

SETTING UP AND OPERATING INSTRUCTIONS AND PARTS LIST FOR DAVID BRADLEY GARDEN TRACTOR WEED CUTTER

MODEL NUMBER 917.575126
FOR ALL GARDEN TRACTORS WITH 3 H.P. OR LESS
MODEL NUMBER 917.575125
FOR ALL GARDEN TRACTORS WITH 5 OR MORE H.P.

The above number is the Model Number of your Weed Cutter. It will be found on a plate attached to the Mounting Frame. Always mention this Model Number when communicating with us regarding the Weed Cutter or when ordering repair parts.

HOW TO ORDER REPAIR PARTS

All parts listed herein may be ordered through Sears, Roebuck and Co. or Simpsons-Sears Limited. When ordering parts by mail from the mail order house which serves the territory in which you live, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The PART NUMBER.
2. The PART NAME.
3. The MODEL NUMBER.
4. The NAME of Implement.

This list is valuable. It will assure your being able to obtain proper parts service at all times. We suggest you keep it with your papers.

**SEARS, ROEBUCK AND CO. U.S.A.
SIMPSONS-SEARS LIMITED CANADA**

You have purchased a high quality weed cutting machine. It will give you years of trouble-free service. This manual has been prepared to assist you in getting the best results. Refer to it for aid in problems pertaining to operation and maintenance. For repairs other than the adjustments mentioned in this manual, contact your nearest SEARS, ROEBUCK AND CO. store. It is imperative in operating the machine that certain normal precautions be observed in order to prevent injury or damage. No minor should operate mower unless properly supervised.

Although this Weed Cutter is simple to operate and care for, it is important that the instructions as outlined in this manual be studied and followed very closely, especially the Safety Precautions and Lubrication Chart, before beginning to assemble. Only by following these suggestions can satisfactory performance and long service be obtained. We suggest you keep this manual with other important papers for reference.

The standard Weed Cutter shipment for all Garden Tractors, with 3 H.P. or less consists of:

One bundle 575X257

The standard Weed Cutter shipment for 5 or more H.P. Garden Tractor consists of:

One bundle 575X253

OPTIONAL EQUIPMENT

1. Counterweight, illustrated on page 5.

Sears, Roebuck and Co. and Simpsons-Sears Limited reserves the right to make any changes in design and changes or improvements without imposing any obligation to install the same upon its implements heretofore manufactured.

Setting Up, Instructions Before Operating, and Operating Instructions should be studied very closely before beginning to assemble your Weed Cutter. BEFORE using, refer to the Safety Precautions and Lubrication Chart. A number at the beginning of a paragraph in the following instructions refers to an arrow in the adjoining Figure, except when otherwise stated. When R.H. (Right Hand) or L.H. (Left Hand) are used, it should be understood to mean from a position behind and facing the Weed Cutter, or direction of travel.

SETTING UP INSTRUCTIONS

1. Remove weed cutter from carton and clip all wires.
2. Remove the two (2) bolts in weed rod and using these bolts, mount weed rod to housing and caster wheel tube.

