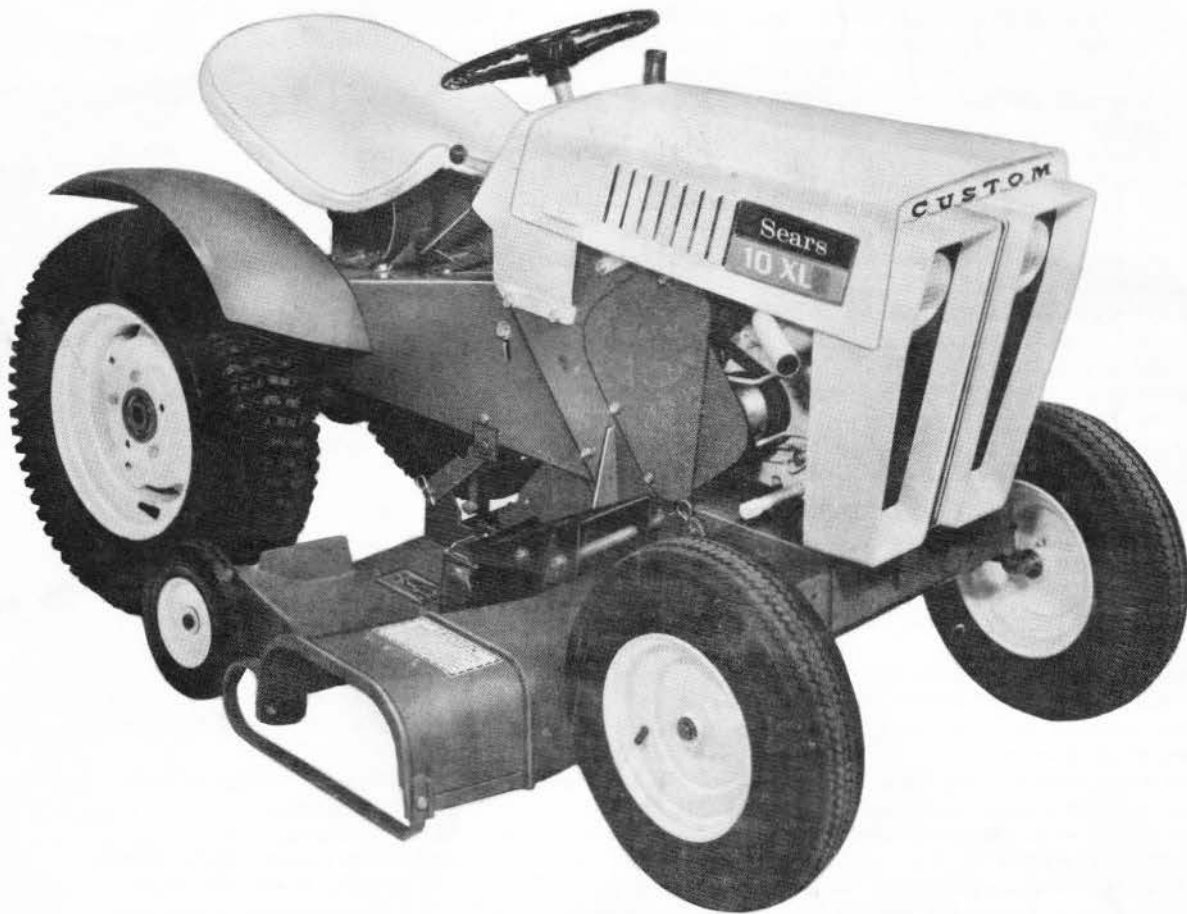


ASSEMBLY, OPERATING INSTRUCTIONS
AND PARTS LIST FOR

SEARS 38" ROTARY MOWER ATTACHMENT

Sears

MODEL NUMBER
917.250121



8724H

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

1.9.68

PRINTED IN U. S. A.

