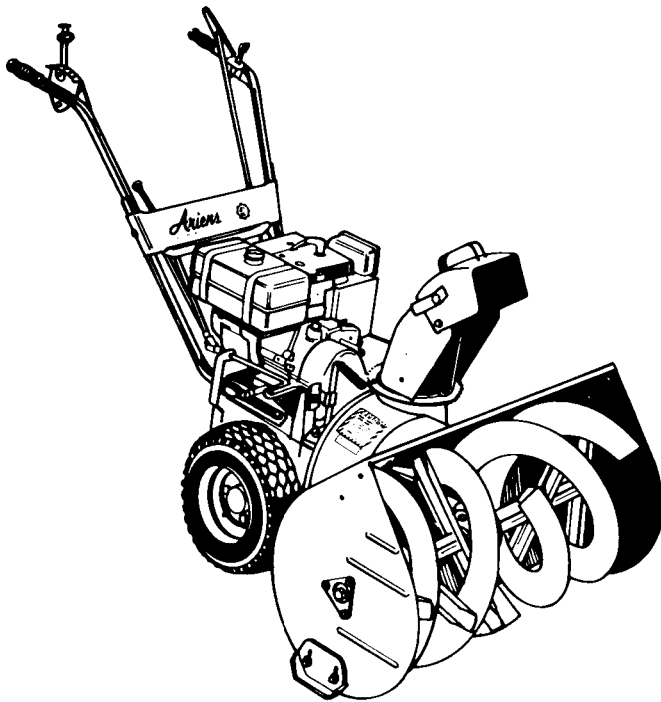


# PARTS AND REPAIR MANUAL

# *Ariens*

10000 - SERIES

## **TRACTOR and SNO-THRO ATTACHMENT**



THIS MANUAL COVERS  
THE COMPLETE LINE  
OF ARIENS 10000  
SERIES SNO-THRO  
TRACTORS & ATTACH-  
MENTS FOR THE  
YEARS 1964 THROUGH  
1974 INCLUSIVE.

**PRM-10000**

1964 THROUGH 1974 INCLUSIVE

Part Number 000136

**ARIENS COMPANY**



**BRILLION, WIS. 54110**

# INDEX 10000 SNO-THRO

1964 THROUGH 1974

**MODEL NUMBER and SERIAL NUMBER** of your machine will be stamped on the frame or printed on the Serial Number Decal which will be located on the frame near the engine on all Ariens products. Do not be confused with other identification plates located on the engine or attachments.



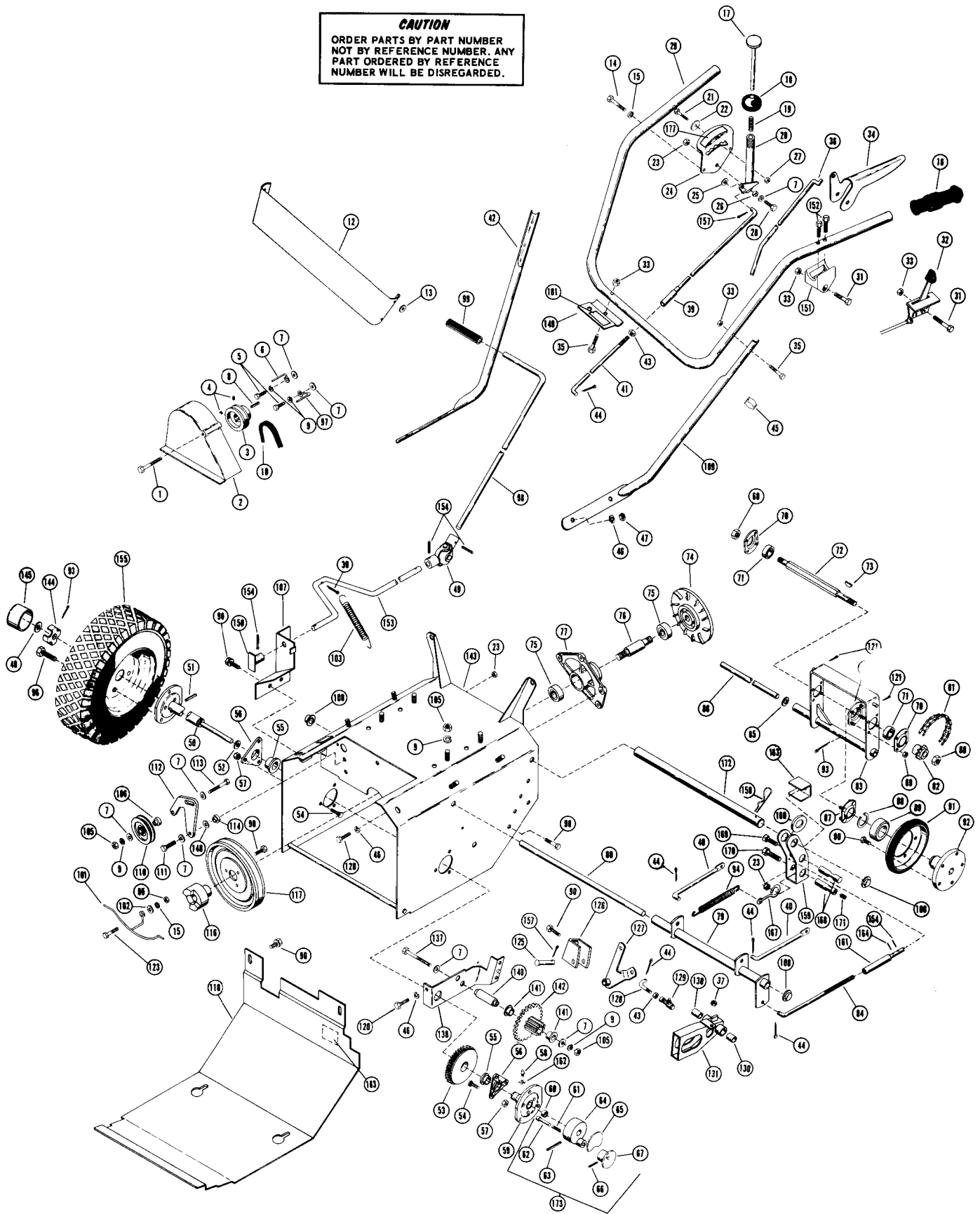
**1. EXPLODED VIEW AND PARTS LIST** ..... **4-38**

YEAR	DESCRIPTION	MODEL	SERIAL	PAGE NO.
1974	32" SNO-THRO ATTACHMENT	910013	007001 & Up	4 through 6
	24" SNO-THRO ATTACHMENT	910017	005001-032264	4 through 6
	8 H.P. SNO-THRO	910018	002001-018319	4 through 6
	6 H.P. SNO-THRO	910019	000101-012804	4 through 6
	8 H.P. SNO-THRO	910020	000101-000264	4 through 6
1973	8 H.P. SNO-THRO	910006	000101-010595	7 through 9
	7 H.P. SNO-THRO	910007	000101 & Up	7 through 9
	7 H.P. SNO-THRO	910008	000101-025430	7 through 9
	8 H.P. SNO-THRO	910009	000101 & Up	7 through 9
	8 H.P. SNO-THRO	910010	000101-006690	7 through 9
	32" SNO-THRO ATTACHMENT	910013	000101-007000	7 through 9
	6 H.P. SNO-THRO	910014	000101-001300	7 through 9
	8 H.P. SNO-THRO	910016	000101-002202	7 through 9
	24" SNO-THRO ATTACHMENT	910017	000101-005000	7 through 9
	8 H.P. SNO-THRO	910018	000101-002000	7 through 9
	8 H.P. SNO-THRO	910021	000101-002204	7 through 9
	32" SNO-THRO ATTACHMENT	910955	009300-009427	7 through 9
	24" SNO-THRO ATTACHMENT	910995	080000-118676	7 through 9
	1972-71	6 H.P. SNO-THRO	910002	000001-015781
7 H.P. SNO-THRO TRACTOR		910942	000001-000874	10 through 12
7 H.P. SNO-THRO		910954	000001-009013	10 through 12
7 H.P. SNO-THRO		910962	000001-021453	10 through 12
5 H.P. SNO-THRO		910965	000001-010850	10 through 12
32" SNO-THRO ATTACHMENT		910955	000001-009246	10 through 12
24" SNO-THRO ATTACHMENT		910995	000001-080000	10 through 12
1970	7 H.P. SNO-THRO TRACTOR	10942	000001-000336	13 through 16
	7 H.P. SNO-THRO	10954	003001-006796	13 through 16
	7 H.P. SNO-THRO	10962	006001-024279	13 through 16
	5 H.P. SNO-THRO	10965	007201-015725	13 through 16
	32" SNO-THRO ATTACHMENT	10955	003101-006921	13 through 16
	24" SNO-THRO ATTACHMENT	10995	027601-055213	13 through 16
1969	7 H.P. SNO-THRO	10954	000001-003000	17 through 20
	7 H.P. SNO-THRO	10962	000001-006000	17 through 20
	5 H.P. SNO-THRO	10965	000001-007200	17 through 20
	6 H.P. SNO-THRO	10969	000001-000615	17 through 20
	6 H.P. SNO-THRO	10970	000001-013824	17 through 20
1968	4 H.P. SNO-THRO	10M4	012101-015755	21 through 23
	5 H.P. SNO-THRO	10M5	006801-014007	24 through 26
	6 H.P. SNO-THRO	10M6	046101-051426	24 through 26
	6 H.P. SNO-THRO	10M6D	045201-058961	24 through 26
	7 H.P. SNO-THRO	10M7D	000101-003590	24 through 26

1967-66	4 H.P. SNO-THRO	10M4	004501-012100	27 through 29
	5 H.P. SNO-THRO	10M5	000001-006801	30 through 32
	6 H.P. SNO-THRO	10M6	032501-046100	30 through 32
	6 H.P. SNO-THRO	10M6D	025501-045200	30 through 32
1965	6 H.P. SNO-THRO	10ML60	024001-032500	33 through 35
	6 H.P. SNO-THRO	10ML60D	017001-025500	33 through 35
1964	3.5 H.P. SNO-THRO	10ML35	006001-008404	36 through 38
	6 H.P. SNO-THRO	10ML60	015001-024000	36 through 38
	6 H.P. SNO-THRO	10ML60D	006001-017000	36 through 38

