OPERATING INSTRUCTIONS AND PARTS LIST

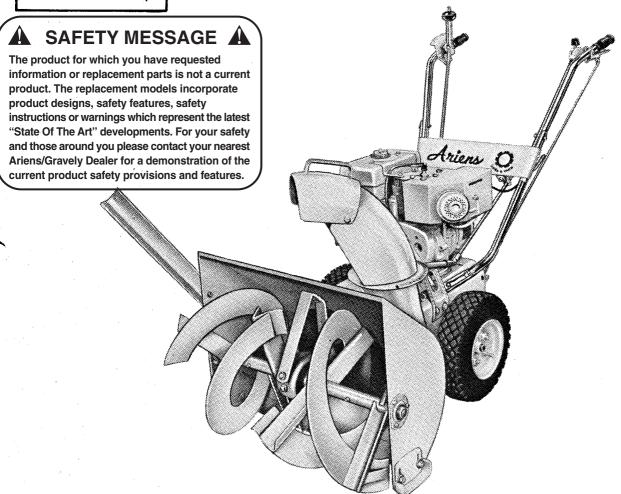


SNO-THRO

AND ATTACHMENTS



10M-L60D - 06001 & up 10M-L60 - 15001 & up 10M-L35 - 06001 & up



Price \$.25

WARRANTY

Ariens products are guaranteed to the original retail purchaser for 90 days from date of purchase. This guarantee does not include belts, tires, etc., and other items subject to normal wear. Ariens Company warranty DOES NOT APPLY ON ENGINES WHICH ARE SEPARATELY COVERED BY WARRANTY OF ENGINE MANUFACTURER. Ariens Company makes no warranty with respect to trade accessories, such being subject to the warranty of their respective manufacturer. No warranty is extended to sheet metal items or finishes.

The warranty will not apply to any products repaired or altered outside of our factory or any Ariens Authorized Service Distributor or Dealer which, in the company's judgment affects its condition or operation. Neither will the warranty apply to any failures resulting from misuse, neglect, or accident. Ariens Company is not responsible for damage in transit or handling by common carriers.

The company reserves the right to incorporate any changes in design without obligation to make them on units previously sold.

ASSEMBLY

1. GENERAL

When unpacking, be sure to remove all loose items from the carton.

2. HANDLE BARS

- a. Place the holes in the flat section of the lower handle bars over the studs projecting from the frame on each side of the engine.
- b. Place a lockwasher and nut on each stud but do not tighten.
- c. Remove the four bolts from the lower portion of the upper handle bar and slide the upper handle bar in place between the curved portions of the lower handle bars (figure 1).
- d. Replace the bolts in the top hole of the lower handle bar and the matching hole in the upper handle bar. Fasten with locknut.
- e. Hook the bent portion of the nameplate panel over the lower handle bar and slide it up until the holes in the panel line up with the lower holes in the lower handle bar. Fasten in place with bolts and locknuts.
- f. Tighten the nuts holding the lower handle bar to the frame.

3. SHIFT CONTROL

Position the shift control (figure 1) on the inside of the handle bars on the right hand side so that the holes in the control line up with the holes in the handle bar. Fasten the control to the handle bar with two hex head cap screws and lockwashers (figure 1).

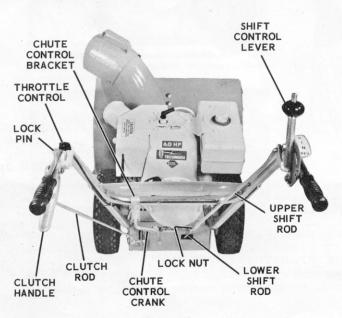


Figure 1

4. SHIFT ROD

- a. Pull up as far as possible on the lower shift rod which projects from the rear of the engine mounting frame (figure 1). Screw the threaded portion of the upper shift rod over the lower shift rod.
- b. Depress the rod in the center of the shift knob and pull the shift control back to the REVERSE position.
- c. Thread the upper rod on the lower rod until the opposite end of the rod drops easily into the hole in the shift control. Place a washer over that portion of the rod which projects through the shift control and insert a cotter pin to hold the rod in place.
 - d. Tighten the locking nut on the lower shift rod.

5. TRACTOR CLUTCH ROD

- a. Using a rubber band or piece of string, tie the clutch operating handle up against the handle bar.
- b. Slide the straight end of the clutch rod through the ball joint mounted on the clutch arm (figure 1) and place the bent end of the rod through the hole in the clutch operating handle (figure 1).
- c. Place the small washer over the rod and fasten in place with a cotter pin through the hole in the rod.
 - d. Tighten the clamping screw in the ball joint.
- e. Remove the ties holding the clutch operating handle to the handle bar and remove the wedge from under the clutch arm.
- f. Pull up on the clutch operating handle and lock the handle in place with the locking pin. Depress the button on top of the shift lever and move the lever to the neutral position. If the shift lever does not move freely to the neutral position, loosen the clamping screw in the ball joint, slide the wedge in a little farther, and retighten the clamping screw and remove the wedge.

6. CHUTE CONTROL ROD (Sno-Thro Only)

- a. Slide the chute control rod through the hole in the bracket (figure 1) mounted on the left hand side of the handle bar.
- b. Slide the rod into the hole in the universal joint.
- c. Line up the hole in the rod with the hole in the universal joint and insert the cotter pin.
- d. Position the bracket mounted on the handle bar so the chute control rod will turn freely. Tighten the bracket.

7. THROTTLE CONTROL LEVER

- a. Using the two self-tapping screws provided, fasten the throttle control lever (figure 1) to the inside of the left hand handle bar.
- b. Run the control cable down the inside of the handle bar and fasten in place with the spring clip.