PARTS IDENTIFICATION

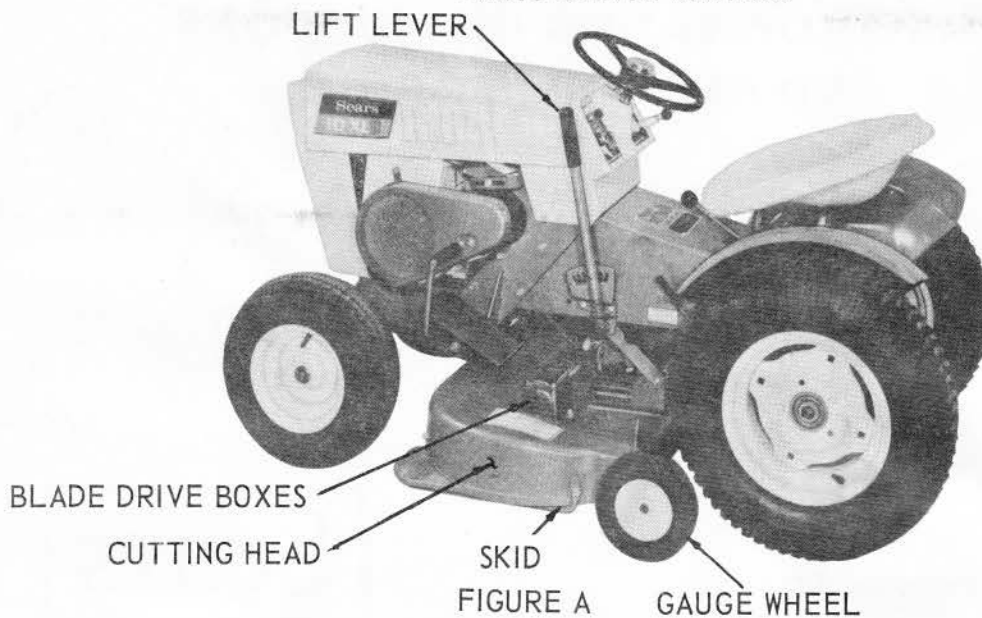


FIGURE A GAUGE WHEEL
SAFETY PRECAUTIONS

1. Place tractor shift lever in neutral and mower clutch handle in forward or disengaged position before starting engine.
2. Never place hands or feet under cutting head while blades are turning.
3. Never refuel engine while it is in a building, and always when refueling engine be careful that fuel can does not touch battery. A spark from the fuel can touching the battery terminal could cause a fire.
4. Do not store equipment with fuel in the tank inside a building where fumes may reach an open flame or spark. Let engine cool before storing in any enclosure.
5. Never fill the fuel tank while the engine is hot, and wipe off any gasoline that might have been spilled. Replace fuel cap on tank.
6. Only persons thoroughly acquainted with the rules of safe operation should be permitted to use mower, and no minor should operate this machine unless properly supervised.
7. Do not attempt to get off or on tractor when mower is engaged and tractor engine is running. Wait until mower blades stop turning before getting off tractor. Be sure brake is on securely, and when engine has stopped, shift transmission into low or reverse gear, especially on an incline or hill.
8. Always keep brake properly adjusted.
9. Keep blades sharp and properly balanced.
10. If your equipment should start vibrating, stop the engine and check for damage or loose parts. Vibration is generally a warning of trouble.
11. When putting on new blades, put on new spring washer and lock nut. Check lock nut at frequent intervals to make sure they are tight.
12. Always keep hands, feet or loose fitting clothing away from spinning blades and belts. Do NOT mow crossways on steep slopes because of danger of tractor tipping over.
13. Do not attempt to clean blade housing, or to otherwise clean, adjust, or repair machine before stopping tractor engine and blade clutch lever is in disengaged position.
14. Never leave machine running unattended, and remove key from ignition switch to prevent children from starting tractor or mower.
15. Always keep all shields and guards in place. Mower or tractor must never be operated with any shields or guards removed.
16. Never run engine inside a building, without opening all doors and windows.
17. 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 mower blade, may be thrown, causing injury to people, to property, or to the mower itself.
18. Keep persons away from mowing area. Although area has been supposedly cleared of foreign objects, small objects may have been overlooked and may be discharged or thrown by moving parts.
19. Always drive slowly over uneven ground, on hills and curves to prevent tipping of tractor.
20. Do not operate the tractor in high gear going down hill, and do not turn sharp corners while going down hill. If it is necessary to stop tractor while going down hill, do so quickly to prevent tractor from picking up speed during the declutching to braking operation. NOTE: The engine produces considerable braking action when throttled back to idling speed without declutching, and this procedure is recommended before applying brake.
21. Do not shift gears while going up steep hills. Choose a low enough gear to climb hill without stopping and shifting gears. If it is necessary to stop while going up hill, do so quickly to prevent tractor rolling backward. When starting tractor in motion going up hill, use one of the lowest gears, reduce engine speed and engage clutch gradually to prevent tractor from "rearing up".
22. Do NOT operate tractor crossways on inclines which have greater than a 25% slope. A 25% slope is a 2½ foot rise in every 10 feet. Do NOT operate tractor going up or down hill if the slope is greater than 35%

INTRODUCTION

Although this Mower is simple to operate and care for, it is very important that instructions as outlined in this manual be studied and followed very closely before beginning to assemble.

Each Mower is given a thorough inspection before shipment; however, it is important that it be again checked at the time of receipt to ascertain if any damage has occurred in transit.

The Mower shipment consists of:

STANDARD EQUIPMENT

Stock Number 32-25012

Sears, Roebuck and Co. and Simpsons-Sears Limited reserve 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, Operating Instructions and Safety Precautions should be studied very closely before beginning to assemble your Mower. A key letter in the following paragraphs refers to a key letter in an adjoining illustration, except when otherwise stated. When R.H. (Right Hand) and L.H. (Left Hand) are used, it should be understood to mean from a position behind and facing the Mower (or direction of travel).

SETTING UP INSTRUCTIONS

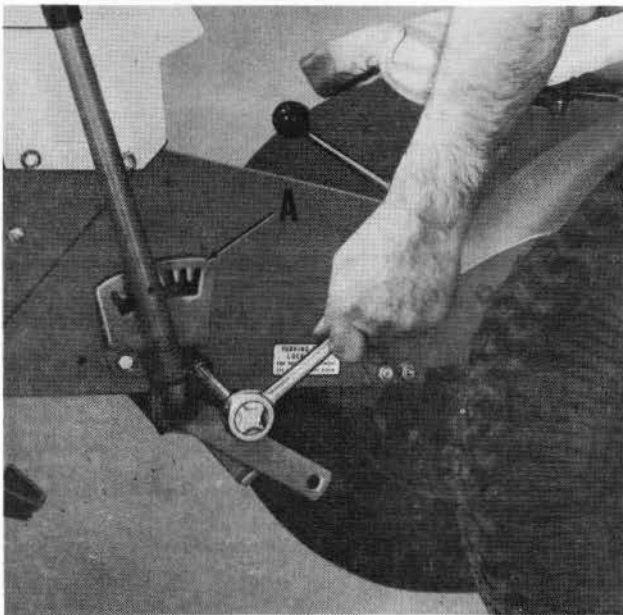


FIGURE B

1. Place lift lever assembly under tractor with lever on left hand side of tractor. Bolt quadrant (A) to L.H. side of tractor with two 3/8 - 16 UNC x 1 hex head machine bolts and keps nuts found in plastic bag. See Figure B. Tighten bolts securely.

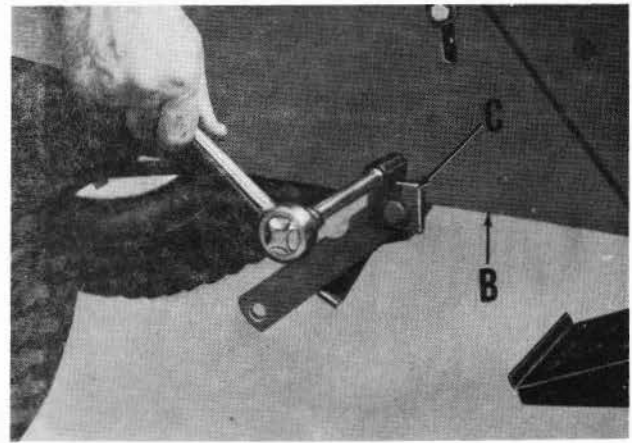


FIGURE C

2. Bolt lifter bracket (C) to R.H. side of tractor (B) with remaining 3/8 - 16 UNC x 1 hex bolt and keps nut, see Figure C. Tighten bolts securely.
3. Assemble gauge wheels to mower housing assembly. See height of cut adjustment, page 5, and assemble wheels to the height of cut you desire.