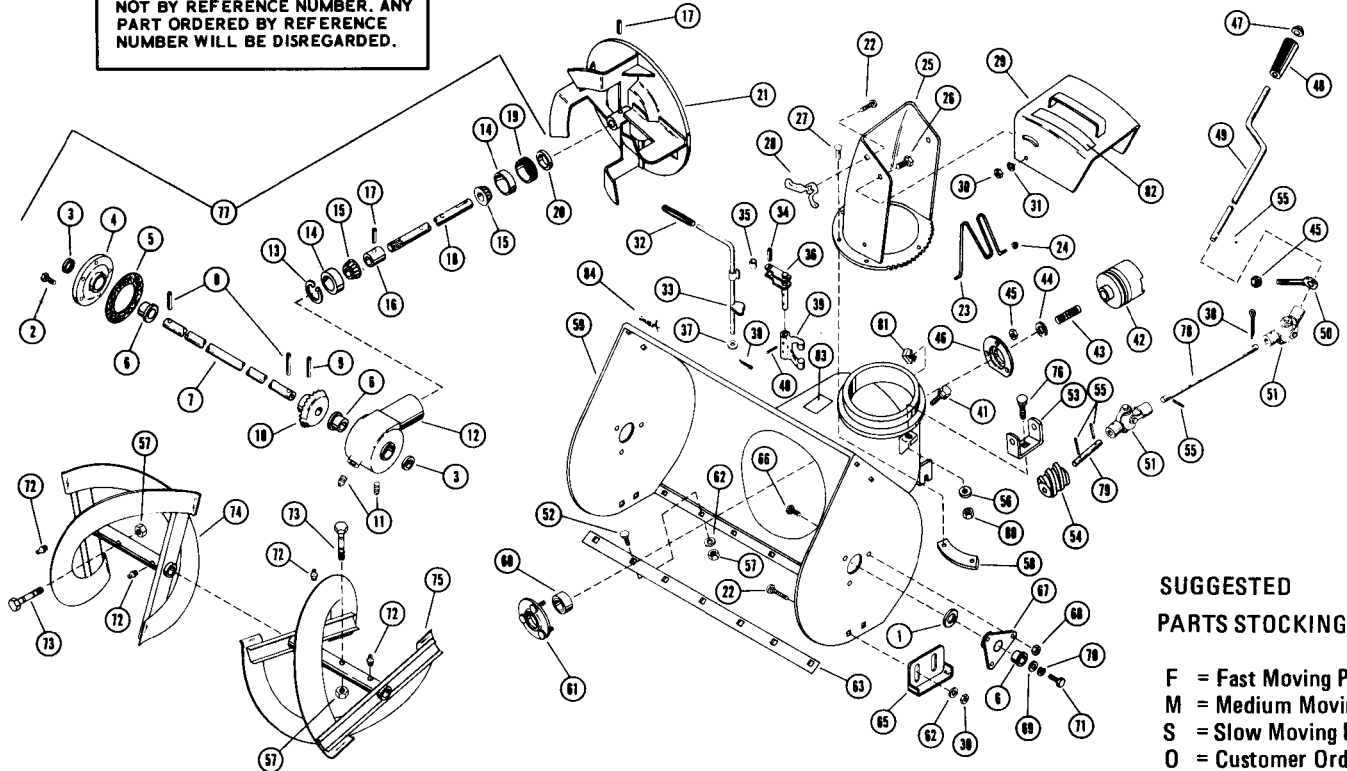
<b>2. SERVICE AND ADJUSTMENTS</b> .....	<b>39-43</b>
<b>3. LUBRICATION</b> .....	<b>44</b>
<b>4. TROUBLE SHOOTING</b> .....	<b>45</b>
<b>5. BELT CROSS REFERENCE</b> .....	<b>45</b>
<b>6. ENGINE CROSS REFERENCE</b> .....	<b>46-48</b>

**CAUTION**  
ORDER PARTS BY PART NUMBER  
NOT BY REFERENCE NUMBER. ANY  
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NUMBER WILL BE DISREGARDED.





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**SUGGESTED  
 PARTS STOCKING CODE**  
 F = Fast Moving Parts  
 M = Medium Moving Parts  
 S = Slow Moving Parts  
 O = Customer Order Only

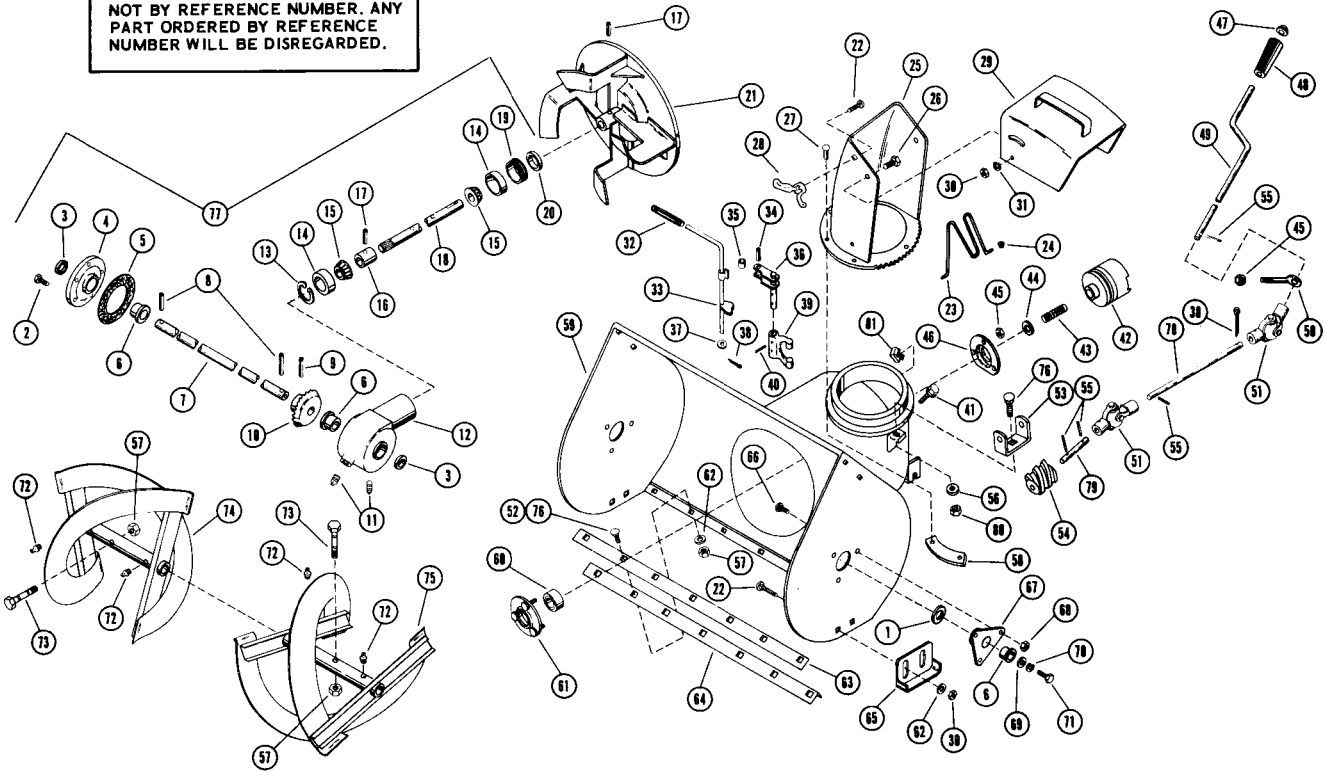
REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D				REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	NO. REQ'D			
				910019	910013	910017	910018					910019	910013	910017	910018
1	64046	M	Washer 1.505 O.D. x 1.005 I.D. x 1/16	2	2	2	2	49	10487	S	Chute Control Crank (For 8 H.P. Only)	1	1	1	
2	70012	M	Flange Whizlock Screw 1/4-20 x 3/4	5	5	5	5	49	10478	S	Chute Control Crank	1	1	1	
3	56061	F	Seal	2	2	2	2	50	10289	S	Rod Hanger	1	1	1	
4	10181	F	Gear Case Flange	1	1	1	1	51	622010	M	Universal Joint	2	2	2	
5	10108	F	Gasket	1	1	1	1	52	62026	M	Carriage Bolt 5/16-18 x 5/8	5	7	5	
6	55035	M	Bushing	4	4	4	4	53	22123	M	Worm Clevis	1	1	1	
7	10384	M	Front Gear Shaft 32"	1	1	1	1	54	22110	M	Worm Gear	1	1	1	
7	10299	M	Front Gear Shaft 24"	1	1	1	1	55	58034	M	Roll Pin 1/8 x 3/4	1	4	4	
8	58030	M	Roll Pin 3/16 x 1-1/2	2	2	2	2	56	63023	M	Lockwasher	1	1	1	
8	58022	M	Roll Pin 5/16 x 1-3/8	1	1	1	1	57	65042	M	Locknut 5/16-18	7	9	7	
*9	10183	F	Helicon Gear	1	1	1	1	58	10438	S	Chute Clamp	3	3	3	
11	1138	M	Pipe Plug 3/8 Sq. Hd.	2	2	2	2	59	510010	O	Blower Housing 24"	1	1	1	
12	10180	M	Gear Case	1	1	1	1	59	510011	O	Blower Housing 32"	1	1	1	
13	57032	M	Snap Ring	1	1	1	1	60	54063	M	Ball Bearing	1	1	1	
14	54044	M	Bearing Cup	2	2	2	2	61	3017	F	Bearing Flange	1	1	1	
15	54045	M	Bearing Cone	2	2	2	2	62	64002	M	Washer 5/16	9	11	9	
16	10107	S	Bearing Spacer	1	1	1	1	63	10387	F	Scraper Blade	1	1	1	
17	58007	M	Roll Pin 1/4 x 1-1/4	3	3	3	3	63	10164	F	Scraper Blade	1	1	1	
*18	10177	M	Helicon Pinion Shaft	1	1	1	1	65	10165	F	Runner	2	2	2	
19	10371	M	Adjustment Plug	1	1	1	1	66	70011	M	Ribbed Neck Bolt 1/4-20 x 5/8	6	6	6	
20	56062	F	Seal	1	1	1	1	67	10184	M	Bearing Support	2	2	2	
21	10178	M	Fan	1	1	1	1	68	65056	M	Whizlock Nut 1/4-20	6	6	6	
22	62010	M	Carriage Bolt 3/8-16 x 3/4	5	5	5	5	69	64047	M	Washer 1.441 O.D. x .511 I.D. x 1/8	2	2	2	
23	10393	S	Safety Wire	1	1	1	1	70	63006	M	Lockwasher 1/2 Std.	2	2	2	
24	22122	S	Fastener	2	2	2	2	71	59024	S	Cap Screw 1/2-13 x 1 H.H.	2	2	2	
25	10437	M	Discharge Chute	1	1	1	1	72	22093	M	Zerk Fitting	4	4	4	
26	59023	M	Cap Screw 3/8-16 x 3/4 H.H.	2	2	2	2	73	10195	F	Shear Bolt	2	2	2	
27	74026	M	Taptite No. 10-24 x 3/8	6	6	6	6	74	524003	S	R.H. Rake 32" Includes Zerks	1	1	1	
28	10193	M	Wing Nut	1	1	1	1	74	510007	S	R.H. Rake 24" Includes Zerks	1	1	1	
29	510012	M	Deflector	1	1	1	1	75	524004	S	L.H. Rake 32" Includes Zerks	1	1	1	
30	65039	F	Locknut 3/8-16	6	6	6	6	75	510008	S	L.H. Rake 24" Includes Zerks	1	1	1	
31	63004	F	Lockwasher 3/8 Std.	2	2	2	2	76	62011	M	Carriage Bolt 5/16-18 x 3/4	1	1	1	
32	75004	M	Grip 1/2 I.D.	1	1	1	1	77	510002	O	32" Gear Case Assembly	1	1	1	
33	10390	S	Fork Cam	1	1	1	1	77	610984	S	24" Gear Case Assembly	1	1	1	
34	58017	M	Roll Pin 5/16 x 1-1/4	1	1	1	1	78	10488	S	Connector Rod	1	1	1	
35	3034	S	Roller	1	1	1	1	79	10494	S	Worm Shaft	1	1	1	
36	10186	S	Fork Shaft	1	1	1	1	80	65015	M	Nut 5/16-18	1	1	1	
37	10260	S	Wave Washer	1	1	1	1	81	70026	S	Nut Retainer 3/8-16	2	2	2	
38	67004	M	Cotter Pin 1/8 x 1	2	2	2	2	82	78222	O	Caution Label	1	1	1	
39	1008	S	Clutch Fork	1	1	1	1	83	78055	O	Clutch Instruction Decal	1	1	1	
40	58016	M	Roll Pin 3/16 x 1	2	2	2	2	84	78174	O	Ariens Nameplate	1	1	1	
41	70031	M	Flange Whizlock Screw 3/8-16 x 3/4	2	2	2	2								
42	10176	F	Jaw Clutch	1	1	1	1								
43	83014	M	Spring	1	1	1	1								
44	64048	M	Washer 1.375 O.D. x .755 I.D. x 1/16	1	1	1	1								
45	65040	F	Locknut 1/4-20	4	4	4	4								
46	10142	F	Bearing Flange	1	1	1	1								
47	10198	M	Cap	1	2	2	1								
48	75039	M	Grip	1	2	2	1								

