size of soil particles will be affected by ground speed. For most conditions, one to two MPH will be a good starting speed. Refer to the operations chart in the Operation section of your tractor owner's manual for approximate control settings to achieve these speeds.

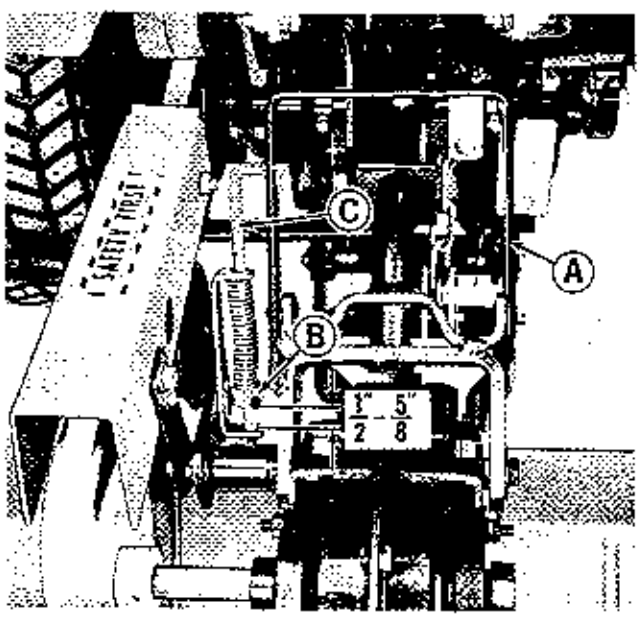


Figure 6. Drive belt tension adjustment.

CONTROLLING TILLING DEPTH AND CLOD SIZE

Tilling Depth

Factors which affect tilling depth include depth chain adjustment, type and condition of the soil, engine speed, and ground speed. The depth chain should be adjusted to control tilling depth as explained on page 3, under Depth Chain Adjustment. It will limit the depth to which the tiller can go. If the tiller will not penetrate the depth desired and the depth chain is not restricting it, the following things should be considered.

The type and condition of soil will affect tilling depth for a particular ground speed and engine speed. The tiller will tend to go deeper in light textured or sandy soils than in heavy clay soils. Hard, packed or dry soils may require more passes of the tiller than soils which have been cultivated recently or are more moist.

The engine should be operated at 3/4 to full speed for most efficient operation under normal conditions. However, if difficulty is experienced in penetrating a hard ground surface, running the engine at 1/3 to 1/2 throttle to reduce tine shaft speed may be helpful.

Ground speed of the tractor and tiller will affect tilling depth unless the depth chain is limiting tiller depth. Shift to a lower gear or use the hydrostatic control lever to decrease ground speed to increase tilling depth. More than one pass of the tiller may be required to reach the desired tilling depth.

Clod Size

Ground speed and the number of passes over the ground with the tiller can be varied to control clod size (soil texture). To reduce clod size or make a finer seedbed reduce the tractor ground speed. Making additional passes with the tiller will also help reduce clod size. If the clods are smaller than desired, increase ground speed and reduce the number of passes.

ADJUSTMENTS

DRIVE BELT TENSION

See figure 6. The tiller drive belt tension is correct when there is 1/2" to 5/8" clearance between collar (B) and the rod guide when the belt is correctly installed and the tiller drive clutch (A) is forward in the engaged position. If adjustment is required proceed as follows:

1. See figure 6. Pull the tiller drive clutch (A) rearward to release tension on the drive belt.
2. Loosen the set screw on collar (B).
3. Slide rod (C) further down to increase belt tension or pull it up to decrease belt tension.
4. Tighten set screw in collar (B).
5. Pull the tiller drive clutch (A) forward to engage the tiller drive.
6. See figure 6. Check the distance between set collar (B) and the rod guide to insure that it is 1/2" to 5/8". Repeat the procedure if the adjustment is not correct.