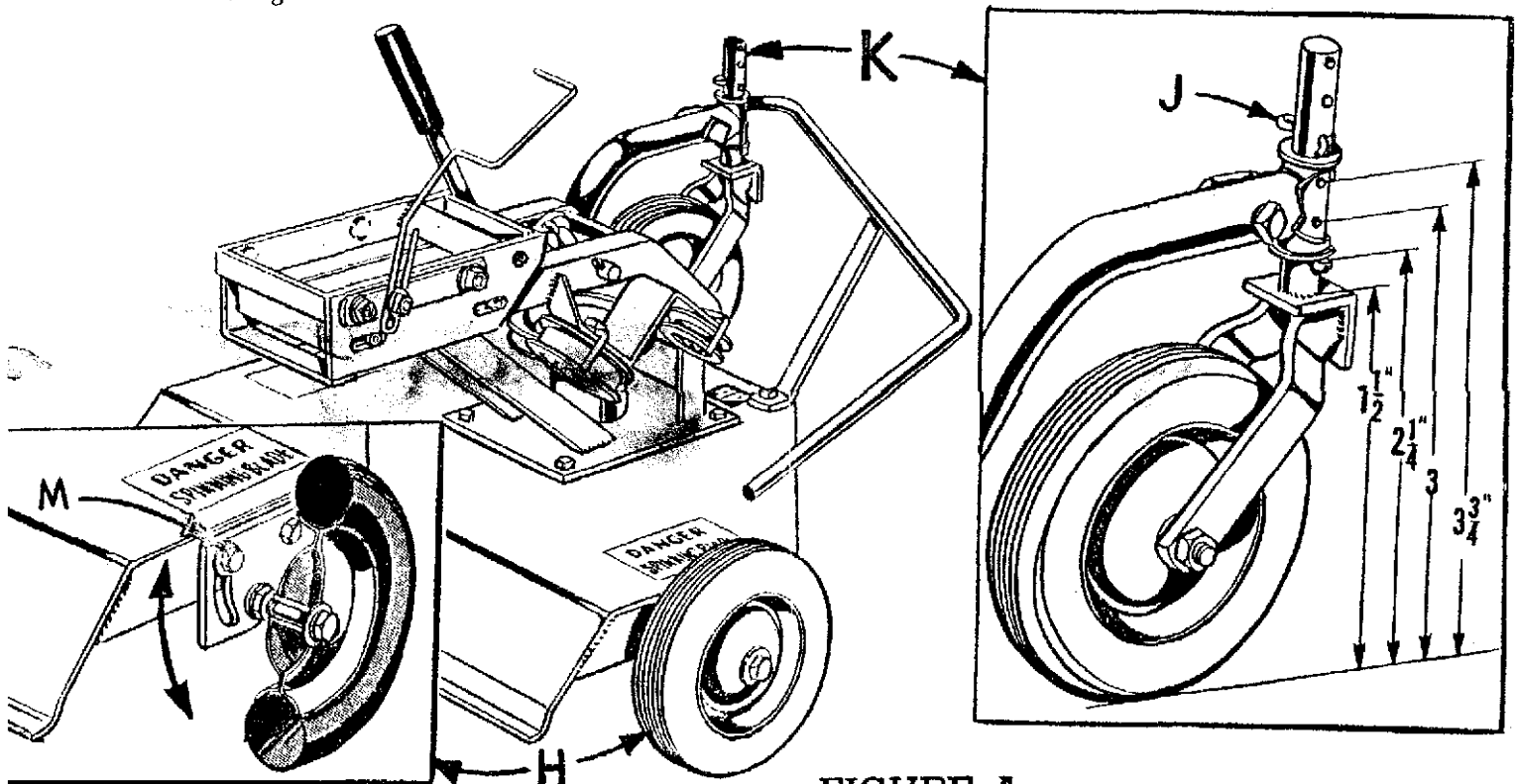


FIGURE A

3. See chart in Figure A and adjust to height of cut as desired. Adjustment is made by removing cotters from caster spindle, and sliding caster spindle up or down until desired height of cut is obtained, and replace cotters.
4. Place lever in the engaged position, refer to figure B. Make sure that the three $3/8" \times 7/8"$ heat treated cap screws (Illustration 50 Page 8), which bolt the blade to the mandrel are tightened securely.
5. Refer to figure B. Loosen the two flanged nuts (c) on the R.H. side of the frame about $1/4"$ so that the belt guard bracket, (part number 9915M), or strap with plow bolt (d), will have clearance from frame (e). It will also be necessary to loosen the two flanged nuts on the L.H. side of the frame.