NOTE \*10183 and 10177 Sold In Pairs Only

Use Ariens MP 90 Premium Gear Lubricant  
 in 10180 Gear Case

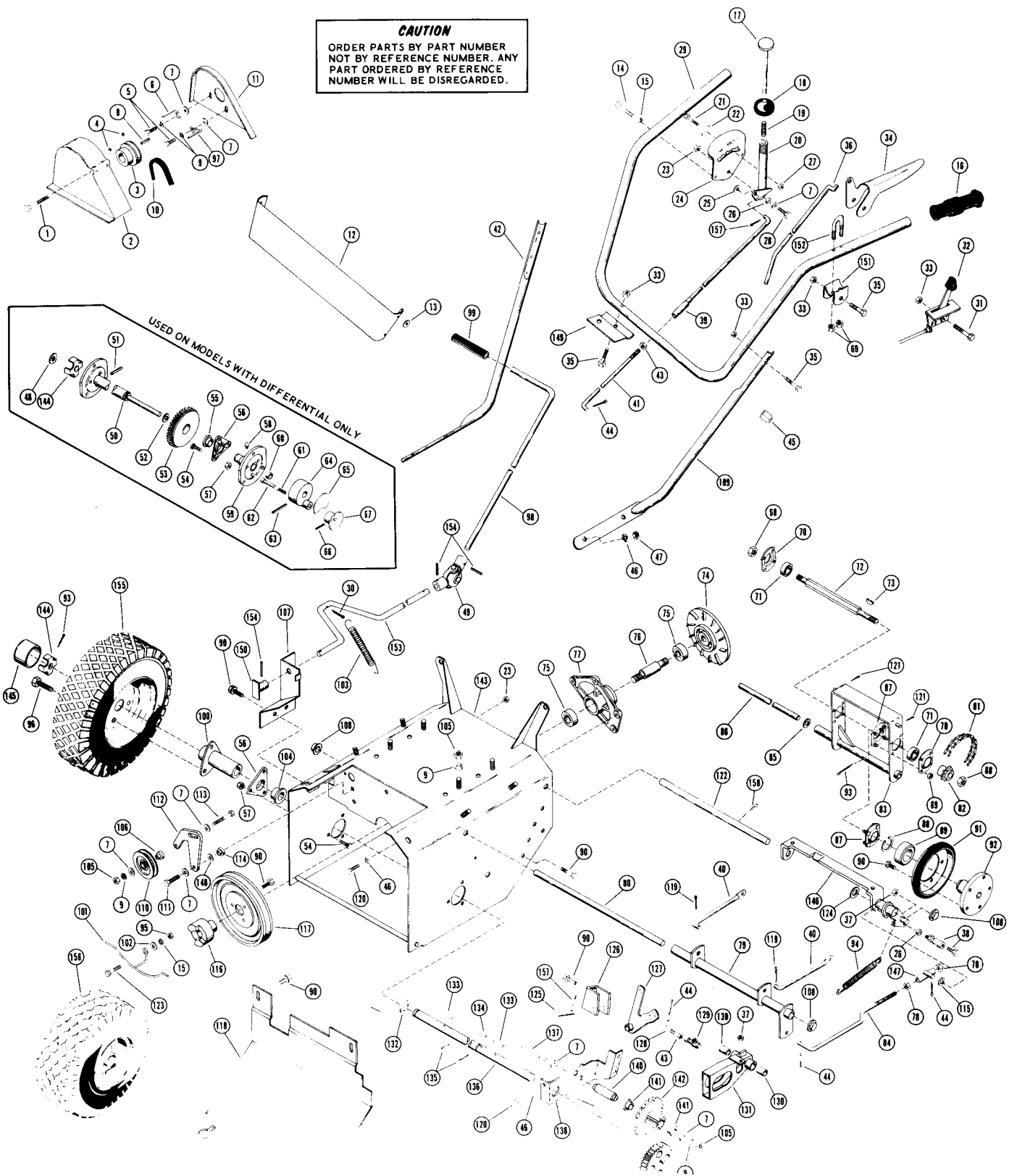
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			910006	910008	910014	910016	910095				910013	910017	910021	910010	910006	910008	910014
1	64046	Washer 1.505 OD x 1.005 ID x 1/16	2	2	2	2	2	2	47	10198	Cap	1	1	2	2	1	1
2	70012	Flange Whizlock Screw 1/4-20 x 3/4	5	5	5	5	5	5	48	75039	Grip	1	1	2	2	1	1
3	56061	Seal	2	2	2	2	2	2	49	10487	Chute Control Crank (For 8 H.P. only)	1	1	1	1	1	1
4	10181	Gear Case Flange	1	1	1	1	1	1	49	10478	Chute Control Crank	1	1	1	1		
5	10108	Gasket	1	1	1	1	1	1	50	10289	Rod Hanger	1	1	1	1	1	1
6	55035	Bushing	4	4	4	4	4	4	51	622010	Universal Joint			1	1	2	2
7	10384	Front Gear Shaft	1	1	1	1	1	1	52	62026	Carriage Bolt 5/16-18 x 5/8	5		5	5		
7	10299	Front Gear Shaft	1	1	1	1	1	1	53	22123	Worm Clevis	1	1	1	1	1	1
8	58030	Roll Pin 3/16 x 1-1/2	2	2	2	2	2	2	54	22110	Worm Gear	1	1	1	1	1	1
9	58022	Roll Pin 5/16 x 1-3/8	1	1	1	1	1	1	55	58034	Roll Pin 1/8 x 3/4	1	1	4	4	4	4
*10	10183	Helicon Gear	1	1	1	1	1	1	56	63023	Lockwasher	1	1	1	1	1	1
11	1138	Pipe Plug 3/8 Sq. Hd.	2	2	2	2	2	2	57	65042	Locknut 5/16-18	7	9	9	7	9	7
12	10180	Gear Case	1	1	1	1	1	1	58	10438	Chute Clamp	3	3	3	3	3	3
13	57032	Snap Ring	1	1	1	1	1	1	59	10457	Blower Housing 24"	1	1	1	1		
14	54044	Bearing Cup	2	2	2	2	2	2	59	10447	Blower Housing 32"		1	1	1		
15	54045	Bearing Cone	2	2	2	2	2	2	60	54063	Ball Bearing	1	1	1	1	1	1
16	10107	Bearing Spacer	1	1	1	1	1	1	61	3017	Bearing Flange	1	1	1	1	1	1
17	58007	Roll Pin 1/4 x 1-1/4	3	3	3	3	3	3	62	64002	Washer 5/16	9	4	4	9	4	9
*18	10177	Helicon Pinion Shaft	1	1	1	1	1	1	63	10387	Scraper Blade		1	1	1		
19	10371	Adjustment Plug	1	1	1	1	1	1	63	10164	Scraper Blade	1	1	1	1	1	1
20	56062	Seal	1	1	1	1	1	1	64	10446	Reinforced Angle		1	1	1		
21	10178	Fan	1	1	1	1	1	1	65	10165	Runner	2	2	2	2	2	2
22	62010	Carriage Bolt 3/8-16 x 3/4	5	5	5	5	5	5	66	70011	Ribbed Neck Bolt 1/4-20 x 5/8	6	6	6	6	6	6
23	10393	Safety Wire	1	1	1	1	1	1	67	10184	Bearing Support	2	2	2	2	2	2
24	22122	Fastener	2	2	2	2	2	2	68	65056	Whizlock Nut 1/4-20	6	6	6	6	6	6
25	10437	Discharge Chute	1	1	1	1	1	1	69	64047	Washer 1.441 OD x .511 ID x 1/8	2	2	2	2	2	2
26	59023	Cap Screw 3/8-16 x 3/4 H.H.	2	2	2	2	2	2	70	63006	Lockwasher 1/2	2	2	2	2	2	2
27	74026	Taprite #10-24 x 3/8	6	6	6	6	6	6	71	59024	Cap Screw 1/2-13 x 1 H. H.	2	2	2	2	2	2
28	10193	Wing Nut	1	1	1	1	1	1	72	10354	Zerk Fitting	4	4	4	4	4	4
29	10191	Deflector	1	1	1	1	1	1	73	10195	Shear Bolt	2	2	2	2	2	2
30	65039	Locknut 3/8-16	6	6	6	6	6	6	74	10433	R. H. Rake		1	1	1		
31	63004	Lockwasher 3/8	2	2	2	2	2	2	74	10431	R. H. Rake	1	1	1	1		
32	75004	Grip 1/2 ID	1	1	1	1	1	1	75	10434	L. H. Rake		1	1	1		
33	10390	Fork Cam	1	1	1	1	1	1	75	10432	L. H. Rake	1	1	1	1		
34	58017	Roll Pin 5/16 x 1-1/4	1	1	1	1	1	1	76	62011	Carriage Bolt 5/16-18 x 3/4	1	8	8	1	8	1
35	3034	Roller	1	1	1	1	1	1	77	510002	32" Gear Case Assembly		1	1	1		
36	10186	Fork Shaft	1	1	1	1	1	1	77	610984	24" Gear Case Assembly	1	1	1	1		
37	10260	Wave Washer	1	1	1	1	1	1	78	10488	Connector Rod		1	1	1	1	1
38	67004	Cotter Pin 1/8 x 1	2	2	2	2	2	2	79	10494	Worm Shaft		1	1	1	1	1
39	1008	Clutch Fork	1	1	1	1	1	1	80	65015	Nut 5/16-18	1	1	1	1	1	1
40	58016	Roll Pin 3/16 x 1	2	2	2	2	2	2	81	70026	Nut Retainer 3/8-16	2	2	2	2	2	2
41	70031	Flange Whizlock Screw 3/8-16 x 1/2	2	2	2	2	2	2			<b>NOT ILLUSTRATED</b>						
42	10176	Jaw Clutch	1	1	1	1	1	1	78222	Caution Label	1	1	1	1	1	1	
43	83014	Spring	1	1	1	1	1	1	78055	Clutch Instruction Decal	1	1	1	1	1	1	
44	64048	Washer 1.375 OD x .755 ID x 1/16	1	1	1	1	1	1	78174	Ariens Nameplate	1	1	1	1	1	1	
45	85040	Locknut 1/4-20	4	4	4	4	4	4			<b>NOTE</b>						
46	10142	Bearing Flange	1	1	1	1	1	1			*10183 And 10177 Sold In Pairs Only						
											Use Ariens MP 90 Premium Gear Lubricant In 10180 Gear Case						