8. TIRES

For shipping purposes, the tires on the Sno-Thro have been inflated to greater than normal pressure. Before using the machine, deflate the tires to approximately 12 lbs. to provide greater traction. Be sure to balance the air pressure in both tires so the machine will travel in a straight line.

LUBRICATION

1. ENGINE

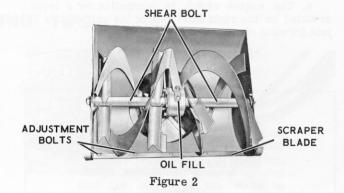
See manufacturer's instruction book for engine lubrication instructions.

NOTE

SAE-10 oil is recommended for use in the engine crankcase when operating at temperatures below 32 degrees Fahrenheit.

2. TRACTOR DRIVE

- a. At the start of each season grease the gears, spline and fork shaft, jaw coupling, and chains. Use a grease gun to lubricate the zerk fitting on the chute control bracket support.
- b. Two or three drops of light oil should be placed on the shift lever release rod.
- c. Two or three drops of oil on the throttle cable wire will result in smooth operation. Place the throttle in the STOP position, oil the center wire on the cable and work the throttle control back and forth a few times to distribute the oil.
- d. Once each season, remove the wheels and grease the ratchet wheel mechanism lightly.



3. SNOW ROTOR GEAR CASE

- a. Drain and refill the snow rotor gear case with Ariens Gear Oil every 25 hours of operation.
 - b. To drain and refill, proceed as follows:
 - (1) Remove drain plug and allow oil to drain.
- (2) Tip machine back on handle bars (be sure clutch is locked in UP position).
- (3) Pour oil into filler hole until it starts to run out of drain hole.
 - (4) Replace drain and filler plug.

OPERATING INSTRUCTIONS

1. ENGINE

Complete instructions for the operation, lubrication, and proper care of the engine will be found on the instruction plate attached to the engine fan housing and in the manufacturer's instruction book packed with the engine. Do not attempt to start the engine before following the manufacturer's recommendations for servicing the engine.

2. TRACTOR CLUTCH

a. The clutch operating handle mounted on the left handle bar serves to disengage the clutch so that the shift control lever may be moved to any one of the four forward speeds or reverse position.

- b. When the clutch operating handle is squeezed together, the shift control lever may be moved to the desired position. Releasing the handle will cause the machine to move in the direction and at the speed selected. Once the tractor is in motion, it is possible, without using the clutch, to shift to a higher or lower speed range. However, the clutch must be used when moving the shift control lever into neutral or reverse.
- c. A locking device is provided on the clutch operating handle to hold the handle in the non-operating position. The lock is released by a light squeeze on the handle.

3. SHIFT CONTROL LEVER

a. The shift control lever mounted on the right handle bar governs the speed and direction of the tractor.

b. To move the shift control lever to a selected position, squeeze the tractor clutch operating handle together, depress the button on the center of the shift control lever knob and move the lever.

4. ENGINE CLUTCH

a. The engine clutch is controlled by a lever mounted on the right hand side of the unit (figure 3) just forward of the engine.

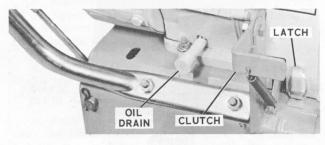


Figure 3

b. When the clutch control lever is pulled up, the idler pulley bears against the drive belt causing the engine to drive the tractor transmission and the blower.

c. When the clutch control lever is pushed down, the idler pulley moves away from the drive belt, loosening the belt and operation of the transmission and blower stops.

5. THROTTLE CONTROL (6 h.p. Models)

The throttle control lever controls the speed of the engine and therefor, in conjunction with the shift control lever, the speed of the machine. Moving the lever toward "F" increases engine speed and moving it toward "S" decreases speed. Moving the lever to the STOP position will stop the engine. ALWAYS MOVE THE THROTTLE LEVER TO "PARK" AFTER ENGINE HAS STOPPED.

6. CHOKE

A manual choke is provided which is operated by a lever projecting from the carburetor cover on the left-hand side of the engine. The lever can be placed in any one of four detent positions. Moving the lever toward the rear of the machine places it in the FULL CHOKE position. As it is moved forward it will pass through the 3/4 CHOKE and 1/2 CHOKE position to the NO CHOKE position fully forward.

7. RUNNERS

a. An adjustable runner is provided on each end of the blower housing (figure 4). Raising or lowering these runners controls the distance the scraper blade is held above the surface being plowed. Adjustment is accomplished by loosening the two nuts on each of the runners to the desired position and retightening the nuts.



Figure 4

b. In wet snow which packs easily, it may be necessary to remove the runners or turn them upside down so the scraper blade will scrape clean.

ENGINE STARTING INSTRUCTIONS

MANUAL STARTING

a. Fill engine fuel tank with "regular" grade gasoline.

b. Place engine clutch lever in down position and shift control lever in NEUTRAL.

c. Place choke lever in FULL CHOKE position.

d. At temperatures below 10° F depress primer button and pull recoil starter slowly past compression one time. Release primer button.

- CAUTION --

Do not use primer when temperature is above 10° F.

e. Pull recoil starter handle quickly. When engine starts, move choke control lever to 3/4 CHOKE position (first notch). After 20-seconds move choke control lever to 1/2 CHOKE position (second notch). After an additional 15-seconds move choke control lever to NO CHOKE position.

f. If engine does not start on first pull, move choke lever to 1/2 CHOKE position before pulling recoil starter a second time.

g. If engine does not start by the fifth pull, move choke lever to NO CHOKE position and pull starter twice. Repeat starting procedure. DO NOT REPRIME ENGINE BEFORE TRYING AT LEAST FIVE PULLS ON STARTER.