TROUBLE SHOOTING GUIDE

PROBLEM OR SYMPTOM	POSSIBLE CAUSES	CHECKS AND CORRECTIONS
Tiller Tines do not rotate.	Tractor Power Take Off not operating.	Power take off clutch not working. Adjust tractor power take off.
	Tiller drive clutch slipping.	Adjust tiller drive clutch.
		Clean any wire, chain, etc. from tiller tines.
	Tiller drive chain broken.	Replace drive chain. See your Simplicity dealer.
Tines rotate, but tiller does not till deeply enough.	Tiller depth chain not correctly adjusted.	Adjust depth chain for tilling depth required. See page 3.
	Engine speed not correct.	See controlling tilling depth and clod size on page 4.
	Ground too hard.	Make several passes, setting the tilling depth deeper with each pass.
	Ground speed too fast.	Reduce ground speed.
Tiller leaves ground rough or cloddy.	Ground too wet.	Allow ground to dry until ground will not "ball up" when tilling.
	Depth chain set too low.	See depth chain adjustment.
	Ground speed too fast.	Reduce ground speed.
Tiller jolts tractor or tends to propel tractor forward.	Tiller depth chain set too deep.	Adjust depth chain to till no more than 4 inches of untilled ground in one pass.
Tractor not stable on sloping surfaces.	Ground speed too fast.	Slow ground speed. Use care when operating on rough or sloping surfaces.
	Tractor not properly weighted.	Use rear wheel weights when operating on slopes.
	Tire pressure incorrect.	Inflate tires according to tractor owners manual.

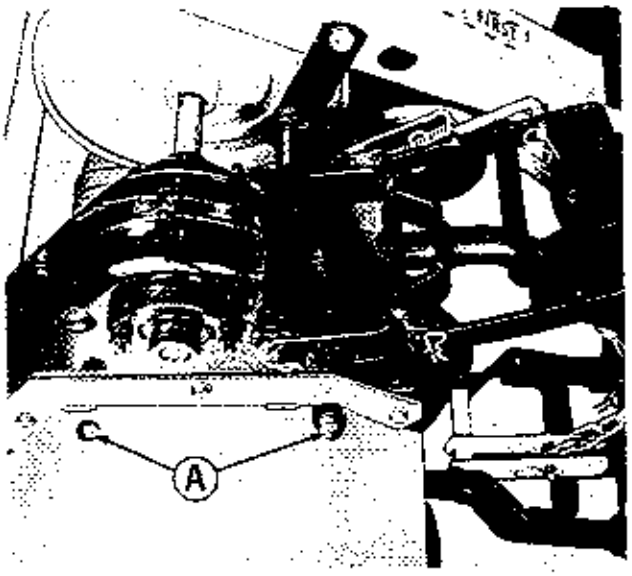


Figure 7. Top of tiller housing seen from right side.

MAINTENANCE

ORDERING REPLACEMENT PARTS

Replacement parts required for performing maintenance services or repair work should be purchased from your Simplicity dealer. When ordering parts be prepared to give him the identification number of your rotary tiller. If you have not recorded this number on the inside front cover of this manual, we suggest that you do so now for convenient future reference.

AFTER EACH USE

Inspect the rotary tiller thoroughly looking for loose or missing bolts, pins or spring clips, worn parts, etc. Check the tine mounting bolts to be sure they are tight. Also check the tine shaft for wire, chain or other foreign material which may interfere with proper tilling or cause damage to the tiller. Clean or repair as needed to insure that the tiller is ready to use the next time you need it.

EVERY 25 HOURS

LUBRICATE GREASE FITTINGS

The rotary tiller has four grease fittings which should be lubricated every 25 hours with an all purpose grease. Wipe the fittings clean. Lubricate each fitting with five shots of grease or less if the grease is seen being forced out of the bearing. The grease fittings are located as follows:

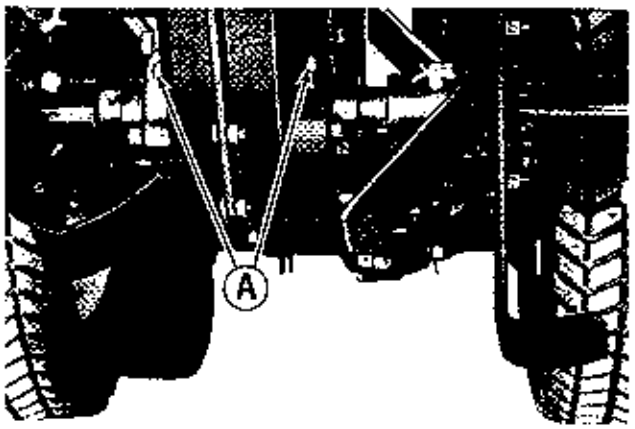


Figure 8. Tiller tines shown from behind tiller.