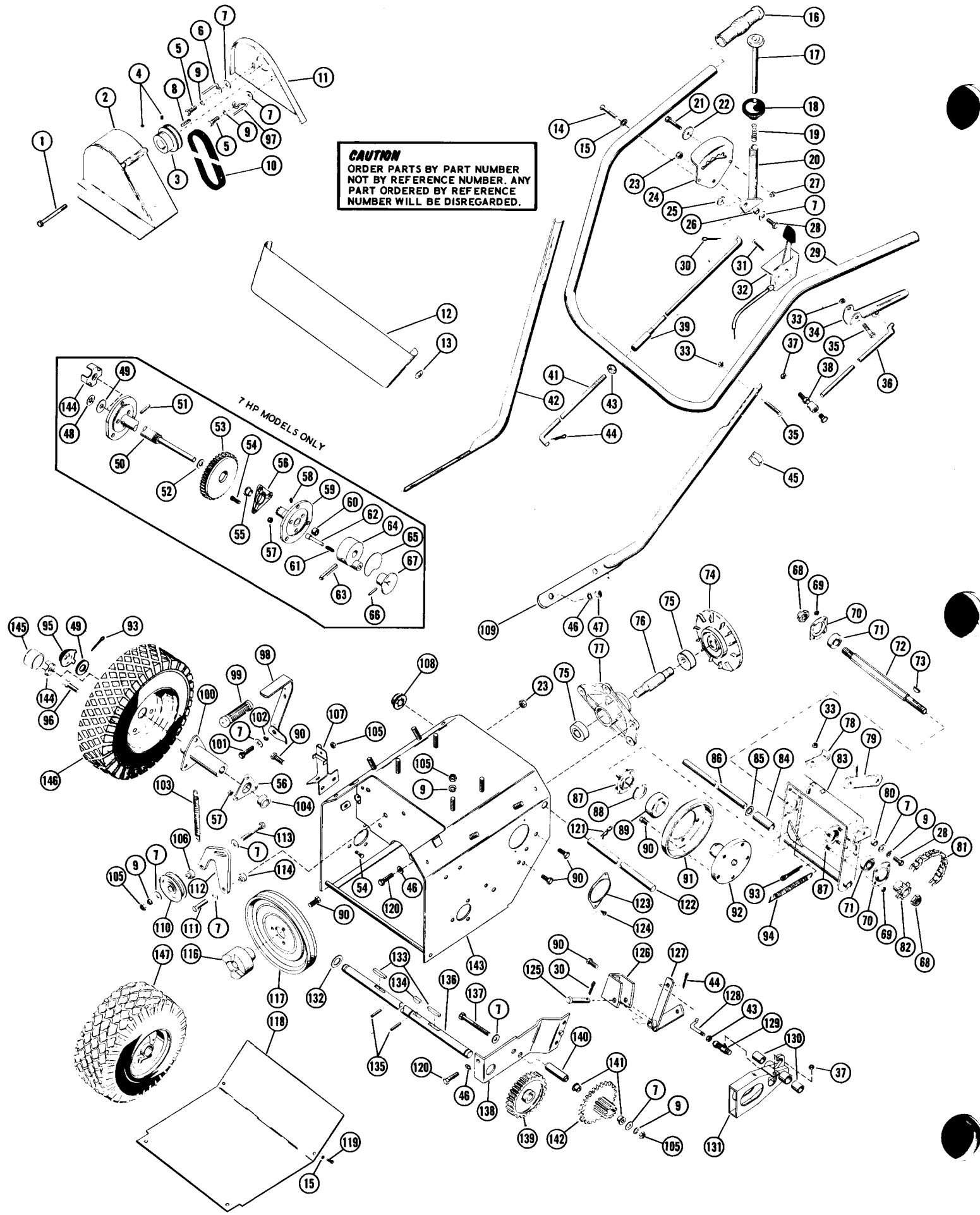
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REF. PART NO.	DESCRIPTION	NO. REQ'D.	REF. PART NO.	DESCRIPTION	NO. REQ'D.
1 70013	Belt Cover Bolt	1	96 70032	Wheel Bolt - 1/2-20	6
2 10400	Outer Belt Guard	1	97 10161	L.H. Belt Finger	1
3 10238	Engine Sheave	1	98 10482	Clutch Handle	1
3 10477	Engine Sheave	1	99 75013	Grip	1
4 60012	Setscrew - 5/16-18 x 3/8 Nylon	2	100 10283	Wheel Hub	2
5 59038	Cap Screw - 4/16-24 UNF x 3/4 H.H., Z.P.	2	101 10492	Belt Finger	1
6 10160	R.H. Belt Finger	1	102 64007	Washer	1
7 64002	Washer - 5/16 Wrought Plated	8	103 83004	Spring	1
8 68013	Key - SAE 1035	1	104 55039	Flange Bushing	2
8 68018	Key	1	105 65015	Nut - 5/16 -18 Hex, Plated	6
9 63003	Lockwasher - 5/16 SAE Std., Plated	8	106 10360	Bearing Spacer	1
10 72047	Belt	1	107 10479	Clutch Bracket	1
10 72072	Belt	1	108 12086	Cap	3
11 10159	Inner Belt Guard	1	109 10157	L.H. Lower Handle Bar	1
12 2033	Handle Bar Panel	1	109 10356	L.H. Lower Handle Bar	1
13 10196	Handle Bar Washer	2	110 12132	Idler	1
14 59056	Cap Screw - 1/4-20 UNC x 1-1/4 H.H., Plated	2	111 59069	Cap Screw - 5/16-18 UNC x 1-1/4 H.H., Plated	1
15 63002	Lockwasher - 1/4 SAE Std., Plated	3	112 10389	Idler Arm	1
16 75006	Grip	2	113 59073	Cap Screw - 5/16-18 UNC x 1-3/4 H.H., Plated	1
17 10293	Shift Release Handle	1	114 10361	Shoulder Spacer	1
18 10248	Shift Ball	1	115 84087	Washer	1
19 88015	Spring	1	116 10206	Yaw Coupling	1
20 10232	Shift Handle	1	117 10239	Drive Sheave	1
21 59072	Cap Screw - 1/4-20 UNC x 1-1/4 H.H., H.T.	1	118 10400	Bottom Cover	1
22 64037	Washer - 3/32 I.D. x 1-1/4 O.D. x 1/16 Plated	1	119 67001	Hair Pin	2
23 65042	Locknut - 5/16-18 Hex, Plated	1	120 59023	Cap Screw - 3/8-16 UNC x 3/4 H.H., Plated	4
24 10231	Shift Quadrant	1	121 67019	Hair Pin Cotter	2
25 64043	Washer - SAE 3/8-13/32 I.D. x 13/16 O.D. x 1/16 Plated	1	122 10467	Fork Shaft	1
26 6071	Spacer Bushing	2	123 59001	Cap Screw 1/4-20 x 3/4	1
27 65070	Locknut - 1/4-20	2	124 64056	Washer	1
28 59022	Cap Screw - 5/16-18 UNC x 3/4 H.H., Z.P.	1	125 10144	Clevis Pin	1
29 10464	Upper Handle Bar	1	126 10215	Lever Bracket	1
29 10463	Upper Handle Bar	1	127 10476	Transfer Lever	1
30 67018	Cotter Pin - 1/8 x 1/2	1	128 10484	Connecting Link	1
31 59062	Cap Screw	1	129 3086	Ball Joint	1
32 69085	Throttle Control	1	130 55040	Bushing	2
32 69086	Throttle Control	1	131 10461	Sliding Fork	1
33 65040	Locknut - 1/4-20 Hex, Plated	7	132 64033	Washer - .755 I.D. x 1.375 O.D. x .125 Plated	2
34 22071	Clutch Handle	1	133 66011	Key	1
35 59050	Cap Screw - 1/4-20 UNC x 1-1/2 H.H., Plated	6	134 66012	Key - Woodruff #91	2
36 10465	Clutch Rod	1	135 58016	Roll Pin - 3/16 x 1	2
37 65043	Locknut - 5/16-24 Hex, Plated	2	136 10279	Axle Shaft	1
38 10247	Ball Joint	1	137 59074	Cap Screw - 5/16-18 UNC x 2-3/4 H.H., Plated	1
39 10235	Upper Shift Rod	1	138 10462	Support Bracket	1
40 10472	Clutch Link	2	139 10211	Spur Gear	1
41 10228	Lower Shift Rod	1	140 10208	Pinion Stub Shaft	1
42 10158	R.H. Lower Handle Bar	1	141 55026	Bushing	2
42 10355	R.H. Lower Handle Bar	1	142 10207	Pinion and Sprocket	1
43 65031	Nut - 5/16-24 Hex, Plated	2	143 10458	Tractor Frame	1
44 67001	Cotter Pin - 3/32 x 3/4 Plated	4	143 10459	Tractor Frame	1
45 69012	Cable Clamp	1	144 3376	Spindle Cup	2
46 63004	Lockwasher - 3/8 SAE Std., Plated	8	145 3377	Hub Cap	2
47 65018	Nut - 3/8-16 Hex, Plated	4	146 10466	Rear Clutch Lever	1
48 10366	Push Nut	1	147 10468	Pivot Spacer	1
49 622010	Universal Joint	1	148 64038	Washer .505 I.D. x .880 O.D. x 24 Ga.	1
50 10370	R.H. Axle Shaft	1	149 10483	Rod Hanger Bracket	1
51 58003	Roll Pin - 3/16 x 1-1/4	1	150 10481	Clutch Interlock Lever	1
52 64036	Washer - .880 I.D. x 1.3880 O.D. x .062	1	151 22073	Handle Pivot	1
53 612999	Differential Assembly	1	152 22074	U Bolt	1
54 70011	Ribbed Neck Bolt - 1/4-20 x 5/8 plated	6	153 10480	Engagement Rod	1
55 55030	Bushing	2	154 58034	Roll Pin	3
56 12023	Bearing Support	2	<b>TIRES AND WHEEL ASSEMBLIES</b>		
57 65056	Flange Whizlock Nut - 1/4-20 Plated	6	155 610985	Tire and Wheel Assembly consisting of: Req'd per Wheel	2 2 2 2
58 10354	Zerk Fitting	1	71046	Tire (Carlisle Stud Tread Tire Available Only)	1
59 61939	L.H. Axle	1	71050	Tube	1
60 55029	Bushing	2	71052	Rim	1
61 83007	Spring	1	156 612991	Tire and Wheel Assembly consisting of: Req'd per Wheel	2 2
62 10374	Pin	1	71066	Tire (Carlisle Stud Tread Available Only)	1
63 58037	Roll Pin - 1/4 x 1-3/4	1	71050	Tube	1
64 10372	Lockout Hub	1	71052	Rim	1
65 78038	Differential Lock Decal	1	157 67004	Cotter Pin 1/8 x 1 Plated	2
66 58032	Roll Pin - 3/32 x 1	1	158 67010	Hair Pin Cotter	1
67 10375	Knob	1	<b>NOT ILLUSTRATED</b>		
68 65054	Locknut - 1/2-20 Hex, Centerlock	2	*6 HP Engine (Tecumseh HSK-60 75361J) or Replacement		
69 65041	Locknut - #10-24 Plated	10	*7 HP Engine (Tecumseh HSK-70 130067A) or Replacement		
70 3031	Bearing Flange	2	*8 HP Engine (Tecumseh HSK-80 155020) or Replacement		
71 54080	Ball Bearing	2	*Order Replacement Engine And/Or Engine Replacement Parts From Your Nearest Engine Service Central.		
72 10275	Hex Shaft	1	10373	Carburetor Cover	1
73 66015	Key - Woodruff #6	1	78010	Helicon Patent Label	1
74 10205	Drive Plate	1	78189	Air Cleaner Decal	1
75 54063	Ball Bearing	2	78016	Sno Shift Label	1
76 10204	Spindle	1	78231	Engine Label	1
77 10287	Bearing Housing	1	78191	Engine Decal - 8 H. P. (91009 910010 910016 910018)	1
78 65090	Twin Whizlock Nut	2	78192	Engine Decal - 7 H. P. (910007 910008 910014)	1
79 10470	Front Clutch Lever	1	78230	Label - In-Out	1
80 10471	Rod	1	78225	Engine Decal - 6 H. P. (910006)	1
81 10237	Chain	1	75040	Plug	1
82 10276	Sprocket	1			
83 10473	Disc Bracket	1			
84 10469	Adjustment Link	1			
85 64038	Shim Washer - .505 I.D. x .880 O.D. x 24 Ga.	1			
86 10212	Bracket Pin	1			
87 3085	Bearing Flange	2			
88 67043	Snap Ring	1			
89 54074	Thrust Bearing	1			
90 70009	Flange Whizlock Screw - 5, 16-18 x 1 2 Plated	18			
91 3003	Friction Wheel	1			
92 10277	Friction Disc Hub	1			
93 67014	Cotter Pin - 1/8 x 1-1/4 Plated	3			
94 63069	Spring	1			
95 65032	Nut 1/4-20	1			