Normally the wheels should be assembled to the second hole from the bottom. This will give a normal cutting height of approximately 1-7/8 inches.

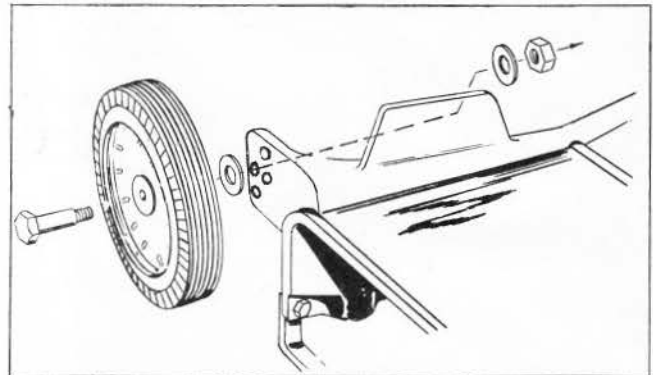


FIGURE D

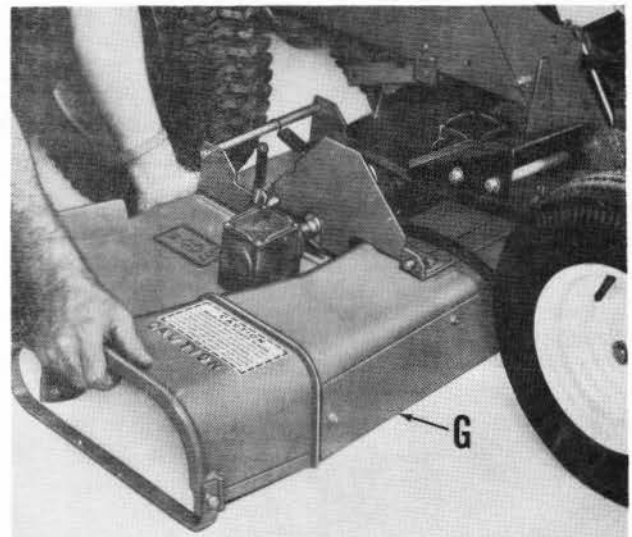


FIGURE E

4. Slide mower housing assembly (G) under tractor from R.H. side.

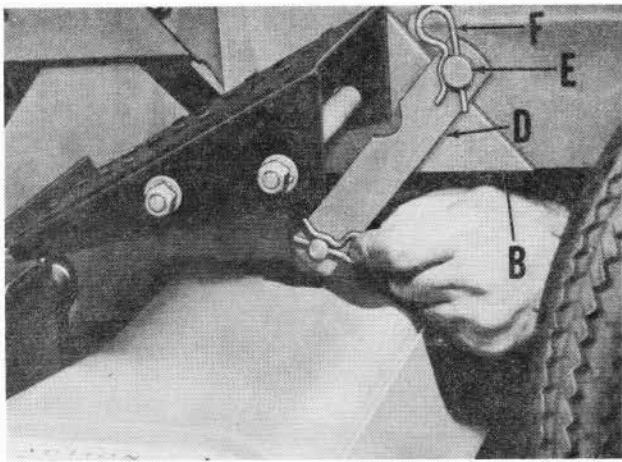


FIGURE F

5. Attach two pivot links (D) to pins (E) on tractor (B) as shown with notch in links toward rear of tractor. Secure with spring retainers (F).

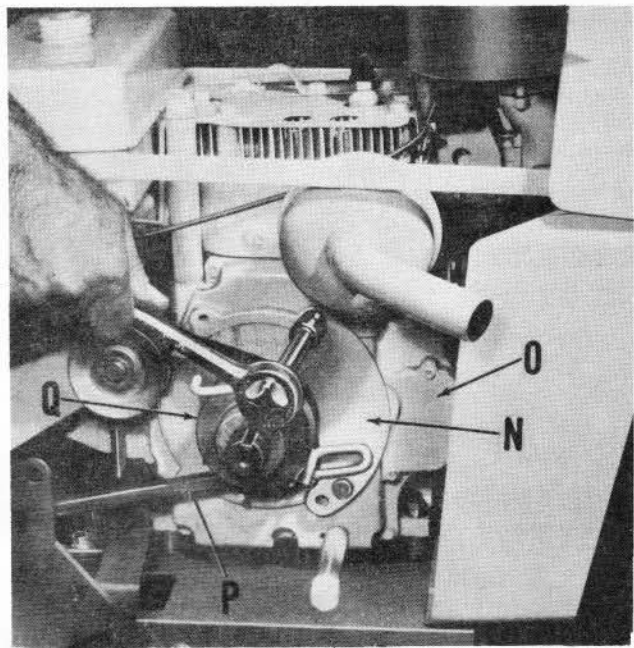


FIGURE H

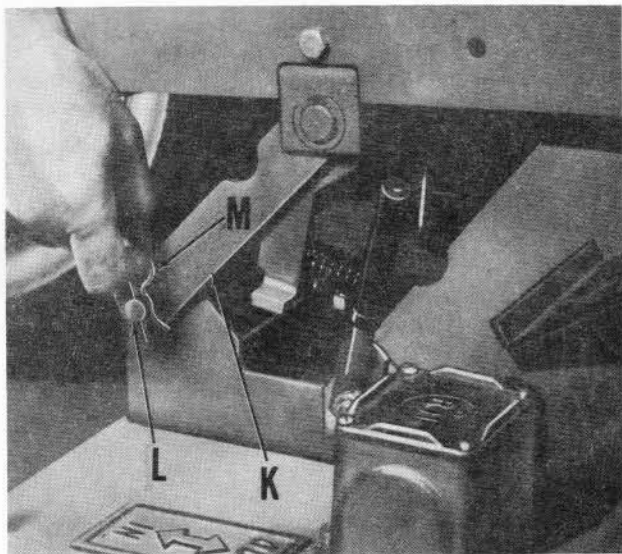


FIGURE G

6. Slip lower ends of rear pivot links (K) on end of pivot shaft (L) and secure with retainer springs (M). See Figure G. NOTE: It may be necessary to move lift lever so that pivot links can be slipped on end of pivot shaft.
7. Remove belt guide (N), from engine (O), and thread mower drive belt (P), through tractor frame and to engine pulley (Q). NOTE: Belt guard can be pulled out far enough so that belt will pass between guard and engine pulley. Replace and position belt guide (N), so that there is 1/8" clearance between finger on belt guide (N), and belt (P), when clutches are engaged. See Fig. H. NOTE: Belt guard is removed to show belt and engine pulley.