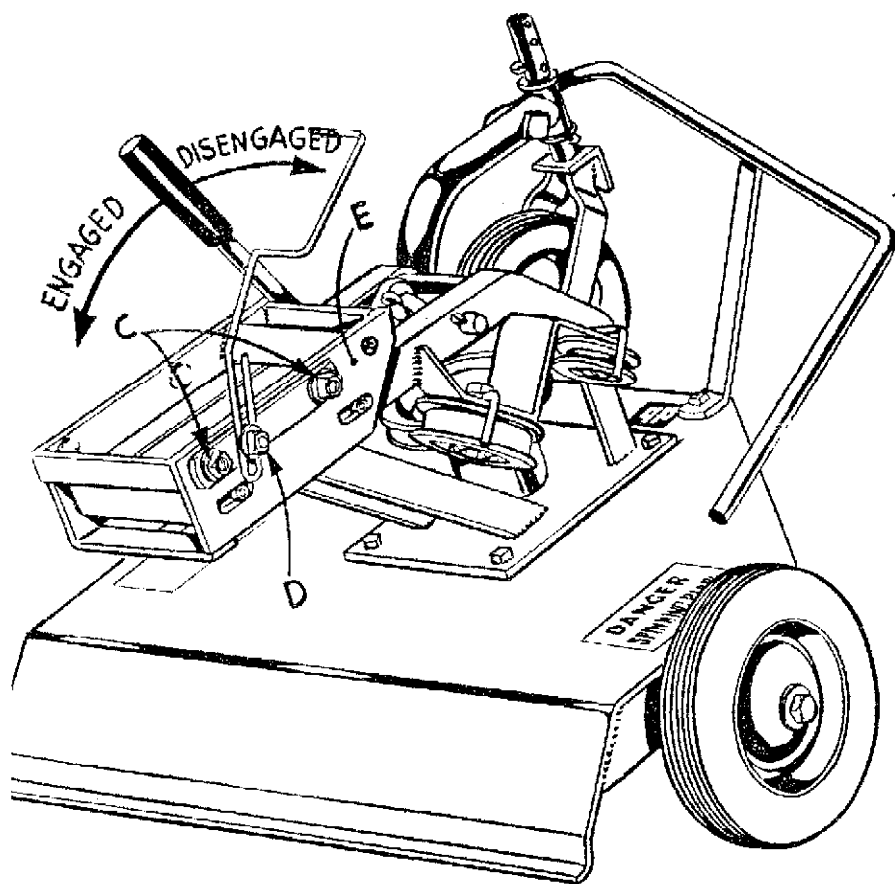
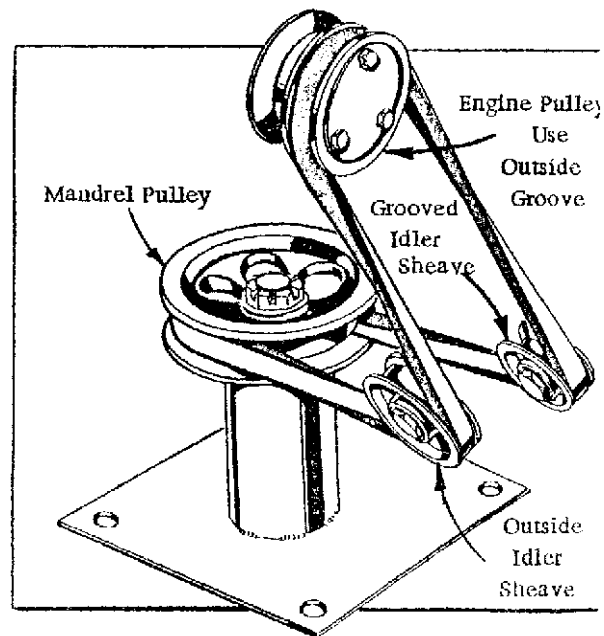


FIGURE C

FIGURE B



6. Refer to figure D, page 4. Slide Weed Cutter into position on motor base plate (f). Make sure that the belt guard bracket (g), is on the outside of the motor base (f).
7. A new reversible pulley illustration no. 56 shown on page 8 of parts list is included for 5 or more H.P. tractors. Loosen belt and remove standard pulley from engine. Assemble reversible pulley to engine and retighten belt. **IMPORTANT:** The outside groove of engine must be the largest diameter (narrow groove). See Page 7 for instructions for reversing pulley.
8. Refer to figure C. Slip V-Belt on the outside groove of the engine pulley making sure that the belt is also in place on the mandrel and idler sheaves.

NOTE: The outside or widest width of the belt runs on the rear idler sheave.