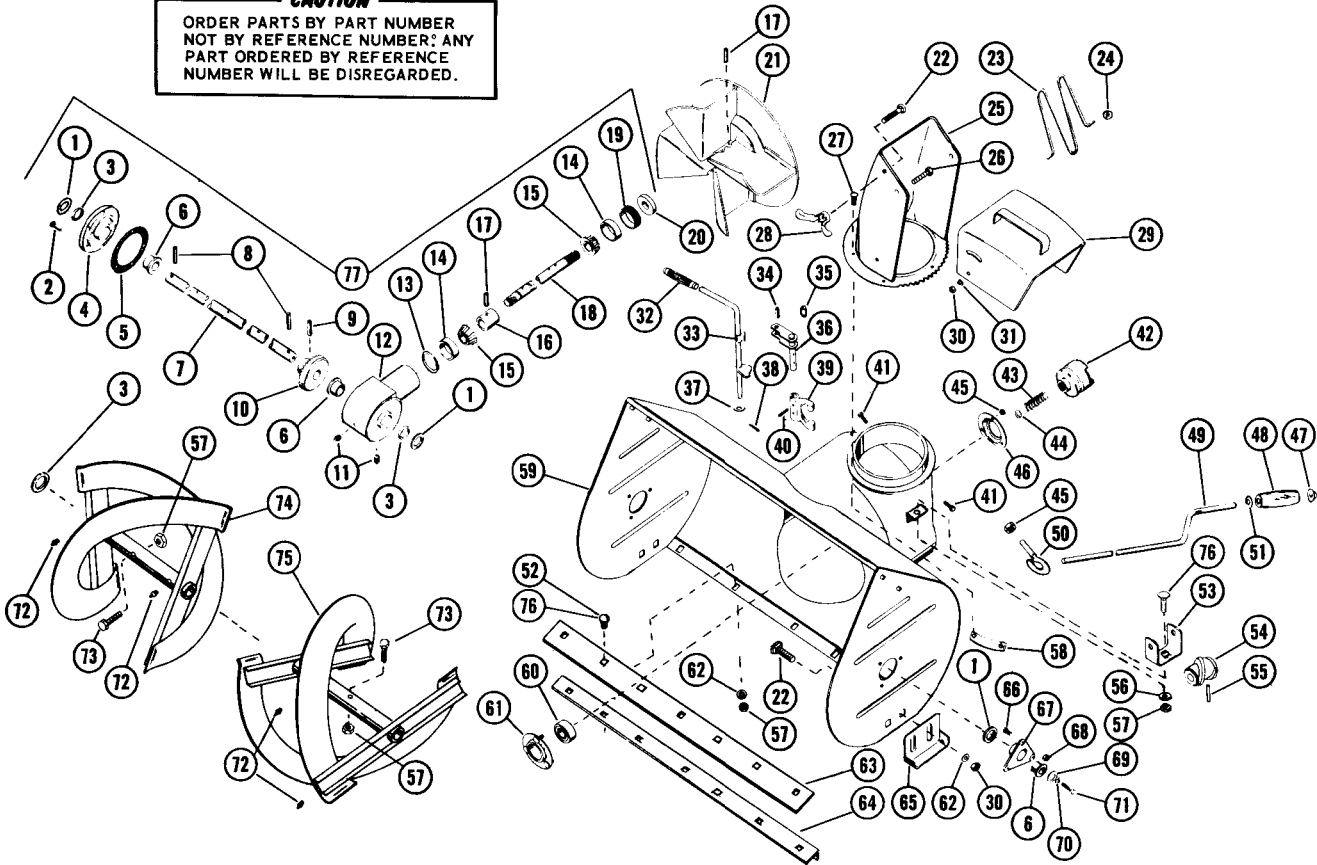
**CAUTION**  
ORDER PARTS BY PART NUMBER  
NOT BY REFERENCE NUMBER. ANY  
PART ORDERED BY REFERENCE  
NUMBER WILL BE DISREGARDED.





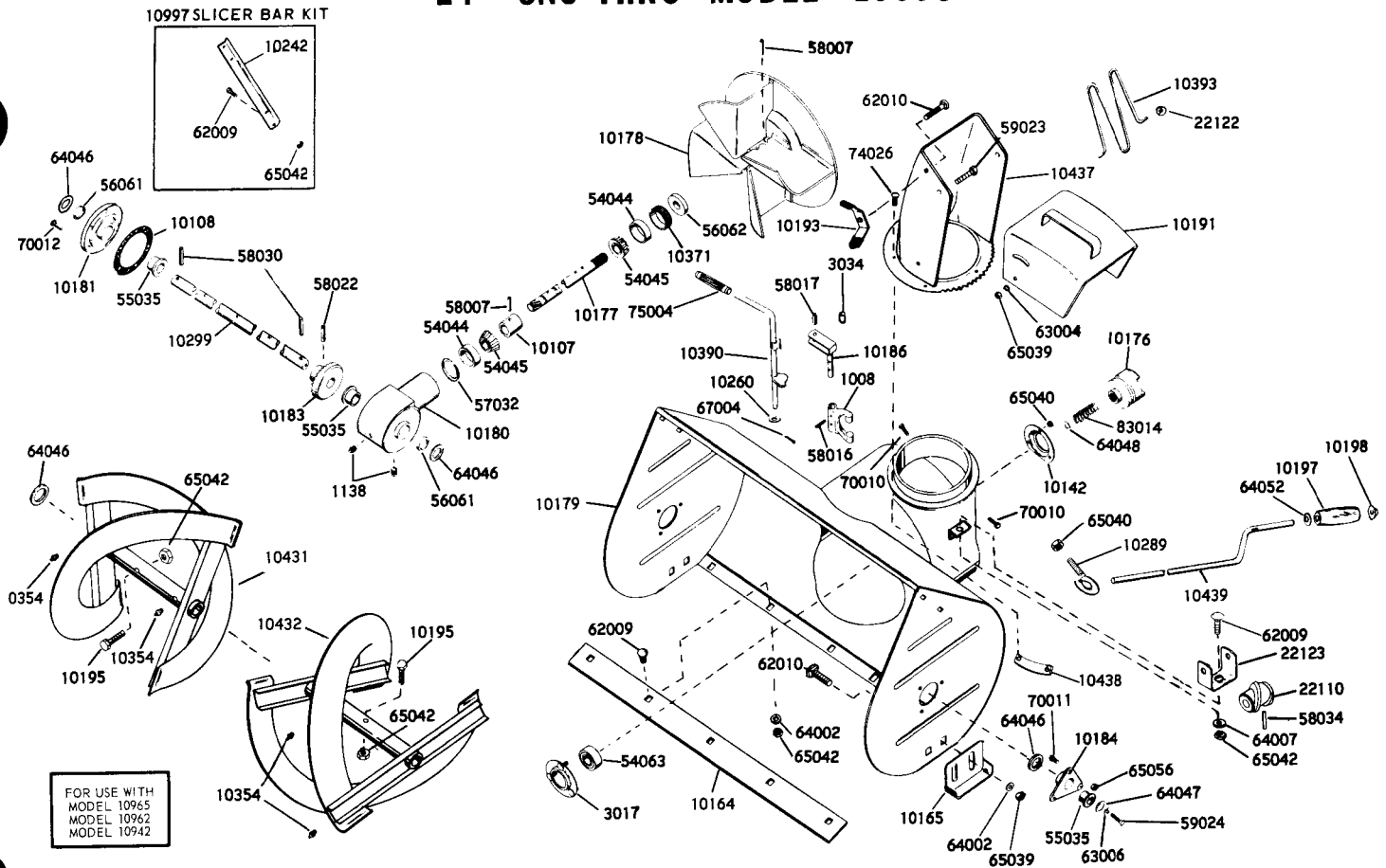
**CAUTION**

ORDER PARTS BY PART NUMBER  
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NUMBER WILL BE DISREGARDED.



REF. PART NO. NO.	DESCRIPTION	NO. REQ'D		REF. PART NO. NO.	DESCRIPTION	NO. REQ'D			
		910995	910995			910995	910995		
1	64046	Washer 1.505 OD x 1.005 ID x 1/16	4	4	47	10198	Cap	1	1
2	70012	Flange Whizlock Screw 1/4-20 x 3/4	5	5	48	10197	Grip	1	1
3	56061	Seal	2	2	49	10439	Chute Control Crank	1	1
4	10181	Gear Case Flange	1	1	50	10289	Rod Hanger	1	1
5	10108	Gasket	1	1	51	64052	Washer 13/16 OD x .380 ID x 24 Ga. .385	1	1
6	55035	Bushing	4	4	52	62026	Carriage Bolt 5/16-18 x 5/8	5	
7	10384	Front Gear Shaft	1	1	53	22123	Worm Clevis	1	1
8	10299	Front Gear Shaft	1	1	54	22110	Worm Gear	1	1
9	58030	Roll Pin 3/16 x 1-1/2	2	2	55	58034	Roll Pin 1/8 x 3/4	1	1
10	58022	Roll Pin 5/16 x 1-3/8	1	1	56	64007	Washer 1/4 Std.	1	1
11	10183	Helicon Gear	1	1	57	65042	Locknut 5/16-18	8	10
12	1138	Pipe Plug 3/8 Sq. Hd.	2	2	58	10438	Chute Clamp	3	3
13	10180	Gear Case	1	1	59	10388	Blower Housing	1	1
14	57032	Snap Ring	1	1	59	10179	Blower Housing	1	1
15	54044	Bearing Cup	2	2	60	54063	Ball Bearing	1	1
16	54045	Bearing Cone	2	2	61	3017	Bearing Flange	1	1
17	10107	Bearing Spacer	1	1	62	64002	Washer 5/16	9	4
18	58007	Roll Pin 1/4 x 1-1/4	3	3	63	10387	Scraper Blade	1	1
19	10177	Helicon Pinion Shaft	1	1	64	10164	Scraper Blade	1	1
20	10371	Adjustment Plug	1	1	64	10442	Reinforcement Angle	1	1
21	56062	Seal	1	1	65	10165	Runner	2	2
22	10178	Fan	1	1	66	70011	Ribbed Neck Bolt 1/4-20 x 5/8	6	6
23	62010	Carriage Bolt 3/8-16 x 3/4	5	5	67	10184	Bearing Support	2	2
24	10393	Safety Wire	1	1	68	65056	Whizlock Nut 1/4-20	6	6
25	22122	Fastener	2	2	69	64047	Washer 1.441 OD x .511 ID x 1/8	2	2
26	10437	Discharge Chute	1	1	70	63006	Lockwasher 1/2	2	2
27	59023	Cap Screw 3/8-16 x 3/4 H.H.	2	2	71	59024	Cap Screw 1/2-13 x 1 H.H.	2	2
28	74026	Taprite #10-24 x 3/8	6	6	72	10354	Zerk Fitting	4	4
29	10193	Wing Nut	1	1	73	10195	Shear Bolt	2	2
30	10191	Deflector	1	1	74	10433	R. H. Rake	1	1
31	65039	Locknut 3/8-16	6	6	74	10431	R. H. Rake	1	1
32	63004	Lockwasher 3/8	2	2	75	10434	L. H. Rake	1	1
33	75004	Grip 1/2 ID	1	1	75	10432	L. H. Rake	1	1
34	10390	Fork Cam	1	1	76	62011	Carriage Bolt 5/16-18 x 3/4	1	8
35	58017	Roll Pin 5/16 x 1-1/4	1	1	77	510002	Gear Case Assembly	1	1
36	3034	Roller	1	1	77	810984	Gear Case Assembly	1	1
37	10186	Fork Shaft	1	1			NOT ILLUSTRATED		
38	10280	Wave Washer	1	1	78012		Sno-Thro Label	1	1
39	67004	Cotter Pin 1/8 x 1	1	1	78014		Caution Label	1	1
40	1008	Clutch Fork	1	1	78055		Clutch Instruction Decal	1	1
41	58016	Roll Pin 3/16 x 1	2	2					
42	70010	Flange Whizlock Screw 3/8-16 x 1/2	2	2					
43	10176	Jaw Clutch	1	1					
44	83014	Spring	1	1					
45	64048	Washer 1.375 OD x .755 ID x 1/16	1	1					
46	65040	Locknut 1/4-20	4	4					
	10142	Bearing Flange	1	1					