QUANTITY	LOCATION
2	Chain Housing (Figure 7, Item A)
2	Tine Shaft Bearings (Figure 8, Item A)

A thin film of grease or a few drops of SAE 30 weight engine oil, should be placed on a tiller mounting tube, Figure 2, Item B and the drive belt tension rod Figure 6, Item B.

OUT OF SERVICE PROTECTION (STORAGE)

1. Remove the tiller from the tractor. See page 2.
2. Use water pressure or a brush to thoroughly clean the tiller to remove buildup of dirt on or under the tiller housing.
3. Paint or lightly coat with oil any area where paint has been worn or chipped away.
4. Lubricate the tiller according to the Every 25 Hours Maintenance service.
5. Store the tiller in a dry place.

ACCESSORIES

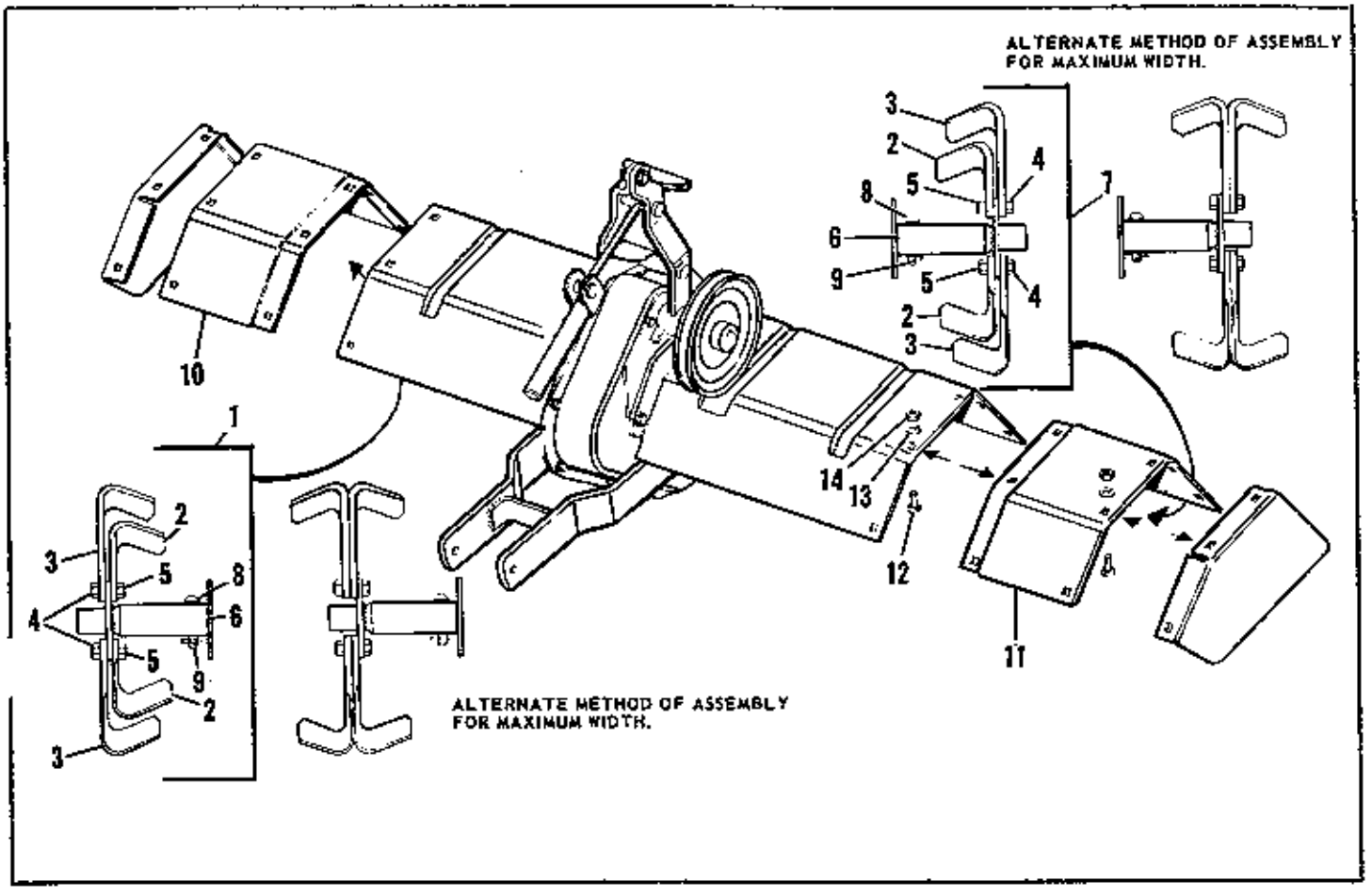
Tine and housing extensions are available for the 36" tiller, so the tilling width can be increased to 46". See your Simplicity dealer for these.