ELECTRIC STARTING

a. Plug the AC cord from the starter control box into a 120-volt AC receptacle. Plug the DC cord from the starter control box onto the starter on the Sno-Thro.

b. Follow steps a and b in MANUAL STARTING paragraph above. Place choke in NO CHOKE position.

c. Operate the switch on the starter control box.

d. Allow engine to crank for four or five revolutions and then move choke lever to FULL CHOKE position. As soon as the engine starts, release the switch and move the choke control lever to the 3/4 CHOKE position. After the engine has warmed up, move the choke to the NO CHOKE position.

- CAUTION

Do not depress the primer button when starting the engine with the electric starter.

8. SCRAPER BLADE

An adjustable scraper blade (figure 2) is provided along the bottom edge of the blower housing. During operation, this blade runs along the surface being plowed directing the snow into the rotor and insuring a clean plowed surface. After considerable usage, this blade may wear and should be adjusted. The blade is adjusted by loosening the five nuts holding it to the housing, sliding it down to the new position and retightening the nuts. The blade is also designed so that it may be reversed if one side be-

comes worn beyond further adjustment.

9. CHUTE

The chute is designed so that it can be rotated through an angle of 240 degrees by means of the chute control crank mounted on the handle bar. By turning the handle of the control rod, the blown snow can be directed either to the right or left or straight ahead. An adjustable deflector on the chute can be moved up or down to control the height and distance the snow will be blown.

OPERATING TIPS

1. PRE-OPERATION PRECAUTIONS

a. Before the first snowfall, be sure the area on which the Sno-Thro is to be operated is free of sticks, stones, toys, or other obstructions which might be picked up by the machine during operation.

- WARNING

Do not allow children to run through the snow being discharged from the machine. Small objects picked up by the machine may be thrown out of the chute with considerable force and can cause serious injury.

- b. Always allow the engine to warm up to operating temperature before operating the machine in snow.
- c. Operate the machine in a cleared area before operating in snow for the first time. Become familiar with all controls before attempting to plow.

2. CHUTE ADJUSTMENT

- a. The distance the Ariens Sno-Thro will throw the snow will depend on the type of snow being plowed. In general, the position of the deflector will determine the distance the snow will be thrown. Tipping the deflector down will decrease the throw and tipping the deflector up will increase the throw.
- b. The distance the snow is blown can also be controlled to some extent by the engine speed. Slowing down the engine by means of the throttle control will decrease the throw and increasing speed will increase the throw. By a combination of engine speed and deflector adjustment, the snow can be blown a distance suitable for nearly every situation.

NOTE

When operating the Sno-Thro in wet snow, occasionally a sufficient amount of snow may stick inside the chute causing partial clogging. To prevent this, it is suggested that the inside of the chute be coated with a light layer of "paste" or "spray" wax. It is recommended that the inside of the chute be waxed two or three times each season.

3. DEPTH ADJUSTMENT

How clean the Sno-Thro will plow is determined by the adjustment of the runners. See paragraph 9 of Operating Instructions. When plowing on concrete or other hard surfaces, these runners should be adjusted so that they are approximately 1/8-inch below the scraper blade. When plowing gravel driveways or other gravel areas, adjust the runners so that they are 1-1/4-inch below the scraper blade.

4. PLOWING

- a. When plowing reasonable depths of ordinary snow, it is only necessary to guide the machine along the path to be plowed and to adjust the chute to blow the snow with the wind. When making the second pass on a sidewalk or driveway, allow the machine to overlap the previous path slightly to insure complete removal of snow.
- b. When plowing through a very heavy drift, such as one formed by the passing of the street plow, it may be necessary to "inch" into the drift when making the first pass. To do so, allow the machine to enter the drift and then declutch. Allow the machine to blow away the accumulation of snow and then move the machine forward deeper into the drift by releasing the clutch handle. Again declutch and allow the machine to clear away the snow. Continue this process until a complete path has been cleared through the drift. On the second pass through the drift, allow the path of the machine to overlap the first path.

5. SHEAR BOLT REPLACEMENT

Occasionally a small object may enter the rotor and become jammed in the blades. When this occurs the shear bolts, located on the shaft on which the rotor is mounted, will break and allow the rotor to turn freely on the shaft. Before plowing can be continued, this shear bolt must be replaced. See figure 2. USE ONLY ARIENS SHEAR BOLTS. USE OF OTHER TYPES OF BOLTS MAYRESULT IN SEVERE

DAMAGE TO MACHINE.

WARNING

If it becomes necessary to replace the shear bolts or necessary to remove any obstruction from either the rotor, blower, or chute, STOP THE ENGINE.

SERVICE

1. GENERAL

Ariens dealers will provide any service which may be required to keep the Sno-Thro operating at peak efficiency. The Sno-Thro is equipped with the finest quality engine obtainable. However, should servicing be required, it can be obtained from an Ariens dealer or authorized engine manufacturer's

2. ENGINE

Refer to the engine instruction book and nameplate on the engine for maintenance instructions. If repairs or service are needed for engine, see an Ariens dealer or nearest authorized engine service station.

service station. Consult an Ariens dealer for details.

ACCESSORIES

1. SNO-ROTOR SHIELD KIT (4-10M)

The SNO-ROTOR SHIELDKIT is available as optional equipment for either model SNO-THRO. It consists of two semi-circular steel plates which bolt to the sides of the SNO-SCOOP to protect the SNO-ROTOR blades from damage due to obstacles hidden in the snow.