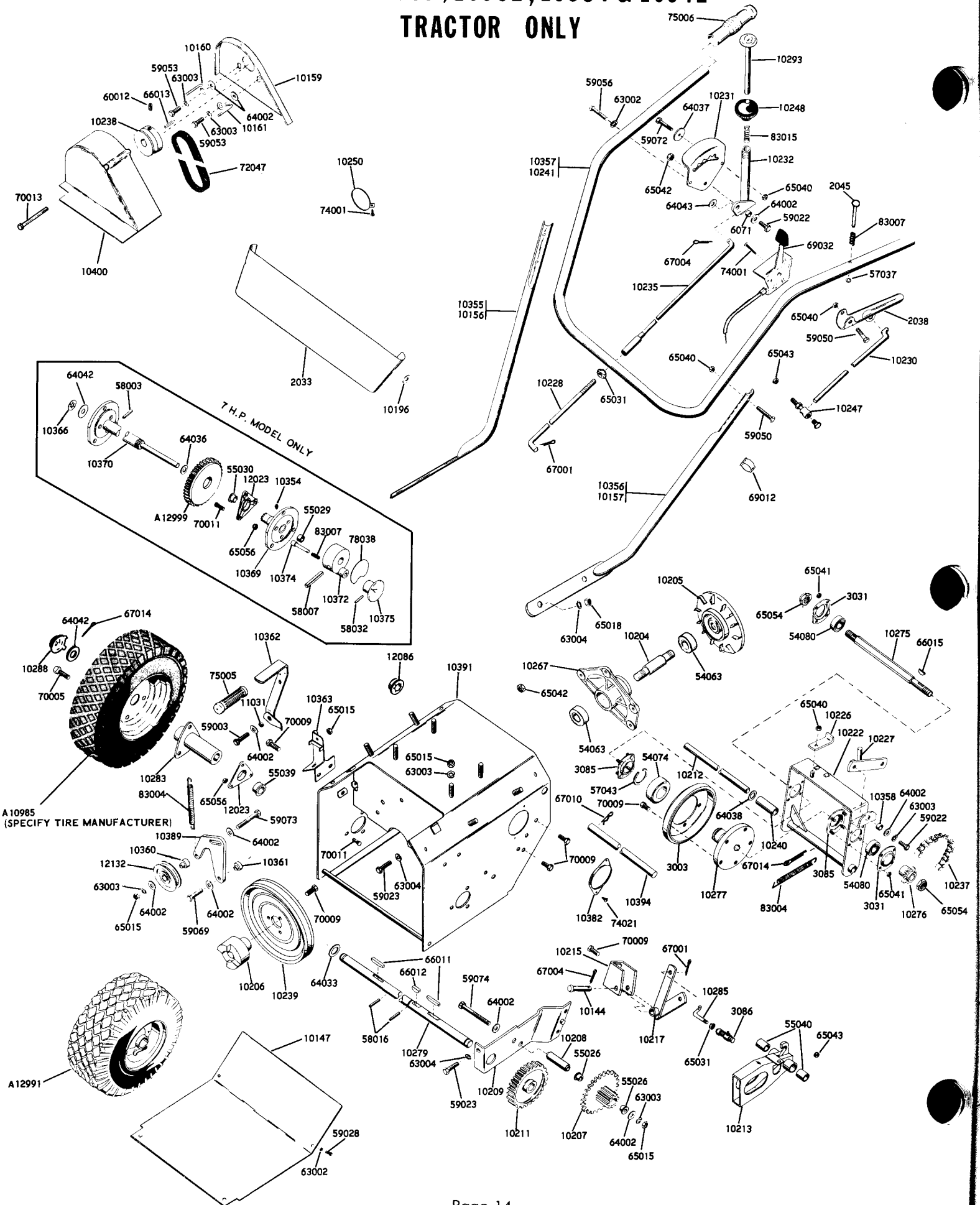
# 24" SNO-THRO MODEL 10995



FOR USE WITH  
MODEL 10965  
MODEL 10962  
MODEL 10942

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1008	Clutch Fork	1	56062	Seal	1
1138	Pipe Plug 3/8 Sq. Hd.	2	57032	Snap Ring	1
3017	Bearing Flange	1	58007	Roll Pin 1/4 x 1-1/4	3
3034	Roller	1	58016	Roll Pin 3/16 x 1	2
10107	Bearing Spacer	1	58017	Roll Pin 5/16 x 1-1/4	1
10108	Gasket	1	58022	Roll Pin 5/16 x 1-3/8	1
10142	Bearing Flange	1	58030	Roll Pin 3/16 x 1-1/2	2
10164	Scraper Blade	1	58034	Roll Pin 1/8 x 3/4	1
10165	Runner	2	59023	Cap Screw 3/8-16 x 3/4 H.H.	2
10176	Jaw Clutch	1	59024	Cap Screw 1/2-13 x 1 H.H.	2
10177	Helicon Pinion Shaft	1	62009	Carriage Bolt 5/16-18 x 1/2	6
10178	Fan	1	62010	Carriage Bolt 3/8-16 x 3/4	5
10179	Blower Housing	1	63004	Lockwasher 3/8	2
10180	Gear Case	1	63006	Lockwasher 1/2	2
10181	Gear Case Flange	1	64002	Washer 5/16	9
10183	Helicon Gear	1	64007	Washer 1/4 Std.	1
10184	Bearing Support	2	64046	Washer 1.505 OD x 1.005 ID x 1/16	4
10186	Fork Shaft	1	64047	Washer 1.441 OD x .511 ID x 1/8	2
10191	Deflector	1	64048	Washer 1.375 OD x .755 ID x 1/16	1
10193	Wing Nut	1	64052	Washer 13/16 OD x .385 ID x 24 Ga.	1
10195	Shear Bolt	2			
10197	Grip	1	65039	Locknut 3/8-16	6
10198	Cap	1	65040	Locknut 1/4-20	4
10260	Wave Washer	1	65042	Locknut 5/16-18	8
10289	Rod Hanger	1	65056	Whizlock Nut 1/4-20	6
10299	Front Gear Shaft	1	67004	Cotter Pin 1/8 x 1	1
10354	Zerk Fitting	4	70010	Flange Whizlock Screw 3/8-16 x 1/2	2
10371	Adjustment Plug	1	70011	Ribbed Neck Bolt 1/4-20 x 5/8	6
10390	Fork Cam	1	70012	Flange Whizlock Screw 1/4-20 x 3/4	5
10393	Safety Wire	1	74026	Taptite #10-24 x 3/8	6
10431	R. H. Rake	1	75004	Grip 1/2 ID	1
10432	L. H. Rake	1	83014	Spring	1
10437	Discharge Chute	1			
10438	Chute Clamp	3	NOT ILLUSTRATED		
10439	Chute Control Crank	1	78012	Sno-Thro Label	1
22110	Worm Gear	1	78014	Caution Label	1
22122	Fastener	2	78055	Clutch Instruction Decal	1
22123	Worm Clevis	1			
54044	Bearing Cup	2	10997 SLICER BAR KIT		
54045	Bearing Cone	2	10242	Slicer Bar	1
54063	Ball Bearing	1	62009	Carriage Bolt 5/16-18 x 1/2	2
55035	Bushing	4	65042	Locknut 5/16-18	2
56061	Seal	2			