SPECIFICATIONS

Effective Width	36" (46" with tine extensions)
Tilling Depth	Up to 8"
Power Source	Tractor center PTO clutch controls power to cushioning V-Belt with spring loaded idler.
Final Drive	Prelubricated and enclosed three stage roller chains driven by hardened sprockets.
Bearings	Prelubricated and sealed rolling contact bearings.

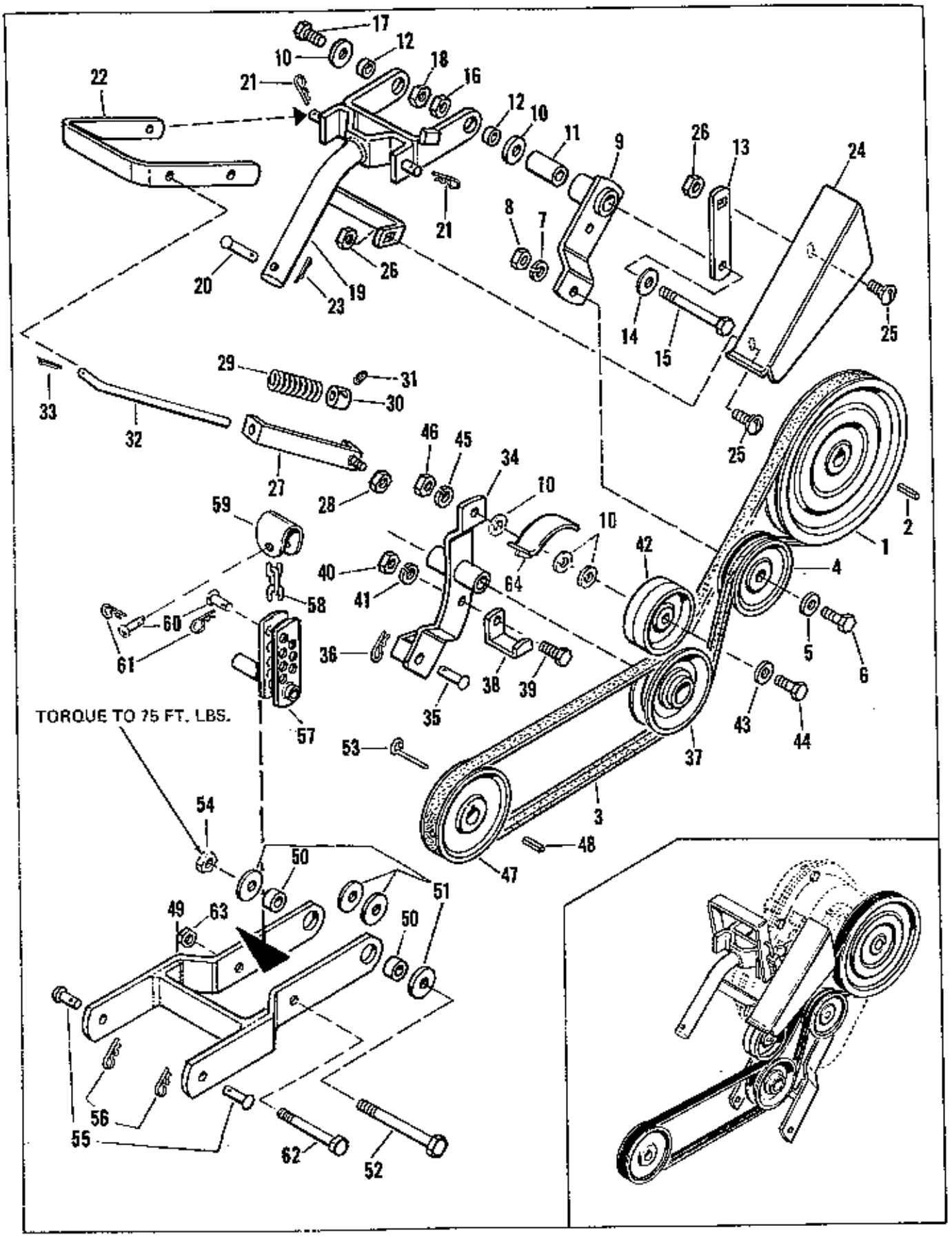
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