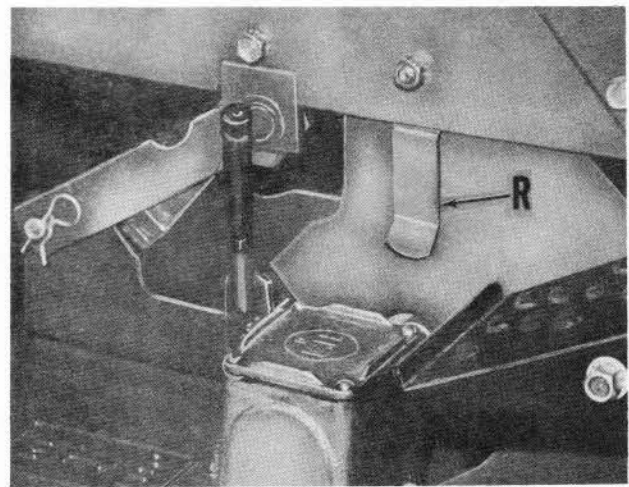


FIGURE J

8. Lower mower so that gauge wheels are touching the ground, and assemble pulley guard guide (R) to tractor frame as shown with slotted truss hd. machine screw, and keps nut, found in plastic bag. Tighten nut securely.

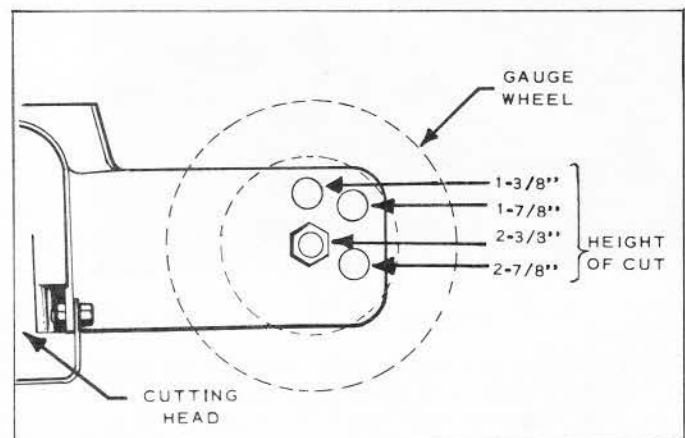


FIGURE K

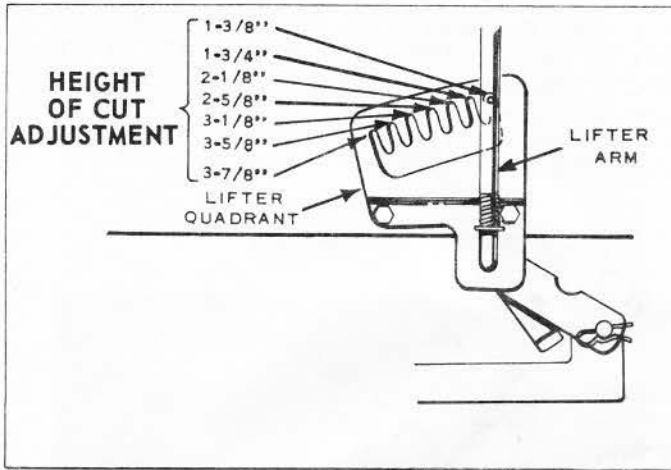


FIGURE L

HEIGHT OF CUT ADJUSTMENT

The cutting height of this mower is determined by the position of the gauge wheels on the cutter head or by the position of the lifter arm. See Figures K and L.

The cutter head is of the full floating type and will closely follow the contours of the ground when using the gauge wheels for the height of cut position.

However, if gauge wheels are suspended slightly no tearing of the turf will occur on sharp turns by gauge wheels sliding sideways. Therefore it is recommended that the lifter arm be used for height of cut, see Fig. L, and adjust gauge wheels to clear ground by approximately 1/2 inch, see Fig. K, when tractor is on level ground and lifter arm has been set to height of cut desired.

To operate the lifter arm grasp handle grip on tube, push down and move lifter arm to desired height of cut, see Fig. L. Raise tube so that pin will engage desired notch in lifter quadrant. This locks mower in that height position

OPERATING CONTROLS

The blade clutch handle is located at right hand side of mower on cutter head. The blade clutch handle engages the mower blades. When the handle is in OUT or forward position the mower blades will not rotate. To engage the mower blades, move handle to the rear or IN position.

READ "SAFETY PRECAUTIONS" ON PAGE TWO CAREFULLY BEFORE OPERATING YOUR MOWER.

1. Set engine speed to about half throttle before engaging or disengaging mower. In either case, engage or disengage blade clutch handle slowly. After mower is engaged set to full throttle. Caution; Never engage mower except when sitting on tractor seat, and keep hands and feet from beneath the housing. After mower is engaged, advance throttle lever to full throttle.
2. Push down on foot pedal and move gear shift lever to speed desired. Normal cutting speed is 3.75 MPH which is second gear on a three speed custom or third gear on a four speed custom tractor. If engine pulls down shift to a lower gear. In extreme heavy cutting it may be necessary to use the lowest gear and take a narrower cut.
3. Normal cutting height is 1-7/8 inches, height of cut can be adjusted by means of lift lever. Moving the lever forward raises the mower, while moving it backwards lowers the mower.

With lift lever set to height of cut desired and with tractor and mower on level ground adjust gauge wheels so that they clear the ground by approximately 1/2 inch.

4. Make right hand turns for cutting normal height grass. This way the clippings are chopped up finer. The last cut can be raked or swept up eliminating cleaning the entire yard. In tall grass or weeds make left turns so that grass or weeds are discharged on the cut area. This is necessary so that clippings can be discharged freely.

When mowing next to buildings or flower beds the tractor should be driven so discharge of mower will be away from building or flower bed.

CLEANING MOWER

Water pressure from a garden hose can be used in cleaning underside of housing, if cleaned immediately after use before clippings under mower have a chance to dry out.