# MODEL 10965, 10962, 10954 & 10942 TRACTOR ONLY



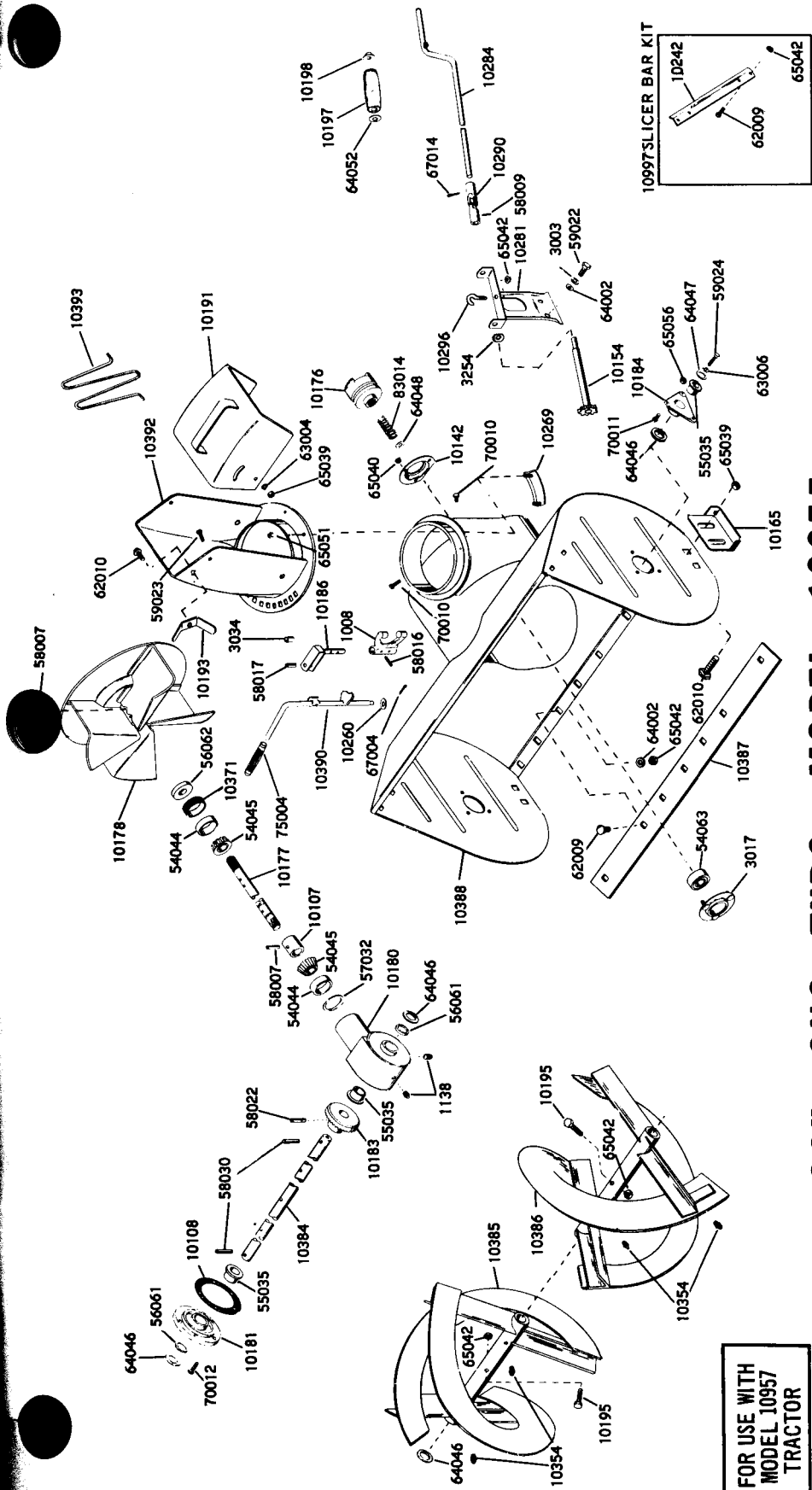
# MODEL 10965, 10962, 10954 & 10942

## TRACTOR ONLY

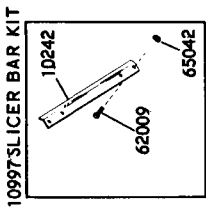
Part No.	Description	No. Req'd.				Part No.	Description	No. Req'd.			
		10965	10962	10954	10942			10965	10962	10954	10942
2033	Handle Bar Panel	1	1	1	1	55040	Bushing	2	2	2	2
2038	Clutch Handle	1	1	1	1	57037	Retaining Ring	1	1	1	1
2045	Clutch Lock Pin	1	1	1	1	57043	Snap Ring	1	1	1	1
3003	Friction Wheel	1	1	1	1	58003	Roll Pin - 3/16 x 1-1/4	1	1	1	1
3031	Bearing Flange	2	2	2	2	58007	Roll Pin - 1/4 x 1-1/4	1	1	1	1
3085	Bearing Flange	2	2	2	2	58016	Roll Pin - 3/16 x 1	2			
3086	Ball Joint	1	1	1	1	58032	Roll Pin - 3/32 x 1		1	1	1
6071	Spacer Bushing	1	1	1	1	59003	Cap Screw - 5/16-18 UNC x 1 H.H., Plated	1	1	1	1
10144	Clevis Pin	1	1	1	1	59022	Cap Screw - 5/16-18 UNC x 3/4 H.H., Z.P.	2	2	2	2
10147	Bottom Cover	1	1	1	1	59023	Cap Screw - 3/8-16 UNC x 3/4 H.H., Plated	4	4	4	4
10156	R. H. Lower Handle Bar	1				59028	Cap Screw - 1/4-20 UNC x 1/2 H.H., Plated	2	2	2	2
10157	L. H. Lower Handle Bar	1				59050	Cap Screw - 1/4-20 UNC x 1-1/2 H.H., Plated	5	5	5	5
10159	Inner Belt Guard	1	1	1	1	59053	Cap Screw - 5/16-24 UNF x 3/4 H.H., Z.P.	2	2	2	2
10160	R. H. Belt Finger	1	1	1	1	59056	Cap Screw - 1/4-20 UNC x 1-1/4 H.H., Plated	1	1	1	1
10161	L. H. Belt Finger	1	1	1	1	59069	Cap Screw - 5/16-18 UNC x 1-1/4 H.H., Plated	1	1	1	1
10196	Handle Bar Washer	2	2	2	2	59072	Cap Screw - 1/4-20 UNC x 1-1/4 H.H., H.T.	1	1	1	1
10204	Spindle	1	1	1	1	59073	Cap Screw - 5/16-18 UNC x 2-3/4 H.H., Plated	1	1	1	1
10205	Drive Plate	1	1	1	1	59074	Cap Screw - 5/16-18 UNC x 2-3/4 H.H., Plated	1	1	1	1
10206	Jaw Coupling	1	1	1	1	60012	Setscrew - 5/16-18 x 3/8 Nylock	2	2	2	2
10207	Pinion and Sprocket	1	1	1	1	63002	Lockwasher - 1/4 SAE Std., Plated	4	4	4	4
10208	Pinion Stub Shaft	1	1	1	1	63003	Lockwasher - 5/16 SAE Std., Plated	9	9	9	9
10209	Support Bracket	1	1	1	1	63004	Lockwasher - 3/8 SAE Std., Plated	8	8	8	8
10211	Spur Gear	1				64002	Washer - 5/16 Wrought Plated	10	10	10	10
10212	Bracket Pin	1	1	1	1	64033	Washer - .755 I.D. x 1.375 O.D. x .125 Plated	1			
10213	Sliding Fork	1	1	1	1	64036	Washer - .880 I.D. x 1.380 O.D. x .062		1	1	1
10215	Lever Bracket	1	1	1	1	64037	Washer - 9/32 I.D. x 1-1/4 O.D. x 1/16 Plated	1	1	1	1
10217	Transfer Lever	1	1	1	1	64038	Shim Washer - .505 I.D. x .880 O.D. x 24 Ga.	OR 2	OR 2	OR 2	OR 2
10222	Disc Bracket	1	1	1	1						
10226	Neutral Catch	1	1	1	1	64042	Washer - .751/.757 I.D. x 2 O.D. x 1/8	2	1	1	1
10227	Throwout Lever	1	1	1	1	64043	Washer - SAE 3/8-13/32 I.D. x 13/16 O.D. x 1/16 Plated	1	1	1	1
10228	Lower Shift Rod	1	1	1	1						
10230	Clutch Rod	1	1	1	1	65015	Nut - 5/16-18 Hex, Plated	7	7	7	7
10231	Shift Quadrant	1	1	1	1	65018	Nut - 3/8-16 Hex, Plated	4	4	4	4
10232	Shift Handle	1	1	1	1	65031	Nut - 5/16-24 Hex, Plated	2	2	2	2
10235	Shift Rod	1	1	1	1	65040	Locknut - 1/4-20 Hex, Plated	7	7	7	7
10237	Chain	1	1	1	1	65041	Locknut - #10-24 Plated	8	8	8	8
10238	Engine Sheave	1	1	1	1	65042	Locknut - 5/16-18 Hex, Plated	2	2	2	2
10239	Driven Sheave	1	1	1	1	65043	Locknut - 5/16-24 Hex, Plated	2	2	2	2
10240	Spacer	1	1	1	1	65054	Locknut - 1/2-20 Hex, Centerlock	2	2	2	2
10241	Upper Handle Bar	1				65056	Flange Whizlock Nut - 1/4-20 Plated	6	6	6	6
10247	Ball Joint	1	1	1	1	68011	Key	2			
10248	Shift Ball	1	1	1	1	68012	Key - Woodruff #91	1			
10250	Cover	1	1	1	1	68013	Key - SAE 1035	1	1	1	1
10267	Bearing Housing	1	1	1	1	68015	Key - Woodruff #5	1	1	1	1
10275	Hex Shaft	1	1	1	1	67001	Cotter Pin - 3/32 x 3/4 Plated	2	2	2	2
10276	Sprocket	1	1	1	1	67004	Cotter Pin - 1/8 x 1 Plated	2	2	2	2
10277	Friction Disc Hub	1	1	1	1	67010	Hair Pin Cotter	1	1	1	1
10279	Axle Shaft	2				67014	Cotter Pin - 1/8 x 1-1/4 Plated	3	1	1	1
10283	Wheel Hub	1				69012	Cable Clamp	1	1	1	1
10285	Connecting Link	1	1	1	1	69032	Throttle Control	1	1	1	1
10288	Hub Cap	1	1	1	1	70005	Wheel Bolt - 1/2-20	6	6	6	6
10293	Shift Release Handle	1	1	1	1	70009	Flange Whizlock Screw - 5/16-18 x 1/2 Plated	14	14	14	14
10354	Zerk Fitting	1	1	1	1	70011	Ribbed Neck Bolt - 1/4-20 x 5/8 Plated	6	6	6	6
10355	R. H. Lower Handle Bar	1	1	1	1	70013	Belt Cover Bolt	1	1	1	1
10356	L. H. Lower Handle Bar	1	1	1	1	72047	Belt	1	1	1	1
10357	Upper Handle Bar	1	1	1	1	74001	Self-Tapping Screw - #10-12 x 1/2 Pan Head	3	3	3	3
10358	Spacer Bushing	1	1	1	1	74021	Taptite - #10-24 x 1/4	4	4	4	4
10360	Bearing Spacer	1	1	1	1	75005	Grip	1	1	1	1
10361	Shoulder Spacer	1	1	1	1	75006	Grip	2	2	2	2
10362	Clutch Lever	1	1	1	1	78010	Helicon Patent Label (Not Illus.)	1	1	1	1
10363	Clutch Bracket	1	1	1	1	78011	Clutch Label (Not Illustrated)	1	1	1	1
10366	Push Nut	1	1	1	1	78013	Carburetor Cover Decal (Not Illus.)	1	1	1	1
10369	L. H. Axle	1	1	1	1	78016	Sno Shift Label (Not Illustrated)	1	1	1	1
10370	R. H. Axle Shaft	1	1	1	1	78034	Engine Decal - 5 H.P. (Not Illus.)	1			
10372	Lockout Hub	1	1	1	1	78037	Engine Decal - 7 H.P. (Not Illus.)	1	1	1	1
10373	Carburetor Cover (Not Illus.)	1	1	1	1	78038	Differential Lock Decal	1	1	1	1
10374	Pin	1	1	1	1	83004	Spring	2	2	2	2
10375	Knob	1	1	1	1	83007	Spring	1	2	2	2
10382	Cover	2	2	2	2	83015	Spring	1	1	1	1
10389	Idler Arm	1	1	1	1						
10391	Tractor Frame	1	1	1	1						
10394	Fork Shaft	1	1	1	1						
10400	Outer Belt Guard	1	1	1	1	A10985	Tire and Wheel Assembly	2	2		2
11031	Spacer	1	1	1	1		consisting of: Req'd. per Wheel				
12023	Bearing Support	2	2	2	2	71046	Tire (Carlisle) 1				
12086	Cap	1	1	1	1		OR				
12132	Idler	1	1	1	1	71049	Tire (Goodyear) 1				
A12999	Differential Assembly	1	1	1	1	71050	Tube 1				
54063	Ball Bearing	2	2	2	2	71052	Rim 1				
54074	Thrust Bearing	1	1	1	1						
54080	Ball Bearing	2	2	2	2	A12991	Tire and Wheel Assembly			2	
55026	Bushing	2	2	2	2		consisting of: Req'd. per Wheel				
55029	Bushing	2	2	2	2	71068	Tire 1				
55030	Bushing	2	2	2	2	71050	Tube 1				
55039	Flange Bushing	2	2	2	2	71052	Rim 1				