TINE EXTENTION KIT
Mfr. No. 409



Ref. Let.	Part No.	Qty. Req.	Description
1	105222	1	Blade Assembly, L.H.
2	8152001	4	Blade, L.H. Tine
3	8152002	4	Blade, R.H. Tine
4	706009	8	Hex. Capscrew, 7/16"-20 x 1-1/4"
5	717512	8	Full Lock Nut, 7/16"-20
6	105221	2	Plate Assy. Tine Extension
7	105223	1	Blade Assembly, R.H.
8	118053	2	Tine Shaft Pin
9	8161045	2	Spring Clip
10	105275	1	Deflector Extension, R.H.
11	105276	1	Deflector Extension, L.H.
12	703011	10	Carriage Bolt, 5/16"-18 x 1/2"
13	720001	10	Lock Washer, 5/16"
14	717001	10	Full Hex. Nut, 5/16"-18

TILLER DRIVE GROUP

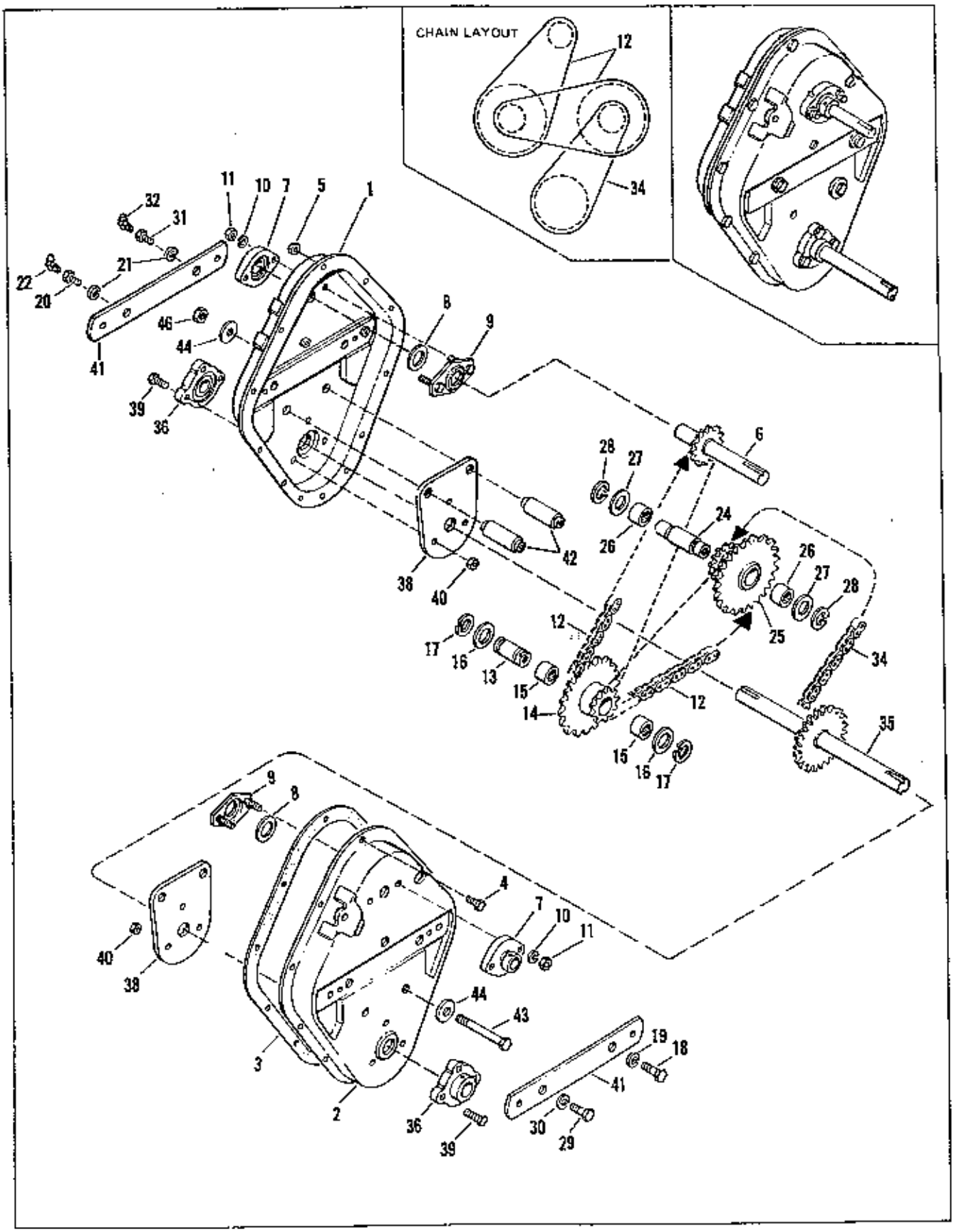


TILLER DRIVE GROUP

Ref. Let.	Part No.	Qty. Req.	Description
1	105302	1	Pulley
2	157427	1	Key
3	105340	1	"V" Belt, Sovereign Tractor
4	105306	1	Pulley
5	719002	1	Plain Washer, 5/16"
6	705016	1	Hex. Capscrew, 3/8"-16 x 1-1/4"
7	720002	1	Lock Washer, 3/8"
8	717003	1	Full Hex. Nut, 3/8"-16
9	105295	1	Clutch Lever Assembly
10	719001	5	Plain Washer, 3/8"
11	105339	1	Spacer
12	105346	2	Spacer
13	105359	1	Rear Support Belt Guard
14	719003	1	Plain Washer, 7/16"
15	715181	1	Hex. Capscrew, Gr. 8, 7/16"-14 x 3-1/2"
16	718073	1	Flange Locknut, 7/16-14
17	714182	1	Hex. Capscrew, Gr. 8, 7/16"-14 x 1-1/4"
18	718073	1	Flange Locknut, 7/16-14
19	105329	1	Lift Bar Assembly
20	118053	1	Pin
21	106787	2	Spring Clip
22	105303	1	Clutch Handle