For cleaning underside of mower that has dry packed clippings, place tractor in gear or engage parking-brake. Jack up front of tractor and clean underside of mower with putty knife or similar tool. **IMPORTANT:** Jack must be secure or blocks used under front wheels so that tractor will not fall when cleaning under mower.

This should be done whenever an accumulation of grass builds up under mower. Mower will do a much better job of mowing if underside of mower is kept clean.

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CLEAR THE AREA OF RUBBISH BEFORE MOWING...

BLADE CARE

For best results, cutting blade must be kept sharp. The blade can be sharpened with a few strokes of a file, or on a grinding wheel. Do not attempt to sharpen while on mower.

When grinding, care should be taken to maintain blade balance and the blade should be checked for proper balance before re-installation on mower. Imbalance of blade or bent blade will cause excessive vibration when running, and eventual damage to mower or engine.

To insure satisfactory operation, it is recommended that before the start of each mowing season, the old blades be discarded and replaced with new blades Catalog No. 25029. Mower blades can be ordered at all Sears retail stores and mail order outlets.

CAUTION: BE SURE TO REMOVE ENGINE SPARK PLUG WIRE BEFORE ATTEMPTING TO REMOVE BLADE.

BLADE SAFETY DRIVE WASHER

This mower has a blade safety drive washer on each blade shaft. This is a soft piece between blade and shaft so engineered that if the blade strikes a solid object this blade safety drive washer will break, preventing damage to expensive shaft or mower blade.

Two extra blade safety drive washers are shipped with each mower, and can be found in the plastic bag with other small parts and Instruction Book.

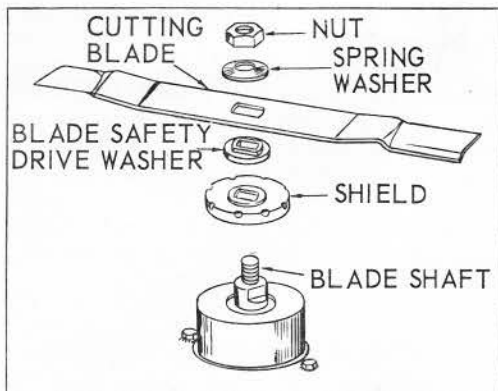


FIGURE M-1

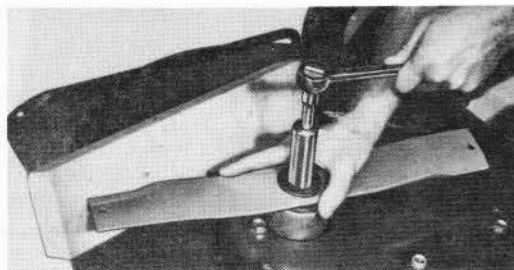


FIGURE M
BLADE REPLACEMENT

1. Mower can be removed from tractor to replace blades. Wedge a wood block between blade and mower housing to hold mandrel from turning when removing nut holding blade.

Threads on shaft are R.H. Remove spring washer and slip blade from blade safety drive washer. Remove blade safety drive washer from shaft and examine. IF DAMAGED, REPLACE. TWO EXTRA BLADE SAFETY DRIVE WASHERS WERE SHIPPED WITH MOWER. Reassemble blade safety drive washer, blade, spring washer and nut. Tighten nut securely. NOTE: A shield is on shaft between blade safety drive washer and blade shaft drive box. Refer to Fig. M-1.

MOWER LUBRICATION

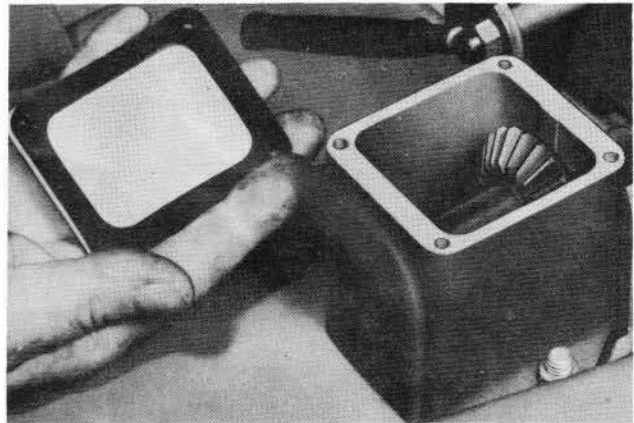


FIGURE N
BLADE DRIVE GEAR BOXES

1. Check grease in gear boxes after each fifty hours of operation. Each gear box should be approximately 1/2 full. Lubrication - Gear case moly lithium grease 4 oz. required in each case can be purchased from Sears automotive department under no. 28-5803.
2. To check, remove gear box cover by unscrewing 4 screws. See Figure N.

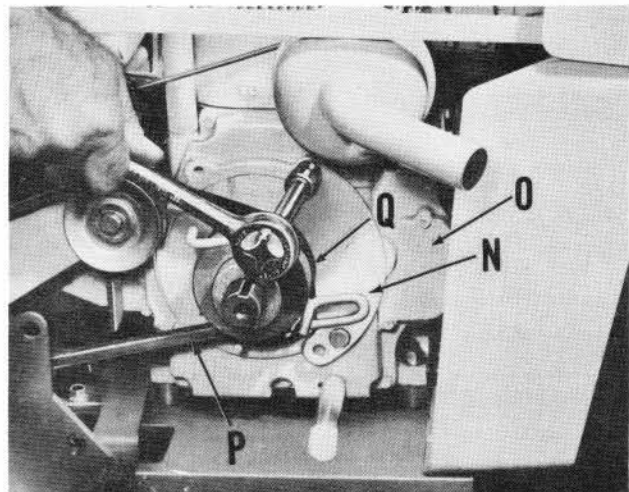


FIGURE O

1. Place blade clutch handle in blade "out" position. Remove bolt holding belt guide (N), to engine (O), and remove belt (P), from engine pulley (Q). Rebolt belt guide to engine, and adjust so that there is 1/8" clearance between finger on belt guide and belt. Push belt down through tractor frame. NOTE: Belt guard is removed to show belt guide.