Figure 5

2. SLICER BAR (3-10M)

The slicer bar is furnished as standard equipment on Model 10M-L60 SNO-THRO and is available as optional equipment for Model 10M-L35. The SLICER BAR is designed to cut through deep snow and dislodge crusted or drifted snow. The bar can be installed on either side of the SNO-SCOOP.



Figure 6

3. TIRE CHAINS (1-10M)

Tire chain kit number 1-10M is available for 3x12 semi-pneumatic tires.

4. TIRE CHAINS (2-10M)

Tire chain kit number 2-10M is available for 4:00x6 pneumatic tires.

5. PNEUMATIC TIRE KIT (6-10M)

Pneumatic tire kit 6-10M is available for Model 10M-L35 Sno-Thro.

6. ELECTRIC STARTER (5-10M)

a. A 110 volt AC operated electric starter kit is available for the Model 10M-L60 Sno-Thro. The kit consists of a 110 volt DC starter which mounts permanently on the engine and a box containing a momentary contact switch and a set of rectifiers.



Figure 7

b. In operation, the rectifier is plugged into a 110 volt AC receptacle and the output of the rectifier connected to the starter motor by means of a polarized cord. Pressing the switch then operates

the starter. When the engine has started, the cord is disconnected from the starter and the Sno-Thro operated in the usual manner.

7. RATCHET WHEEL KIT (8-10M)

A ratchet wheel kit is available for the Model 10M-L60 Sno-Thro which provides easy maneuverability on corners.



Figure 8

REEL MOWER ATTACHMENT

1. ATTACHING

- a. Remove the carburetor heater box and instal the air cleaner. Refer to detailed instructions packed with the attachment.
- b. Hook the notches in the lower portion of the reel mower frame over the rod passing through the forward section of the tractor frame.
- c. Tip the two sections together, being sure the jaw clutch on the mower and tractor are lined up.
- d. Insert and tighten the two 3/8-inch cap screws through the top of the tractor frame and into the mower frame.

2. CUTTING HEIGHT ADJUSTMENT

Cutting height is adjusted by loosening the bolt in the caster wheel mounting bracket (1, fig.9) and sliding the bracket up or down to the desired cutting height. Level machine by loosening bolts (2, fig. 9) and rotating shaft until machine is level. Tighten bolts.

3. DISCHARGE

The mower may be adjusted for front or rear discharge. Moving the deflector all the way forward will provide rear discharge and moving the deflector all the way to the rear provides front discharge. A catcher basket (Catcher Basket Attachment No. 43-10M) is available for front discharge operation.

4. OPERATION

- a. For operation of the tractor see section on OPERATION paragraphs 1 through 8.
- b. With the engine running, engage the mower clutch and then the tractor clutch.

5. LUBRICATION

- a. Swivel Wheels. A grease fitting is provided on the top of the swivel wheel shaft. Grease the swivel wheel assembly approximately every eight hours of operation.
- b. Gear Case. Drain and refill mower gear case every 100 hours of operation or once each season. Refill with Ariens Gear Oil.

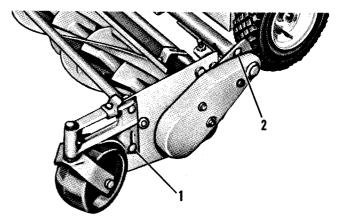


Figure 9

VACUUM ATTACHMENT

1. ATTACHING

- a. Remove the carburetor heater box and instal the air cleaner. Refer to detailed instructions packed with the attachment.
- b. Hook the notches in the lower portion of the vacuum frame over the rod passing through the forward section of the tractor frame.
- c. Tip the two sections together, being sure the jaw clutch on the vacuum and tractor are lined up
- d. Insert and tighten the two 3/8-inch cap screws through the top of the tractor frame and into the vacuum frame.
- e. Insert the bag support bar in the bracket on the right hand side of the frame and fasten in place with capscrew and nut. Pass the loop on the bag over the support bar.

f. Slide the opening in the discharge bag over the bracket and around the discharge chute. Strap in place.

2. HEIGHT ADJUSTMENT

Nozzle height is adjusted by loosening the set screws in the caster wheel sockets and positioning the wheels for the desired nozzle height.

3. OPERATION

- a. For operation of the tractor see section on OPERATION.
- b. With the engine running engage the clutch on the vacuum and then the engine clutch on the tractor