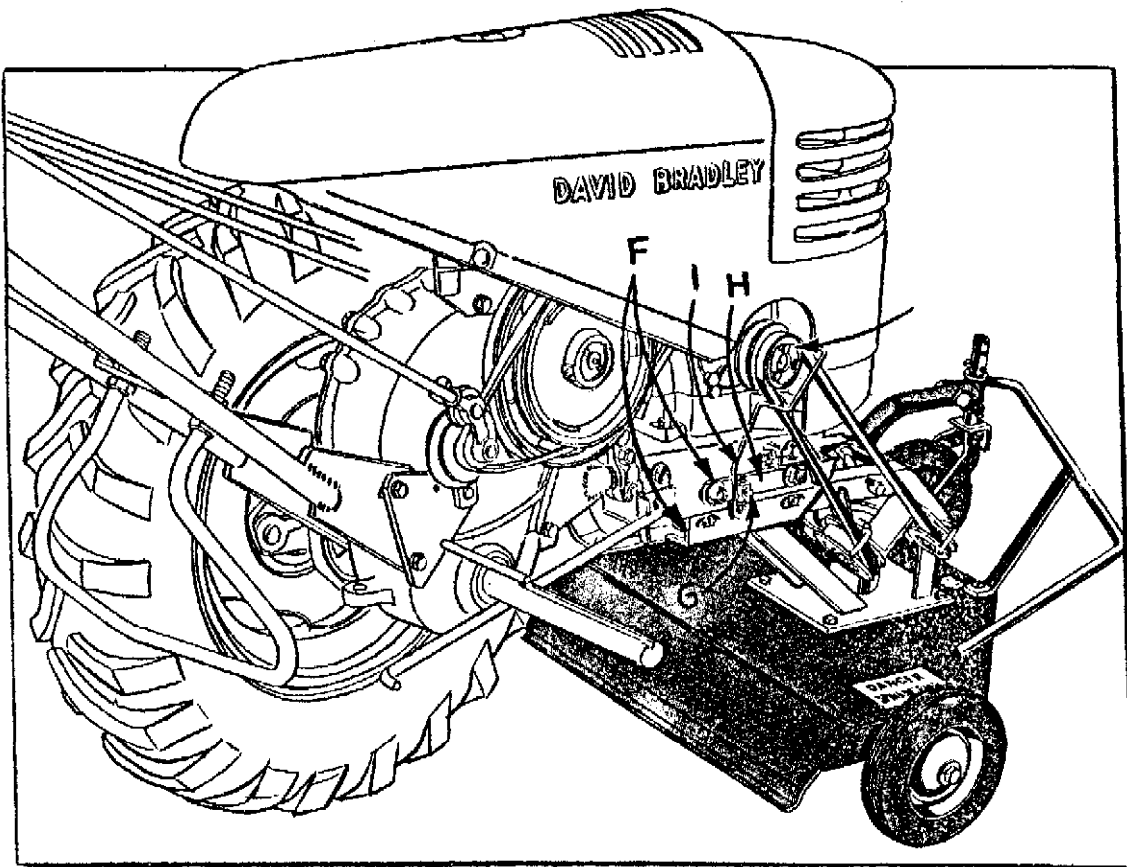


FIGURE D

9. With clutch lever in the engaged position, slide the weed cutter forward in motor base slots until belt is tight, then tighten the 4 flanged nuts securely.

10. Assemble engine pulley belt guard as follows:

Loosen the nut (g) on the plow bolt in the belt guard bracket (h), and slip the long "U" shaped portion of the belt guard (i) under the formed washer #9935M, which is on the plow bolt, with the offset in the guard outward and upward as shown. Position the upper end of the belt guard 1-1/4" to 1-1/2" down the belt line from the center of the engine pulley and there should be 1/8" clearance between guard and belt.

NOTE: 1/8" clearance must be above and below belt. Tighten plow bolt securely.

11. Disengage lever (figure b).

12. Observe the safety instructions page 6, and start the tractor.

13. Engage and disengage the weed cutter a few times to make sure the belt guard is in the correct location. Sometimes the belt guard will need to be relocated slightly for best lever action.

NOTE: The above procedure should be followed each time the weed cutter is moved forward to take up belt stretch and wear. When the clutch is engaged and running, the guard should never touch the belt or engine pulley.

After the belt guard is located, leave it securely in place when removing the unit from the tractor as the belt may be removed easily with the guard in place. The belt guard will be in correct location when the unit is replaced on the tractor.

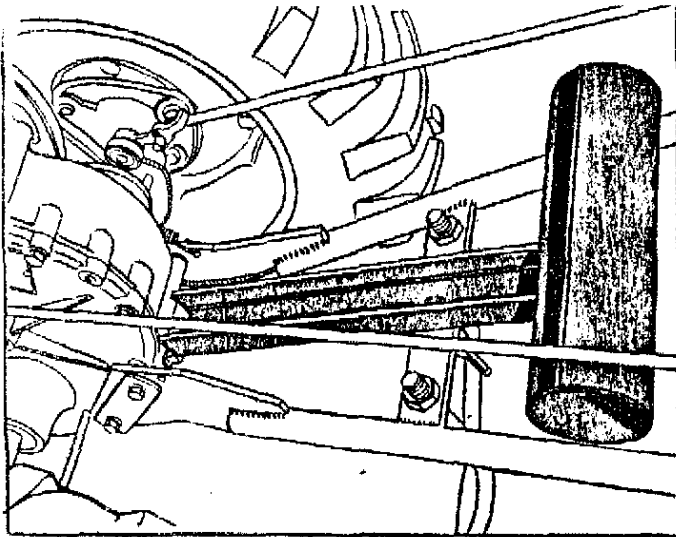


FIGURE E
COUNTERWEIGHT

Assemble counterweight to tractor spacer handles as shown in shown in figure E.