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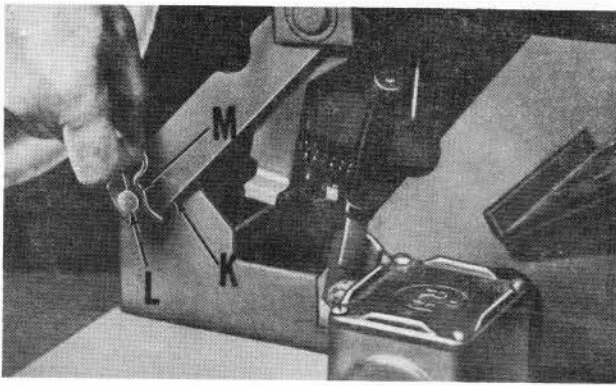


FIGURE P

- Remove spring retainer (M) from pivot shaft (L) and slip rear pivot links (K) from ends of shaft. Replace spring retainers on shaft to prevent losing them. See Fig. P.

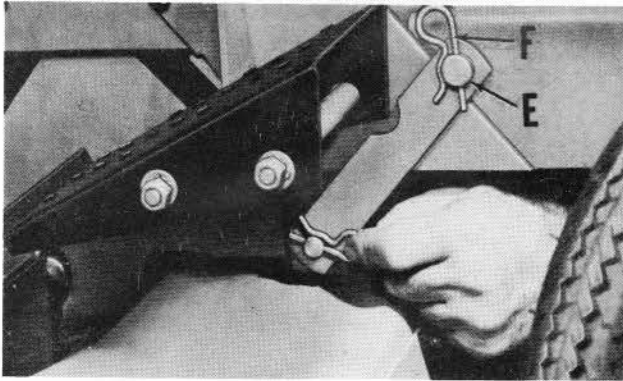


FIGURE Q

- Detach front pivot links by pulling retainer spring (F), and remove links from pivot pin (E). Replace retainer spring in pivot pin to prevent losing it.

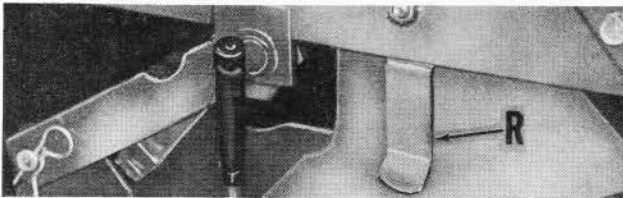


FIGURE R

- Remove pulley guard guide (R) from tractor frame. Save guide, screw and nut so that it can be reassembled to frame when mower is reassembled to tractor.

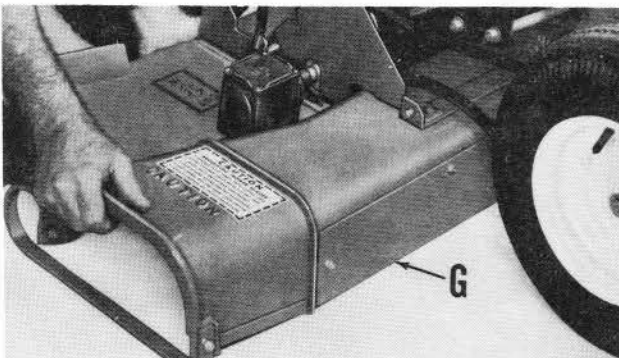


FIGURE S

- Slip mower housing (G) out from R.H. side of tractor. See Figure S.

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REPLACE MOWER BELT

The mower drive belt can be replaced without removing mower head from mower if so desired. See steps below for removing belt.

Remove mower from tractor. See "To Remove Mower From Tractor".

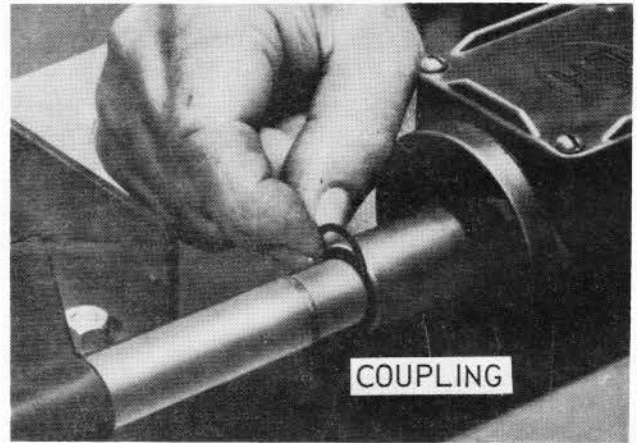


FIGURE T

- Remove two E rings from both ends of shaft and pulley assembly. See Figure T.