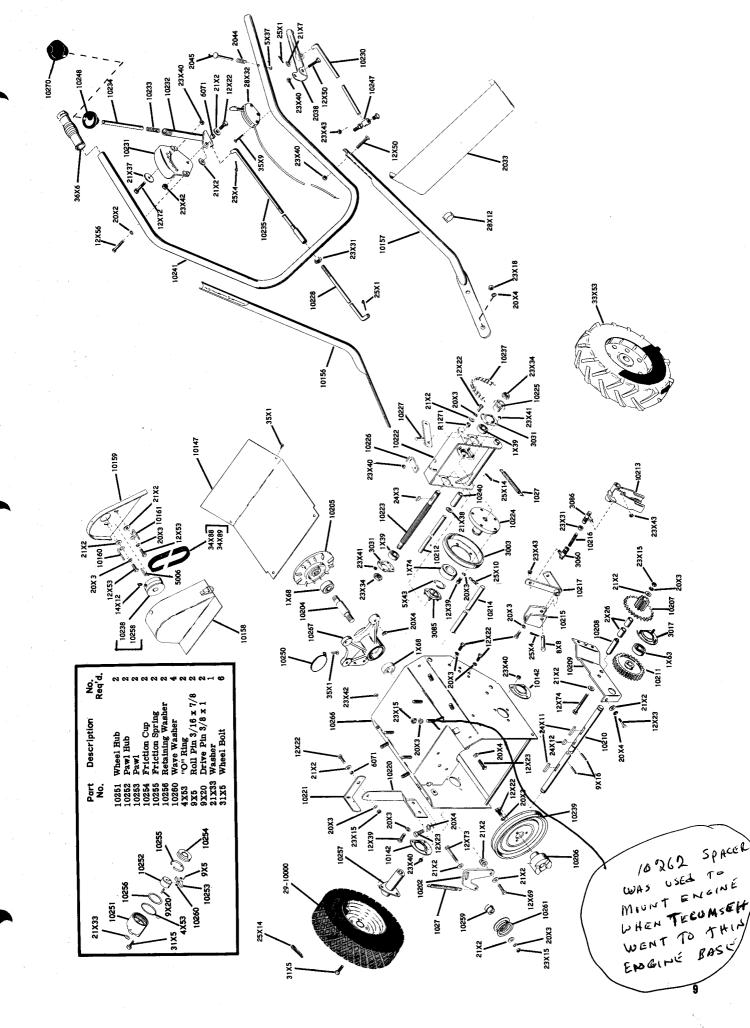
4. LUBRICATION

A grease fitting is provided on top of the caster wheel shaft. Grease the caster wheel assembly approximately every eight hours of operation.

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Part No.	Description	No. Req'd.	No.	Description	Reg'd.	Š		Req'd.
1027	Spring	2	10225	Sprocket		12X56	Cap Screw H. H. 1/4-20x1-1/4	27
R1271	Spacer Bushing	1	10226	Neutral Catch	-	12X69	Cap Screw $5/16-18x1-1/4$	г,
2033	Handle Bar Panel	-	10227	Throwout Lever		12X72	Cap Screw H. H. 1/4-20x1-1/4	·
2038	Clutch Handle	1	10228	Lower Shift Rod		12X'/3	Cap Screw 5/16-18XI-5/4	→
2044	Spring	1	10230	Clutch Rod	·	12X74	Cap Screw H. H. 5/16-18x2-3/4	⊣ 6
2045	Lock Pin	Н	10231	Shift Quadrant		14X12	Socket Head Set Screw	N 0
3003	Friction Disc	-	10232	Shift Handle		20X2	Lockwasher 1/4	7 7
3017	Bearing Flange	7	10233	Spring	, - -	20X3	Lockwasher 5/16	47.
3031	Bearing Flange	7	10234	Release Rod		20X4	Lockwasher 3/8) ;
3060	Ball Joint - Quick Disconnect	1	10235	Shift Rod		21X2	Wrought Washer 5/16	- T
3085	Bearing Flange	7	10237	Chain	-	21X7	Wrought Washer 1/4	- ·
3086	Ball Joint - Solid	1	10238	Engine Sheave (10M-L60)	-	21X37	Wrought Washer 9/32	1 0
2006	Key	-	10239	Sheave		21X38	Shim Washer	l or 2
6071	Spacer	87	10240	Spacer 3/4		23X15	Hex Nut 5/16-18	,
10142	Bearing Flange	7	10241	Upper Handle Bar*		23X18	Hex Nut 3/8-16	4· c
10147	Bottom Cover	-	10247	Ball Joint		23X31	Hex Nut 5/16-24	21 0
10156	R. H. Lower Handle Bar*	-	10248	Shift Ball	<u> </u>	23X34	Hex Lock Nut 3/8-18	7 9
10157	L. H. Lower Handle Bar*	-	10250	Starter Hole Cover (10M-L60)		23X40	Hex Nut 1/4-20	13
10158	Outer Belt Guard	-	10257	Hub (10M-L60)	~	23X41	Hex Lock Nut 3/16-24	x (
10159	Inner Belt Guard	-	10258	Pulley (10M-L35)	_	23X42	Hex Lock Nut 5/16-18	N 6
10160	R. H. Belt Finger	-	10259	Bearing Spacer		23X43	Hex Lock Nut 5/16-24	n •
10161	L. H. Belt Finger	-	10261	Idler		24X3	Woodruff Key	٦ ٥
10202	Idler Arm	-	10266	Tractor Frame	-	24X11	Feather Key	Ν •
10204	Spindle	-	10267	Bearing Housing	-	24X12	Woodruff Key	⊣ ¢
10205	Drive Plate	-	10270	Boot, Shift Knob		75X1	Cotter Pin 3/32x3/4	N G
10206	Jaw Coupling	-	10272	Carburetor Heater Box, 6 HP Lauson		25X4	Cotter Pin 1/8x1	27 (
10207	Pinion & Sprocket	-	10273	Carburetor Heater Box, 3-1/2 HP Lauson		25X10	Hair Fin Cotter	NI G
10208	Pinion Stub Shaft	7	1X39	Ball Bearing	~	25X14	Cotter Pin $1/8x1-1/4$	n •
10209	Support Bracket	-	1X63	Ball Bearing	67	28X12	Cable Clip	٦,
10210	Axle Shaft	1	1X68	Ball Bearing	N .	28X32	Throttle Control (10M-L60)	٦ (
10211	Spur Gear	7	1X74	Thrust Bearing		31X5	Wheel Bolt (10M-L60)	9 0
10212	Bracket Pin		2X26	Bushing	27	33X49		77 (
10213	Sliding Fork	-	5X37	Snap Ring		33X20	Tube (10M-L60) - 29-10000	7 0
10214	Fork Shaft		5X43	Snap Ring	 -	33X52	Wheel $(10M-L60)$	7 0
10215	Lever Bracket	-	8X8			33X53	Tire & Assembly (10M-L35)	.77
10216	Connecting Link	-	9X16	Pin 3/16x1	27	34X88	Belt (10M-L60)	⊣ •
10217	Transfer Lever	~	12X22	Screw H. H. 5/	91	34X89	Belt (10M-L35)	- (
10220	Clutch Bracket	П	12X23	Screw H. H.	9 1	35X1	Tapping Screw #10x1/2	က
10221	Clutch Lever	-	12X39	Screw H. H. 5/16-18x1/	-	32X8	Tapping Screw #10x1 (10M-L60)	71 0
10222	Disc Bracket	-	12X50	Screw H. H.	വ (30X0	Plastic Grip	77
10223	Splined Shart		12X23	Cag Screw H. H. 5/16-24x3/4	77			
10224	Friction Disc Hub							
# Coop *	* Choosify plated or painted							