The counterweight will counterbalance the weight of the Rotary Weed Cutter and make for easier handling.

SAFETY PRECAUTIONS

1. NEVER START THE ENGINE WHEN ANYONE IS NEAR.
2. DO NOT ATTEMPT TO CLEAN TRASH FROM BLADE OR SHIELD, OR TO OTHERWISE CLEAN, ADJUST OR REPAIR MACHINE BEFORE REMOVING WEED CUTTER FROM GARDEN TRACTOR.
3. KEEP BLADE PROPERLY BALANCED.
4. ALWAYS REPLACE WASHER (Illustration 42), AND COTTER (Illustration 41), WHEN REPLACING BLADE. (Illustration number refer to Parts Drawing on page 8).
5. ALWAYS KEEP HANDS AND FEET AWAY FROM SPINNING BLADE AND BELTS.
6. DANGER: BLADE IS NOT EASILY SEEN WHEN RUNNING.
7. NEVER REPLACE THE SPECIAL HEAT TREATED CAP SCREWS HOLDING BLADE TO MANDREL WITH ORDINARY ONES.
8. KEEP WEED ROD ATTACHED AT ALL TIMES.
9. NEVER LEAVE MACHINE RUNNING UNATTENDED.
10. NO MINOR SHOULD OPERATE THIS MACHINE UNLESS PROPERLY SUPERVISED.
11. REMOVE STONES, WIRES, CANS, BOARDS, BRANCHES, BONES AND OTHER FOREIGN OBJECTS FROM AREA BEFORE EACH MOWING, AVOID STRIKING ROCKS OR ROOTS. ANY OF THE ABOVE, IF STRUCK BY THE WEED CUTTER BLADE, MAY BE THROWN, CAUSING INJURY TO OPERATOR, TO BYSTANDER, TO PROPERTY, OR TO THE WEED CUTTER ITSELF.
12. NEVER RUN ENGINE INSIDE A BUILDING WITHOUT OPENING ALL DOORS AND WINDOWS.
13. NEVER FILL THE GASOLINE TANK WHILE THE ENGINE IS HOT, AND WIPE ANY GASOLINE THAT MIGHT BE SPILLED.
14. ONLY PERSONS ACQUAINTED WITH THE RULES OF SAFE OPERATION SHOULD BE PERMITTED TO USE THIS MACHINE.

OPERATING INSTRUCTIONS

The following instructions are intended to acquaint the inexperienced operator with information to assist him while learning to operate his Weed Cutter. He should become thoroughly familiar with the following principal factors before attempting to operate his machine.

HEIGHT OF CUT:

This weed cutter has four cutting heights, in 3/4 inch increments. See Figure A, Page 2, for cutting height adjustments. To change cutting heights, remove the two cotters from caster wheel spindle, and slide caster wheel spindle up or down until desired height of cut is obtained and replace cotters. Loosen bolts H in Figure F and adjust the R.H. wheel so that the wheel just clears the ground, retighten bolts. This adjustment must be made while the weed cutter and garden tractor are on a level area. This R.H. wheel is to prevent the weed cutter from scalping the grass when going over rough terrain.

BLADE:

This Weed Cutter has a flat blade which is sharpened on both sides. Therefore, the blade is reversible which creates four cutting edges. This blade is made of high carbon steel with induction hardened cutting edges for long life, and safety. This blade also has a safety cotter pin to hold the blade to the mandrel. CAUTION: Always replace washer and cotter pin when blade is reversed or replaced.

REMOVING OR REPLACEMENT OF BLADE (Illustration Numbers refer to Figure F).

1. Always remove belt from engine of Garden Tractor or remove Weed Cutter from Garden Tractor before removing blade.
2. Remove the three (3), 3/8 x 7/8 - 16 NC Heat Treated Bolts (Illustration 50) from clamp washer (Illustration 40) washer (Illustration 42), blade (Illustration 43) and mandrel shaft flange (Illustration 34).
3. Remove cotter pin (Illustration 41) from mandrel shaft (Illustration 34) and slip washer (Illustration 41) and blade (Illustration 43) from shaft (Illustration 34).
4. Reverse the blade or replace after sharpening. NOTE: Be sure blade is properly balanced.
5. Reverse the above procedure for reassembly.
Important: Always replace washer and cotter when reassembly the blade to the mandrel shaft. Tighten heat treated cap screws securely.