23	722001	1	Cotter Pin, 3/32" x 3/4"
24	105326	1	Belt Guard
25	703011	2	Carriage Bolt, 5/16"-18 x 1/2"
26	718033	2	Nut Whiz Lock, 5/16"-18
27	158406	1	Rod Guide Assembly
28	717511	1	Full Hex. Nut Lock, 5/16"-18
29	8191045	1	Spring
30	8191022	1	Set Collar
31	713001	1	Cup Pt. Sq. Hd. Setscrew, 1/4"-20 x 3/8"

Ref. Let.	Part No.	Qty. Req.	Description
32	105343	1	Clutch Rod
33	722001	1	Cotter Pin, 3/32" x 3/4"
34	105322	1	Arm Idler Assembly
35	156306	1	Pin
36	106787	1	Spring Clip
37	105380	1	Idler Pulley
38	105351	1	Belt Guard, 1/8 x 1 x 4-1/8"
39	705031	1	Hex. Capscrew, 3/8"-16 x 7/8"
40	717003	1	Full Hex. Nut, 3/8"-16
41	720002	1	Lock Washer, 3/8"
42	164083	1	Idler Pulley
43	719002	1	Plain Washer, 5/16"
44	705010	1	Hex. Capscrew, 3/8"-16 x 1-3/4"
45	720002	1	Lock Washer, 3/8"
46	717003	1	Full Hex Nut, 3/8"-16
47	164202	1	Pulley
48	8061081	1	Key
49	105328	1	Frame Assembly
50	105386	2	Spacer
51	719004	3	Plain Washer, 1/2"
52	715183	1	Hex Capscrew, 1/2"-13 x 5" Gr. 8
53	167032	1	Belt Stop
54	718063	1	Full Hex. Locknut, 1/2"-13 N.C.
55	155037	2	Pin
56	106788	2	Spring Clip
57	172639	1	Depth Limit Bracket Assy.
58	107031	1	Chain
59	108200	1	Chain Clip
60	156306	2	Pin
61	8161045	2	Spring Clip
62	705066	1	Hex. Capscrew, 3/8"-16 x 4-1/2"
63	717510	1	Hex. Nut, Full Lock, 3/8-16 x 1-3/4
64	176366	1	Guard Assembly