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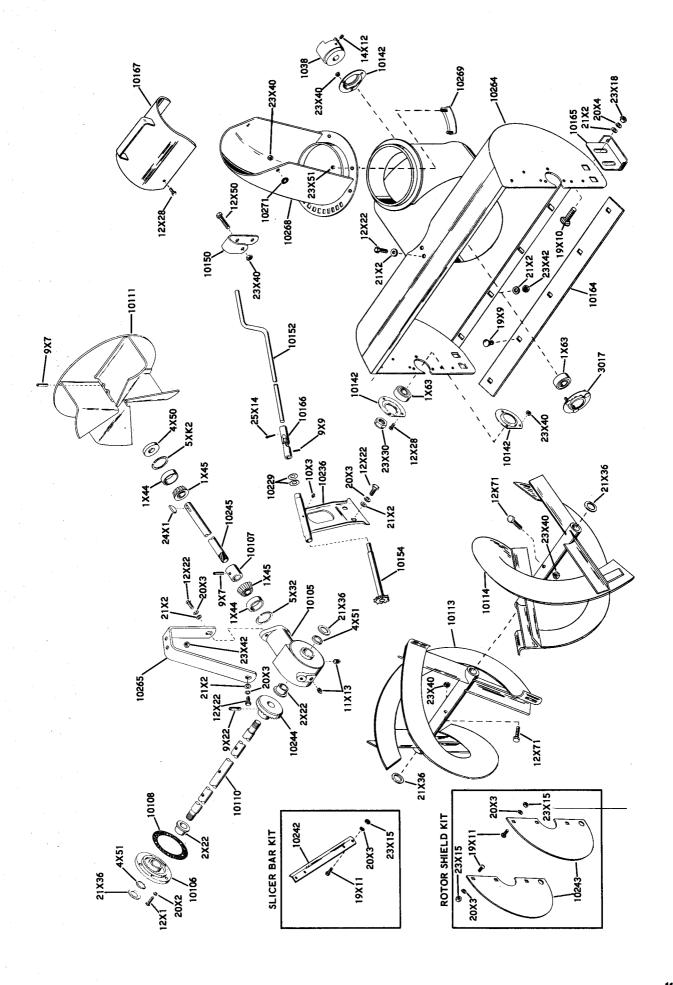