WEED ROD:

The weed rod helps windrow when cutting in high material. KEEP WEED ROD ATTACHED AT ALL TIMES.

CUTTING SPEED:

The cutting speed on tractors without speed changers cannot be changed, however, in heavy material the width of the cut can be narrowed so that the engine will not pull down. On garden tractors equipped with speed changers the ground travel can be adjusted in most cases so that the engine will not pull down.

For safer operation on tractors with a speed changer, change to the low speed range when cutting around obstructions.

MAINTENANCE AND SERVICE

LUBRICATION CHART

Time	Operation	Location
Starting each day.	Mandrel Bearings--lubricate with heavy lithium gun grease (or pressure gun grease).	Grease fitting located in Mandrel Pulley

BEARING ADJUSTMENT:

The Timken bearings on the Mandrel Shaft are correctly adjusted at the factory and should run without excessive heating. After long service, these bearings may develop play. They can be adjusted as follows:

1. Remove belt from mandrel pulley.
2. Remove cotter from hex slotted nut on top of mandrel shaft and loosen set screw in mandrel pulley.
3. Tighten 3/4" hex slotted nut not more than 1/12 turn at a time until adjustment is satisfactory, cotter and retighten set screw in Mandrel pulley securely. (Caution: Do not adjust bearings too tight. Mandrel should turn freely after adjustment.)

REVERSIBLE PULLEY: (See Illustration on Page 8 and 9)

This reversible engine pulley for the 5 or more H.P. Garden Tractor has a reversible outer sheave. This sheave can be turned around to give either a 2-1/2 or 3-1/4 effective O.D. for power take off work, with an "A" section belt only. This is done by removing the three cap screws (62) from the outer end of the pulley and assembling the reversible sheave (59) to obtain the desired effective O.D. It is necessary to use the larger O.D. groove, (narrow groove) with Rotary Mower 917.575123 and 917.575124, weed cutter 917.575126, and Tri-Cut Rotary Mower only.

WARNING: Do not use narrow groove 3-1/4" O.D. (A Belt) with cordwood saw 917.575108 Rotary Lawn Mowers 917.57594 and 96 and cutter bar mower 917.57569.

ADJUSTING CLUTCH LEVER:

After many hours of use the clutch mechanism may become loose and not stay in the locked position to keep the frame tight during operation. If this should happen, first check the 4 Allen socket head screws in the frame angles and tighten if necessary.

Adjust eyebolt linkage as follows:

1. With the lever in the engaged position, hold the front hex nut and loosen the front hex jam nut.
2. Tighten hex nut against 3/8" strap 1/6 turn, engage and disengage clutch lever. Repeat until approximately 25# force is required to engage the lever.
3. Hold hex nut in final position and jam hex jam nut.
4. Bring lever forward into the disengaged position. Hold the rear hex nut and loosen the rear hex jam nut.
5. Tighten hex nut against 3/8" strap 1/6 turn. Disengage and engage the clutch lever. Repeat until approximately 10# force is required on the end of the lever to bring the lever to the stop in the disengaged position.
6. Hold hex nut in final position and jam hex jam nut.

REPLACING OUTSIDE IDLER BEARING:

1. Observe location of idler belt guard and scribe a mark on frame to keep the belt guard location.
2. Loosen hex nut on idler cap screw and remove cap screw. Observe that the step shoulder spacer is assembled with the large diameter up against the frame.
3. Remove 3 truss head machine screws from sheave. Press the bearing out from the side opposite the screws.
4. Press new bearing in from same side as the screws using a pilot that is very near the size of the outside diameter of the bearing. Make sure you do not press against the inner race when pressing the bearing. Press bearing until it seats to the bottom.
5. Replace truss head machine screws and tighten.
6. Reverse above procedure for reassembly.

BELT ADJUSTMENT:

1. Loosen 4 flanged nuts in mounting frame and make sure the clutch lever is in the rear position (engaged position). Move weed cutter frame forward until belt is tight and retighten 4 flanged square nuts. Proper adjustment of belt is 1/4" deflection with slight pressure of thumb on belt.

CAUTION: Do not tighten belt any tighter than necessary. Running the belt too tight will cause excessive wear on idler pulley bearings which results in costly bearing replacement.)