HOUSING GROUP

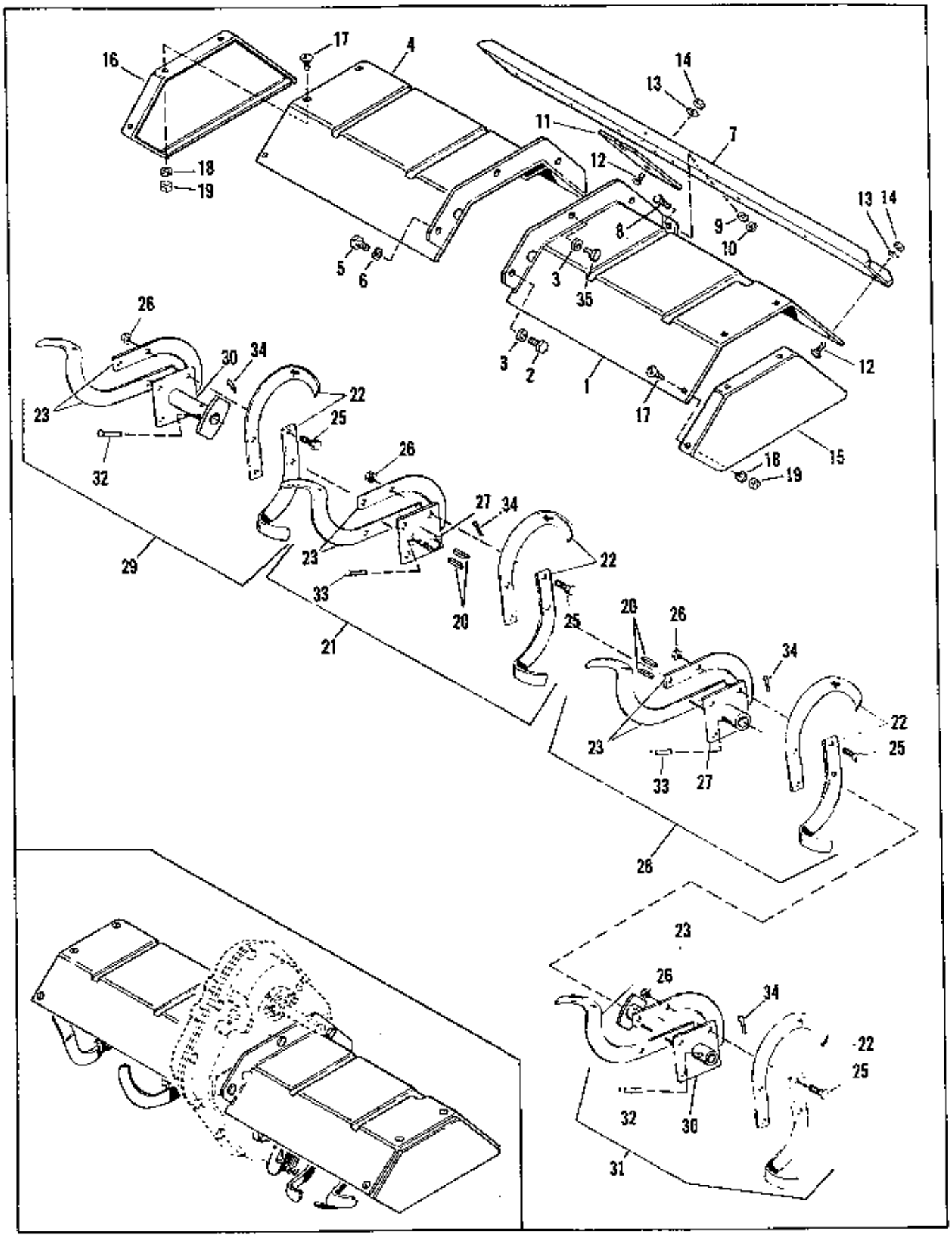


HOUSING GROUP

Ref. Let.	Part No.	Qty. Req.	Description
1	105366	1	Half Case Assembly, R.H.
2	105367	1	Half Case Assembly, L.H.
3	105373	1	Gasket
4	705012	14	Hex. Capscrew, 5/16"-18 x 5/8"
5	717511	14	Full Hex. Locknut, 5/16"-18
6	105298	1	Pulley Shaft Assembly
7	105311	2	Bearing
8	105365	2	Seal
9	105313	2	Upper Bearing Plate Assembly
10	720001	4	Lock Washer, 5/16"
11	717001	4	Full Hex. Nut, 5/16"-18
12	105336	2	Chain
13	105292	1	Inter. Spacer
14	105291	1	Sprocket Assembly
15	105195	2	Roller Bearing
16	8281014	2	Washer
17	105194	2	Retaining Ring
18	706022	1	Hex. Capscrew (L.H.Side), 1/2"-20 x 1-1/4"
19	720004	1	Lock Washer, 1/2"
20	105132	1	Bolt, (R.H. Side)
21	720004	2	Lock Washer, 1/2"
22	727004	1	Grease Fitting
23*	105363	1	Grease Cap
24	105192	1	Inter. Spacer
25	178175	1	Sprocket Assembly
26	105195	2	Roller Bearing
27	8281014	2	Washer
28	105194	2	Retaining Ring
29	706022	1	Hex. Capscrew (L.H. Side), 1/2"-20 x 1-1/4"
30	720004	1	Lock Washer, 1/2"
31	105132	1	Bolt (R.H. Side)
32	727004	1	Grease Fitting
33*	105363	1	Grease Cap
34	178174	1	Chain
35	178177	1	Tine Shaft Assembly
36	105309	2	Bearing
38	105307	2	Reinf. Plate
39	715091	6	Thread Forming Screw, 3/8"-16 x 1-1/2"
40	717524	6	Hex. Jam Locknut, 3/8"-16
41	105320	2	Side Bar, 3/16" x 2" x 13-1/16"
42	105360	2	Spacer, 1" x 7/32" x 3-1/32"
43	715180	1	Hex. Capscrew, 1/2"-13 x 4"
44	719004	1	Plain Washer, 1/2"