SLICER BAR 3-10M

SNO-SCOOP PARTS LIST

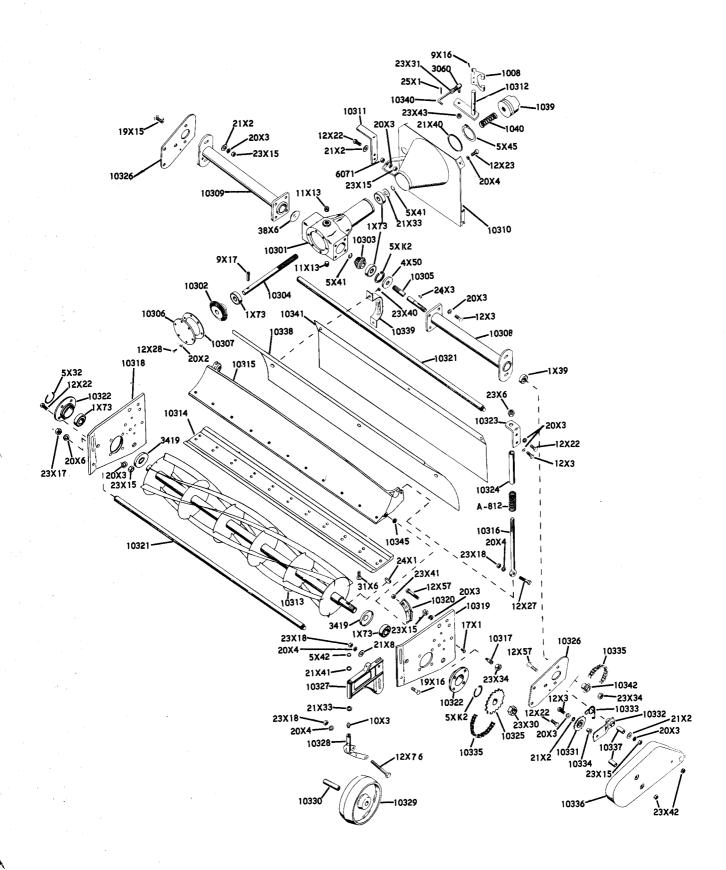
PARTS LISTED ARE USED ON BOTH MODELS EXCEPT AS OTHERWISE INDICATED

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1038 3017 10105	Jaw Clutch Bearing Flange Gear Case		4x50 4x51 5x32	Seal Seal Snap Ring	1 27 -	10242	Slicer Bar	₩.
10106 10107 10108	Gear Case Flange Bearing Spacer Gasket	ਜਜਜ	5XK2 9X7 9X9	Snap Ring Roll Pin 1/4x1-1/4 Roll Pin 1/8x1	ਜ ਲ ਜ	19X11 20X3 23X15	Carriage Bolt 5/16-18x3/4 Lockwasher 5/16 Hex Nut 5/16-18	N N N
10110 10111 10113	Front Gear Shaft Fan R. H. Rake	. – – –	9X22 10X3 11X13	Roll Pin 5/16x1-3/8 Zerk Fitting Pipe Plug 3/8 Sq. Hd.	1 O E			
10142 10150 10152 10154	L. H. Kake Bearing Flange Rod Hanger Chute Control Crank Control Sprocket	нюннн	12X22 12X28 12X28 12X50 12X71	Cap Screw H. H. 5/16-18x3/4 Cap Screw H. H. 1/4-20x1/2 Cap Screw H. H. 1/4-20x1/2 Shear Bolt	o & ⇔ ⇔ &			
10164 10165 10166 10167	Scraper Blade Runner Universal Joint Deflector Wave Washer		14X12 19X9 19X10 20X2	Socket Set Screw 5/16-18x3/8 Carriage Bolt 5/16-18x1/2 Carriage Bolt 3/8-16x3/4 Lockwasher 1/4	ଥ ro 4 ro 4	SNO-	SNO-ROTOR SHIELD KIT 4-10M	-10 M
10236 10244 10245	Chute Control Support Helicon Gear Helicon Dinion Shaft		20X4 21X2 21X3	Lockwasher 3/8 Washer 5/16 Washer 1-3/8x 880x1/16	454	Part No.	Description	No. Req'd.
10264 10265 10268 10269 10271	Blower Housing Front Gear Case Support Discharge Chute Chute Clamp Rubber Washer	1 60 60	23X30 23X30 23X40 23X42 23X51	Full Nut 3/8-16 Hex Locknut 3/4-16 Hex Locknut 1/4-20 Hex Locknut 5/16-18 Keps Nut Woodruff Key	42429	10243 19X11 20X3 23X15	Rotor Guard Carriage Bolt 5/16-18x3/4 Lockwasher 5/16 Hex Nut 5/16-18	ଷେତ୍ତ
1X45 1X63 2X22	Bearing Cup Bearing Cone Ball Bearing Flange Bushing	1 01 00 01	25X14	Cotter Pin 1/8x1-1/4				,