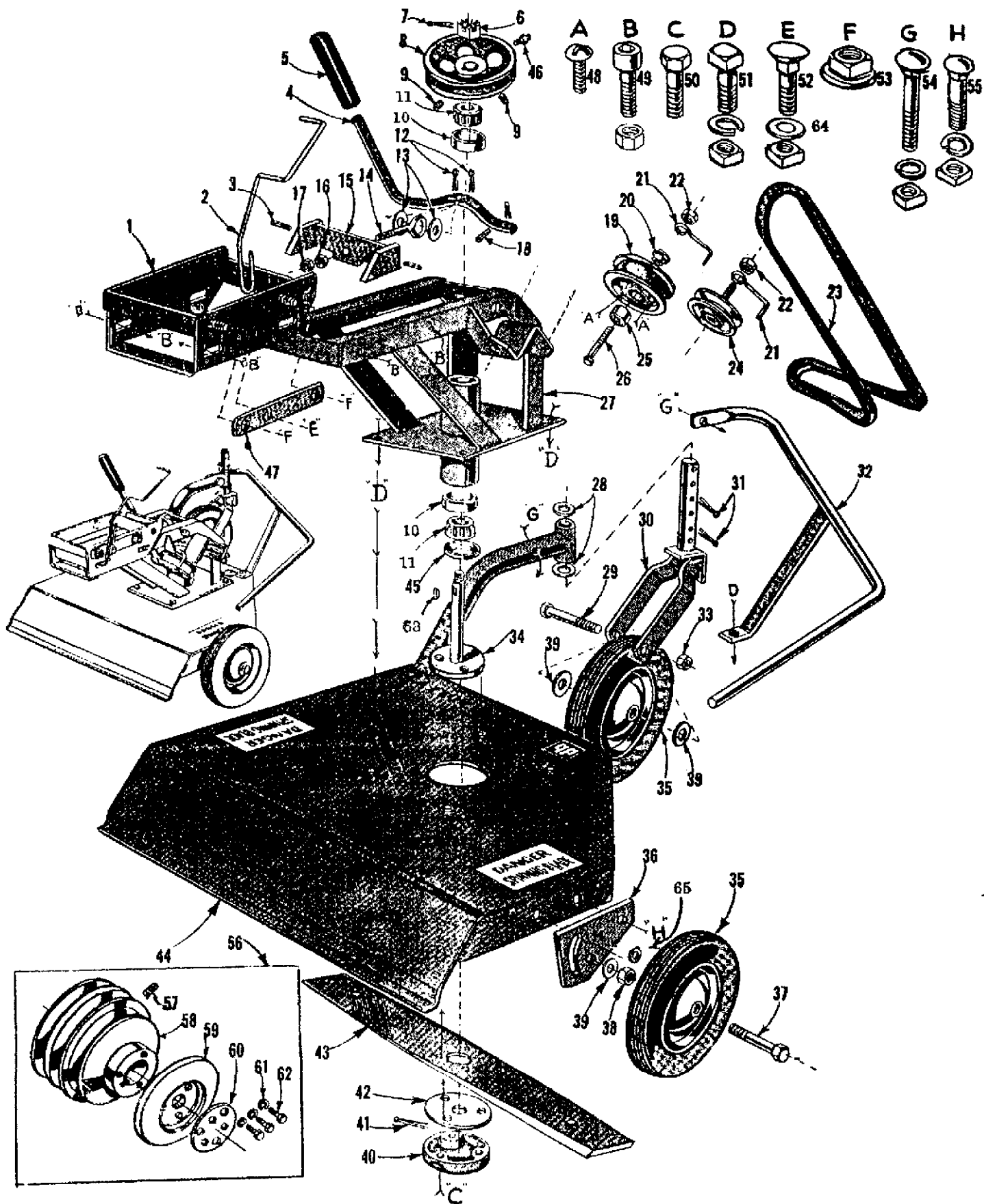


FIGURE F

For Parts List--See Pages 9 and 10

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The PART NUMBER.
2. The PART NAME.
3. The MODEL NUMBER--917.575125 and 917.575126.
4. The NAME OF ITEM-- WEED CUTTER

Do not use Illustration Numbers when ordering Repair Parts, always use Part Numbers. Items that do not have a Part Number are Standard Hardware Items and should be purchased locally.