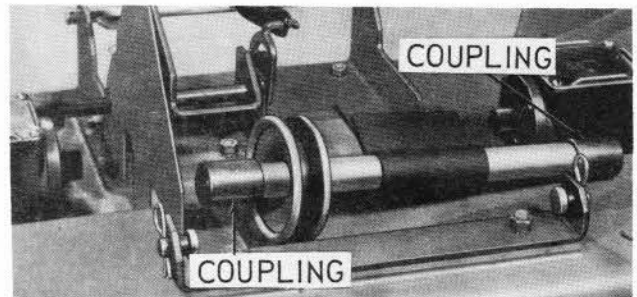


FIGURE U

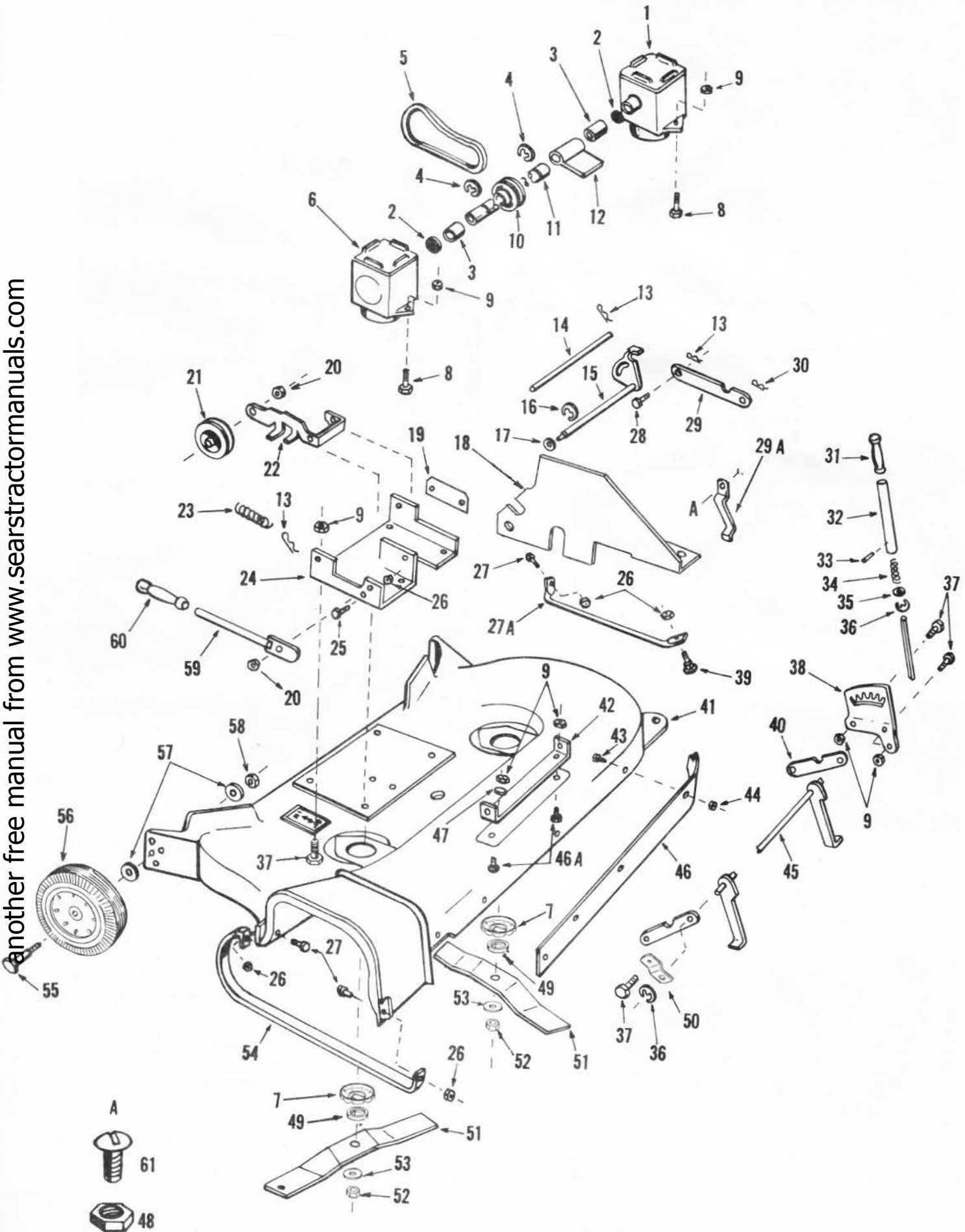
- Slide coupling toward center of mower. This releases shaft and pulley assembly from gear boxes. See Figure U.
- Lift shaft and pulley assembly, remove old belt and replace with new belt.
CAUTION: RECHECK BLADE TIMING TO BE SURE THAT THE BLADES ARE AT RIGHT ANGLES TO EACH OTHER.
- Check that blades are at right angles to each other. If they are not blades will strike each other and cause damage to blades, blade safety drive, washers, etc. Put shaft and pulley into position. Slip couplings outward so that shaft and blade drive boxes are connected and replace E rings to lock couplings in place.

Reverse procedure for reassembly.

CAUTION: Be sure felt disc (Key No. 27, page 11), is in proper position. Lubricate felt disc with a couple drops of No. 30 motor oil.

SEARS 38" MOWER ATTACHMENT -- MODEL NUMBER 917.250121

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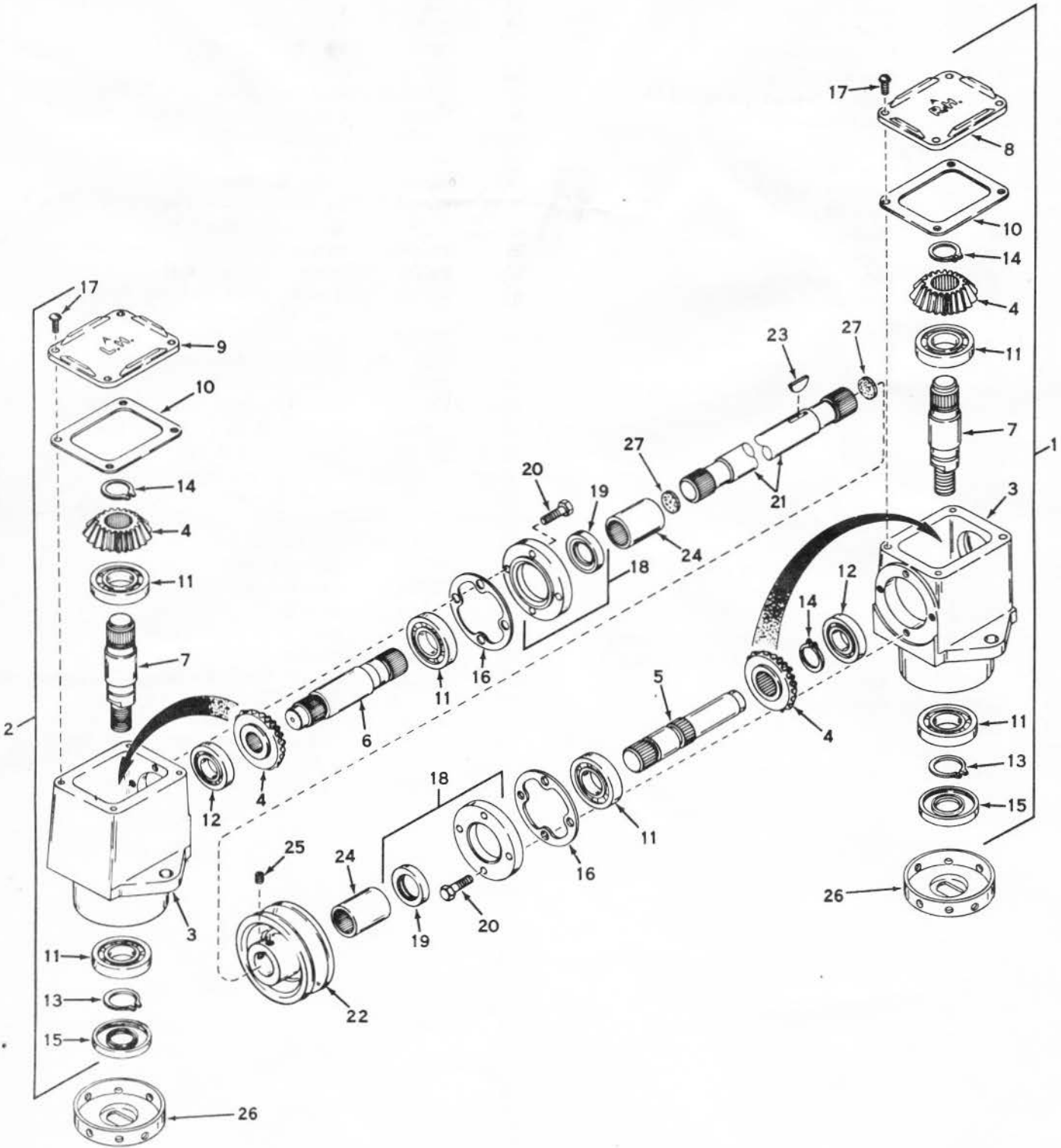
SEARS 38" MOWER ATTACHMENT -- MODEL NUMBER 917.250121