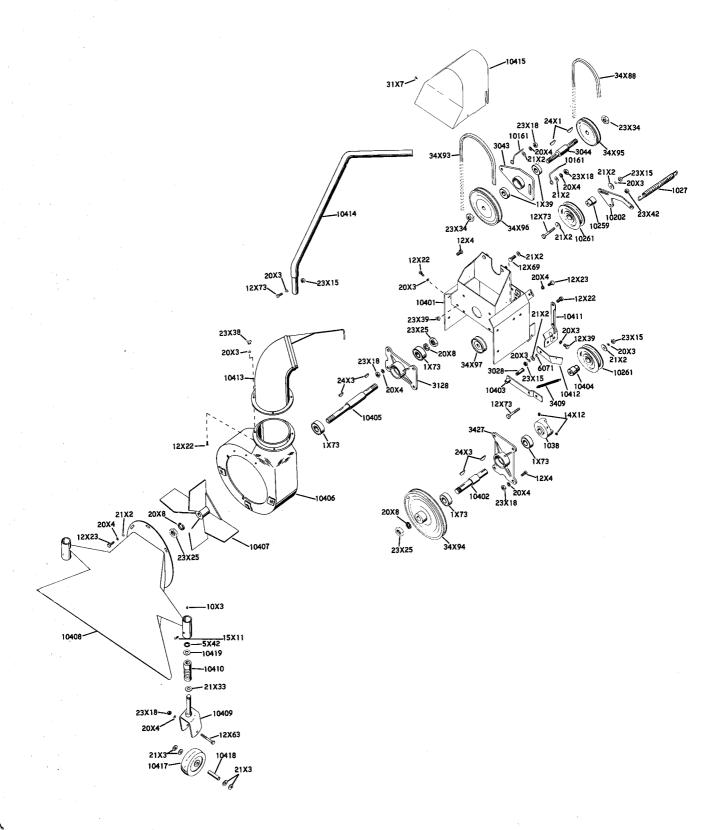
PARTS LIST REEL MOWER

Part	Description	No.	Part	Description	No.
No.	*	Req'd.	No.	·	Req'd.
1008	Fork	1	1X39	Ball Bearing	1
1039	Jaw Clutch	1	1X73	Ball Bearing	5
1040	Spring	1	1X75	Ball Bearing	1
3060	Ball Joint	1	4X50	Seal	ī
3419	Bearing Slinger	2	5X32	Snap Ring	1
6071	Spacer Bushing	1	5XK2	Snap Ring Kit	2
10301	Bevel Gear Case	1	5 X4 1	Snap Ring	2
10302	Bevel Gear	1	5X42	Snap Ring	2 2
10303	Bevel Pinion	1	5X45	Snap Ring	1
10304	Gear Shaft	1	9X16	Roll Pin	2
10305	Pinion Shaft	1	9X17	Roll Pin	2 1
10306	Gear Case Cover	ī	10X3	Zerk Fitting, 1/4-28	2
10307	Gasket	ī	11X13	Pipe Plug	2
	Support Arm, L. H.	î	12X3	Hex Hd Capscrew 5/16-18x1	11
	Support Arm, R. H.	î	12X22	Hex Hd Capscrew 5/16-18x3/4	13
	Mounting Bracket	ī	12X23	Hex Hd Capscrew $3/8-16 \times 3/4$	2
	Clutch Lever	i	12X27	Hex Hd Capscrew $3/8-16 \times 3/4$	2
	Fork Shaft	1		Hex Hd Capscrew $3/3-10 \times 1-3/4$ Hex Hd Capscrew $1/4-20 \times 1/2$	6
10313		1		= · · · · · · · · · · · · · · · · · · ·	3
	Bed Knife	1	12X57		
	Bed Plate		12X76	Hex Hd Capscrew 3/8-16 x 4-3/4	2
	Adjusting Rod	1	17X1	Round Hd Machine Screw 10-24x1/2	6
10317		2	19X15	Carriage Bolt 5/16-18x1	4
	R.H. Frame Side	2	19X16	Carriage Bolt 3/8-16x1-1/4	4
		1	20X2	Lockwasher 1/4	6
	L.H. Frame Side	1	20 X 3	Lockwasher 5/16	31
	Shroud Support	2	20X4	Lockwasher 3/8	10
10321		2	20X6	Lockwasher 1/2	4
10322		2	21X2	Wrt. Washer 5/16	7
	Adjustment Support	2	21X8	Wrt. Washer 3/8 Plated	4
10324		2	21X33	Washer, 1.375 OD x .755 ID x .125	3
10325		1	21X40	Washer, $3-1/2$ OD x 2.380 ID x .125	1
10326		2	21X41	Washer 1 ODx.754 IDx.032	2
10327		2	23X6	Hex Nut $1/2$ -20 SAE	2
10328		2	23X15	Hex Nut 5/16-18	18
10329		2	23X17	Hex Jam Nut $1/2-13$	4
10330		2	23X18	Hex Nut 3/8-16	8
10331		1	23X30	Lock Nut 3/4-16 Gripco	1
10332		1		Hex Nut 5/16-24	1
10333	Idler Spring	1	23X34	Lock Nut 5/8-18 Gripco	3
10334	Idler Spacer	1	23X40	Lock Nut 1/4-20 Gripco	5
10335	Chain	1	23X41	Hex Lock Nut 10-24	6
10336	Chain Cover	1	23X42	Hex Lock Nut 5/16-18	3
10337		3	23X43	Hex Lock Nut 5/16-24	1
10338		1	24X1	Woodruff Key No. 11	ī
10339	Shroud Spring	2	24X3	Woodruff Key No. 9	i
	Clutch Rod	1	25X1	Cotter Pin 3/32x3/4	1
10341		1	31X6	Bed Knife Screw 3/8-16 Jacobsen	11
10342		1	38X6	Exp Plug, Hubbard 1.775 x .032	1
	Frame Spacer	2	OVO	(use sealer)	1
	Spring	2	1	uise sealeri	



PARTS LIST VACUUM

Part No.	Description	No. Req'd	Part No.	Description	No. Req'd
1027	Spring	1	5X42	Snap Ring	2
1038	Jaw Clutch	1	10 X3	Zerk Fitting	2
3028	Shoulder Bolt	1	12X4	Hex Hd Capscrew, $3/8-16 \times 1$	8
3043	P.T.O. Housing	1	12X22	Hex Hd Capscrew, $5/16-18 \times 3/4$	9
3044	Spindle	1		Hex Hd Capscrew, $3/8-16 \times 3/4$	6
3128	Spindle Housing	1	12X39	Hex Hd Capscrew, $5/16-18 \times 1/2$	2
	Spring	1		Hex Hd Capscrew, $3/8-16 \times 2-3/4$	2
3427	Spindle Housing	1		Hex Hd Capscrew, $5/16-18 \times 1-1/4$	1
6071	Spacer	1		Hex Hd Capscrew, $5/16-18 \times 1-3/4$	3
10161	Belt Finger	2	14X12	Setscrew, $5/16-18 \times 3/8$	2
	Idler Arm	1	15X11	Sq Hd Setscrew, $5/16-18 \times 3/4$	2
10259	Bearing Spacer	1	20X3	Lockwasher, 5/16	14
10261		1	20X4	Lockwasher, 3/8	18
10401	Coupling Frame	1	20X8	Lockwasher, 3/4	3
	Input Spindle	1	21X2	Wrought Washer, 5/16	11
	Idler Arm	1	21X3	Washer, 1/2	8
10404	Idler Spacer	1	21X33	Washer, .755 ID x 1-3/8 OD x .125	2
	Blower Spindle	1	23X15	Hex Nut, 5/16-18	4
	Fan Housing	1		Hex Nut, 3/8-16	12
10407	Fan	1	23X25	Hex Nut, 3/4-10	3
	Pick-up Shout	1	23X34	Locknut, 5/16-18	2
	Caster Fork	2		Wing Nut, 5/16-18	4
10410	Caster Raising Tube	2		Locknut, 3/8-16	1
	Clutch Bracket	1		Locknut, 5/16-18	1
10412	Clutch Lever	1	24X1	Woodruff Key, #11	2
10413	Elbow	1	24X3	Woodruff Key, #9	4
10414	Bag Support Bar	1	31X7	Wing Screw, $10-24 \times 1/2$	2
	Belt Cover	1	34X88		1
	Bag (Not Illustrated)	<u>1</u>	34X93	Belt,	1
	Caster Wheel	2	34X94	7	1
10418	Spacer Bushing	2	34X95	•	1
	Shim Washer	2	34X96	•	1
1 X3 9	Ball Bearing	2	34X97		1
	Ball Bearing	4			_



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