Illust. No.	Part No.	Qty. Required		Description
		Under 5 H.P.	5 H.P. & More	
1	575PA873	1	1	Side Plate & Tie Straps
2	821H	1	1	Motor Pulley Guard
3	9939M	2	2	Roll Pin
4	9909M1	1	1	Release Lever
5	8645M	1	1	Handle Grip
6	03101200	1	1	Nut, Hex Slotted Hd. 3/4 - ASF - 16 NF
7	-----	1	1	Cotter, 5/32" x 1-1/4"
8	819H	1	1	Mandrel Pulley
9	04250510	2	2	Screw, Allen Set - CP 5/16" x 5/8" - 18 NC
10	7488M	2	2	Bearing Cup
11	7489M	2	2	Bearing Cone
12	-----	3	3	Cotter 5/32" x 1"
13	08212113	2	2	Washer, Flat 21/32 x 1-5/16" x 13" Ga.
14	9907M	1	1	Eyebolt
15	575PA870	1	1	Tie Strap & Wedges
16	-----	2	2	Nut, Hex 3/8" ASRU 16 NC
17	-----	2	2	Nut, Hex Jam 3/8" ASRU 16 NC
18	8084M	2	2	Roll Pin
19	9931M	1	1	Outside Idler Sheave
20	9911M	1	1	Idler Spacer
21	9937M	2	2	Idler Belt Guard
22	-----	2	2	Nut, Hex 7/16" ASRU - 14 NC
23	805H	1	--	V-Belt
23	758H	--	1	V-Belt
24	386H	1	1	Grooved Idler Sheave
25	9940M	1	1	Bearing
26	-----	1	1	Cap Screw, Hex Hd. 7/16" x 1-3/4" ASRU - 14 NC
27	575PA875	1	--	Frame
27	575PA865	--	1	Frame
28	-----	2	2	Washer, Flat 15/16" x 1-3/4" x 10 Ga.
29	98000092	1	1	Cap Screw, Hex Hd. 1-1/2" x 3-1/2" ASF - 13 NC
30	575PA880	1	1	Caster Yoke
31	-----	2	2	Cotter 1/4" x 1-1/4"
32	575PA885	1	1	Weed Rod & Strap
33	-----	1	1	Nut, Hex Jam 1/2" ASRU - 13 NC
34	601PA229	1	1	Shaft & Flange
35	893H	2	2	Tire & Wheel
36	753H	1	1	Wheel Bracket
37	-----	1	1	Cap Screw, Hex Hd. 1/2" x 3" ASF 13 NC
38	-----	1	1	Nut, Hex 1/2" ASRU - 13 NC
39	-----	3	3	Washer, Flat 17/32 x 1-1/16 x 13 Ga.
40	8011M	1	1	Clamp Washer

Illust. No.	Part No.	Qty. Required		Description
		Under 5 H.P.	5 H.P. & More	
41	-----	1	1	Cotter 1/8" x 1"
42	756H	1	1	Washer
43	7856M	1	1	Cutter Blade
44	575PA881	1	1	Housing & Pipe
45	7477M	1	1	Outer Closure
46	6855M	1	1	Grease Fitting
47	9915M	1	1	Belt Guard Bracket
48	04630408	3	3	Mach. Screw, Truss Hd. 1/4" x 1/2" - 20 NC
49	04570508	4	4	Cap Screw, Hex Socket Hd. 5/16" x 1/2" - 18 W/Hex Nut
50	04600614	3	3	Cap Screw, Hex Hd. 3/8 x 7/8 - 16 NC Heat Treated
51	-----	5	5	Mach. Bolt, Sq. Hd. 3/8 x 1 ASRU - 16 NC W/ Nut and 3/8" Lock Washer
52	01010608	1	1	Plow Bolt, Sq. Neck 3/8 x 1 ASRU - 16 NC
53	4811M	4	4	Nut, Sq. Flange
54	-----	1	1	Carriage Bolt, Sq. Neck 3/8" x 2-1/4" ASRU - 16 NC
55	-----	2	2	Carriage Bolt, Sq. Neck 3/8" x 1" ASRU - 16 NC
56	575PA854	--	1	Motor Pulley and Set Screw
57	04250506	--	1	Set Screw, Hex Socket Headless C.P. 5/16 x 3/8-18 NC.
58	670H	--	1	Motor Pulley
59	669H	--	1	Reversible Sheave
60	668H	--	1	End Plate
61	-----	--	3	Washer, Lock 1/4"
62	-----	--	3	Cap Screw Hex Hd. 1/4" x 1" - 20 NC
63	9943M	1	1	Woodruff Key
64	9935M	1	1	Formed Washer
65	08010600	1	1	Washer Flat 13/32 x 13/16 x 16 Ga.
	917.575126	1	--	Instruction Sheet
	917.575125	--	1	Instruction Sheet

For Illustration--See Page 8.