46	718063	1	Flange Locknut, 1/2-13

* Not Shown

DEFLECTOR AND TINE GROUP



DEFLECTOR AND TINE GROUP

Ref. Let.	Part No.	Qty. Req.	Description
1	105370	1	Deflector Assembly, L.H.
2	715096	2	Hex. Capscrew, 3/8"-16 x 1"
3	720002	3	Lock Washer, 3/8"
4	105369	1	Deflector Assembly, R.H.
5	715096	3	Hex. Capscrew, 3/8"-16 x 1"
6	720002	3	Lock Washer, 3/8"
7	105330	1	Reinf. Channel
8	705031	2	Hex. Capscrew, 3/8"-16 x 7/8"
9	720002	2	Lock Washer, 3/8"
10	717003	2	Full Hex. Nut, 3/8"-16
11	105354	1	Shield
12	702015	7	Carriage Bolt, 5/16"-18 x 3/4"
13	720001	7	Lock Washer, 5/16"
14	717001	7	Full Hex. Nut, 5/16"-18
15	105273	1	Plate Deflector End, L.H.
16	105274	1	Plate Deflector End, R.H.
17	703011	8	Carriage Bolt, Short, 5/16"-18 x 1/2"
18	720001	8	Lock Washer, 5/16"
19	717001	8	Full Hex. Nut, 5/16"-18
20	105337	4	Key
21	105387	1	Inner Tine Blade Assembly,R.H.
22	105375	8	Tine Blade, L.H.
23	105376	8	Tine Blade, R.H.
25	715185	16	Hex. Capscrew, 7/16"-20 x 1-1/2
26	717512	16	Full Hex. Locknut, 7/16"-20
27	177458	2	Hub. & Plate Assembly
28	105388	1	Inner Tine Blade, Assy., L.H.
29	105390	1	Outer Tine Blade Assy., R.H.
30	105384	2	Tine Plate Assembly
31	105389	1	Outer Tine Blade Assembly L.H.
32	118053	2	Pin Tine Shaft
33	105249	2	Inner Pin
34	722009	4	Cotter Pin, 1/8" x 3/4"
35	715024	1	Hex Capscrew, 3/8"-16 x 5/8"

DECALS

103031	Safety Decal
103100	Serial No. Plate
106719	Film, Simplicity

DEPTH LIMIT ADJUSTMENT