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	794002	Head Assembly L.H.	31	4938H	Handle Grip
2	788039	Disc Felt	32	5063H	Lifter Tube
3	786028	Coupling Input Shaft	33	1306H	Roll Pin 1/4 x 1 1/2
4	5231H	Crescent Ring	34	5107H	Lifter Spring
5	8718H	V Belt <i>Goodyear 120</i>	35	19252016	Washer 49/64 x 1 1/4 x 16 Ga.
6	794001	Head Assembly R.H.	36	98000071	E Ring Truarc 5133-75
7	786044	Shield	37	455170	Hex Hd. Machine screw W/sems Lockwasher 3/8 - 16 x 1
8	455171	Hex Hd. Machine screw W/sems Lockwasher 3/8 - 16 x 1 1/2	38	7876H	Lifter Quadrant
9	5394H	Lock Nut 3/8 - 16	39	109101	Sq. Neck Carriage bolt 5/16 - 18 x 1
10	786030	Sheave	40	8720H	Pivot Link (rear)
11	776085	Shaft, Input Connector	41	626A162	Mower Housing horn guard and skid
12	5028H	Wiper Sleeve	42	5942H	Front Housing Mount
13	4939M	Retainer Spring	43	187745	Hex Hd. machine screw W/sems helical lockwasher 1/4 - 20 x 3/4
14	6085H	Pivot Shaft	44	271178	Keps Nut 1/4 - 20
15	626A23	Control Arm Assembly	45	626A159	Lifter Arm Assembly
16	98000073	E Ring Truarc 5133-50	46	7875H	Front Cover
17	19171716	Washer 17/32 x 1-1/16 x 16 Ga.	46A	133906	Flat Hd. screw 3/8 - 16 x 1 1/4
18	7717H2	Pulley Guard	47	120394	Washer 13/32 x 13/16 x 16 Ga.
19	---	Model Plate	48	271190	Nut, Keps 3/8 - 16
20	9416771	Nylock Nut 3/8 - 24	49	5170H <i>10541</i>	Blade Safety Drive Washer
21	5146H	Idler Pulley	50	5086H	Lifter Bracket
22	4346H1	Idler Bracket	51	7874H	Blade R.H. Order Cat. No. 25029
23	5106H	Blade Clutch Spring	52	03541000	Nylock Nut 5/8 - 18
24	5599H1	Housing Mount	53	9914M	Spring Washer
25	424209	Hex Hd. machine screw W/sems Lockwasher 5/16 - 18 x 7/8	54	7873H	Horn Guard
26	271184	Keps Nut 5/16 - 18	55	4361H	Axle Bolt
27	431938	Hex Hd. machine screw W/sems helical lockwasher 5/16 - 18 x 1	56	615A38	Wheel and Tire complete
27A	7872H	Skid	57	4376H	Washer
28	6091H	Pivot Pin	58	9415562	Nylock Nut 3/8 - 16
29	5050H	Pivot Link (front)	59	615A20	Blade Clutch handle assembly
29A	8310H1	Pulley guard guide	60	4379H	Shift Handle Grip
30	4940M	Retainer Spring	61	133153	Slotted Rd. hd. machine screw 3/8 - 16 x 3/4
			---	8724H	Instruction and Parts Book

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SEARS 38" MOWER ATTACHMENT -- MODEL NUMBER 917.250121

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	794041	Head assy., Right hand (Incl. Nos. 3, 4, 5, 7, 8 and 10 thru 20)	15	788029	Seal, Oil
2	794042	Head assy., Left hand (Incl. Nos. 3, 4, 6, 7 and 9 thru 20)	16	788030	Gasket, Cap
3	770026	Housing, Right angle drive	17	792025	Screw, Rd. hd. self tap, 10 - 24 x 1/2
4	778046	Gear, Miter	18	786029	Cap and Seal assy., Retainer (Incl. Nos. 19 & 20)
5	776040	Shaft, Input pinion	19	788031	Seal, Oil
6	776041	Shaft, Input pinion	20	792026	Screw, Hex hd. 1/4 - 20 x 7/8
7	776092	Shaft, Output	21	776085	Shaft, Input connector
8	772034	Cover, Right hand	22	786030	Sheave
9	772035	Cover, Left hand	23	788020	Key, Woodruff, 3/16 x 3/4
10	788028	Gasket, Cover	24	786028	Coupling, Input shaft
11	780034	Bearing, Ball	25	792027	Set screw, Knurled hd. cup pt., 5/16 - 24 x 1/4
12	780024	Bearing, Ball	26	786044	Shield
13	788019	Ring, Snap	27	788039	Disc, Felt
14	788018	Ring, Snap			

Safety First



626X54

REFUEL ONLY AFTER ENGINE HAS COOLED DOWN.



DO NOT START, RUN, OR REFUEL IN A CLOSED BUILDING.



START IN NEUTRAL

MODEL NUMBER 917.250121

The above number is the Model Number of your Sears 38" Mower Attachment. The Model Number will be found on a plate located on the left hand side of the housing mount. Refer to Key No. 19, pages 8 and 9. Always mention the Model Number in all correspondence regarding the 38" Mower Attachment 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 -- 917.250121.
4. The NAME of item -- 38" Mower Attachment.

Each part has been given a key letter or number which is used only as a guide to find the part number. DO NOT use the key letter or number when ordering repair parts.