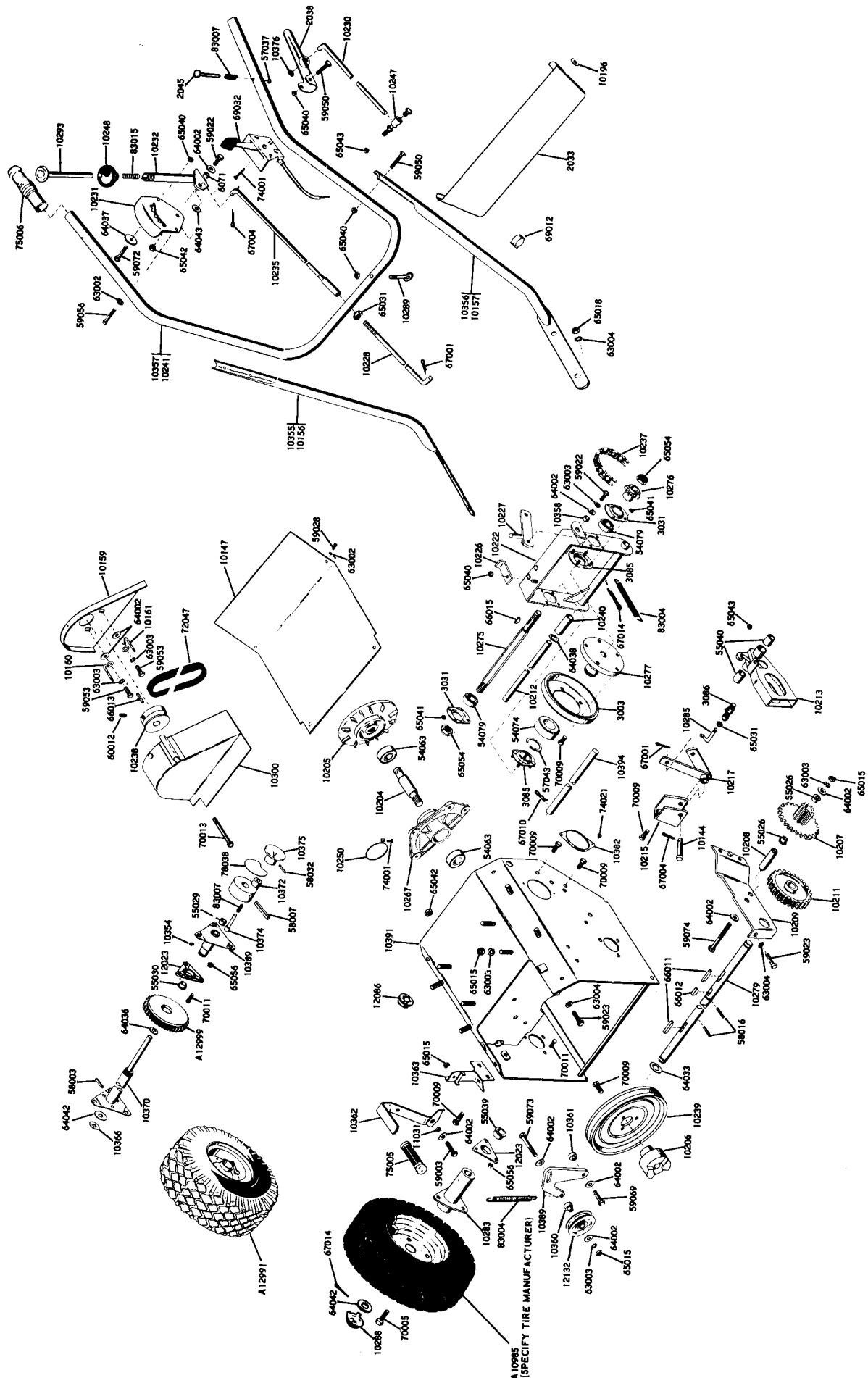


FOR USE WITH  
MODEL 10957  
TRACTOR

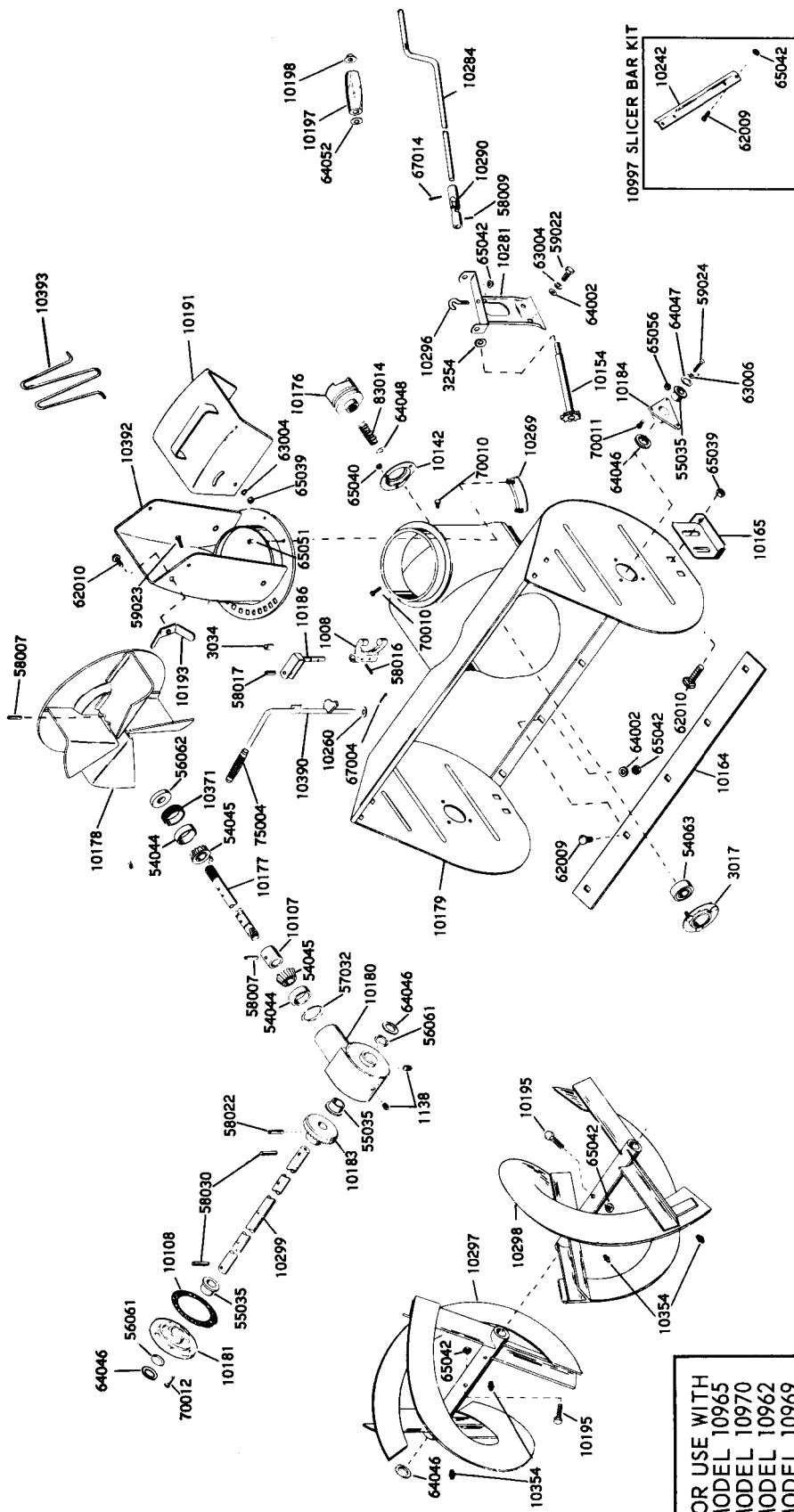


# 32" SNO-THRO MODEL 10955

Part No.	Description	No. Req'd	Part No.	Description	No. Req'd	Part No.	Description	No. Req'd	Part No.	Description	No. Req'd
1008	Clutch Fork	1	57032	Snap Ring	1	65051	Keys Nut #10-24	6	78012	SNO-THRO Label	1
1138	Pipe Plug 3/8 Sq. Hd.	2	58007	Roll Pin 1/4 x 1-1/4	3	65056	Whizlock Nut 1/4-20	6	78014	Caution Label	1
3017	Bearing Flange	1	58009	Roll Pin 1/8 x 1	1	67004	Cotter Pin 1/8 x 1	1	78055	Clutch Instruction Decal	1
3034	Roller	1	58016	Roll Pin 3/16 x 1	2	70010	Flange Whizlock Screw 3/8-16 x 1/2	2	10242	Slicer Bar	1
3254	Wave Washer	1	58017	Roll Pin 5/16 x 1-1/4	1	70011	Ribbed Neck Bolt 1/4-20 x 5/8	6	65042	Carriage Bolt 5/16-18 x 1/2	2
10107	Bearing Spacer	1	58022	Roll Pin 5/16 x 1-5/8	2	70012	Flange Whizlock Screw 1/4-20 x 3/4	5	10197	Locknut 5/16-18	2
10108	Gasket	1	58030	Roll Pin 3/16 x 1-1/2	1	75004	Grip 1/2 ID	1			
10142	Bearing Flange	1	59022	Cap screw 5/16-18 x 3/4 H. H.	2	83014	Spring	1			
10154	Control Sprocket	1	59023	Cap screw 3/8-16 x 3/4 H. H.	2						
10165	Runner	2	59024	Cap screw 1/2-13 x 1 H. H.	2						
10176	Jaw Clutch	1	62009	Carriage Bolt 5/16-18 x 1/2	7						
10177	Helicon Pinion Shaft	1	62010	Lockwasher 5/16	5						
10178	Fan	1	63003	Lockwasher 3/8	2						
10180	Gear Case Flange	1	63008	Lockwasher 1/2	2						
10183	Helicon Gear	1	64002	Washer 5/16	9						
10184	Bearing Support	2	64046	Washer 1.505 OD x 1.005 ID x 1/16	4						
10186	Fork Shaft	1	64047	Washer 1.441 OD x .511 ID x 1/8	4						
10191	Deflector	1	64048	Washer 1.375 OD x .755 ID x 1/16	1						
10193	Wing Nut	1	64032	Washer 13/16 OD x .380 ID x 24 Ga.	1						
10195	Shear Bolt	2	65035	Locknut 3/8-16	6						
10197	Grip	1	65040	Locknut 1/4-20	3						
			65042	Locknut 5/16-18	10						

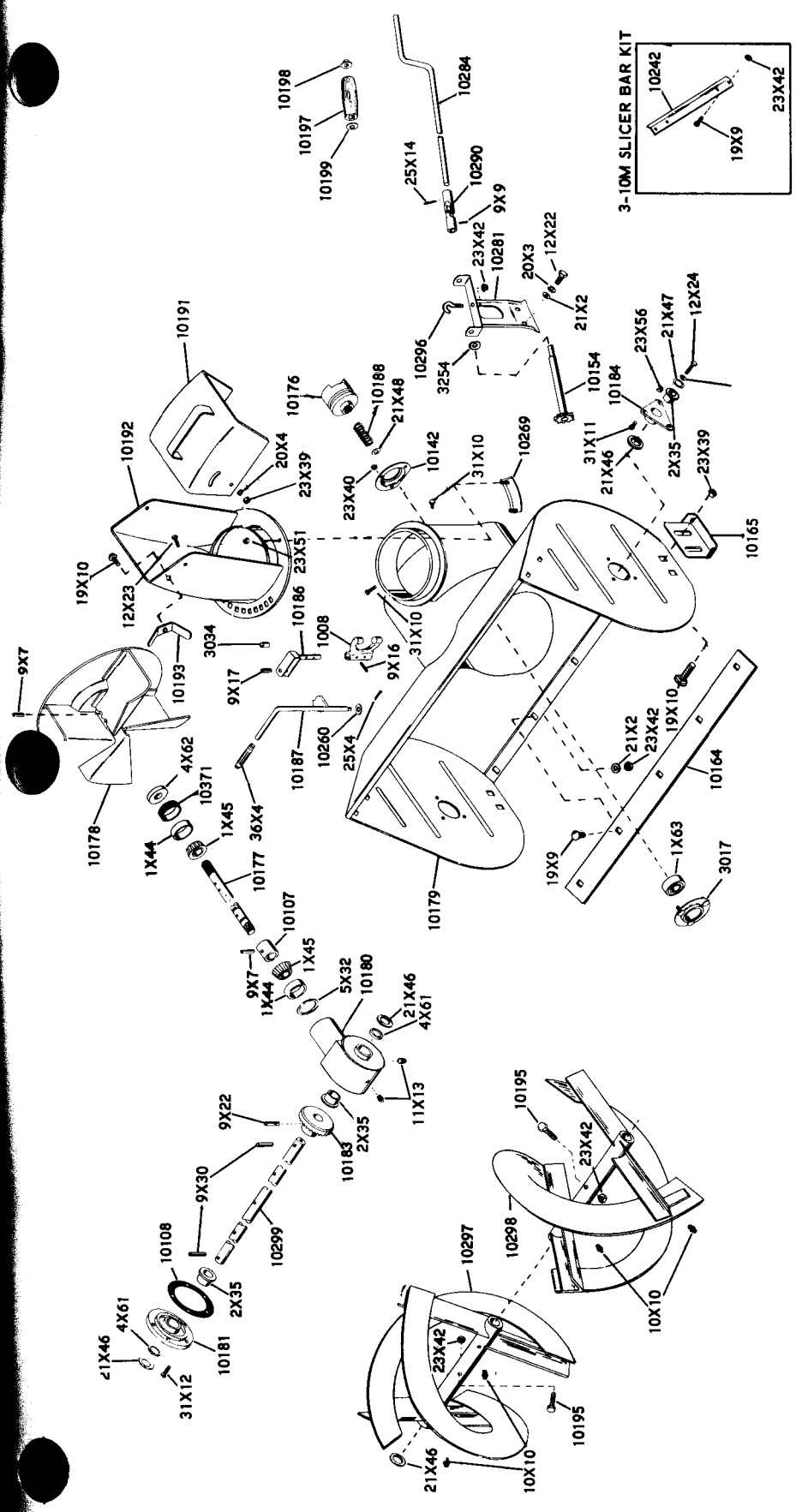






## 24" SNO-THRO ATTACHMENT MODEL 10995

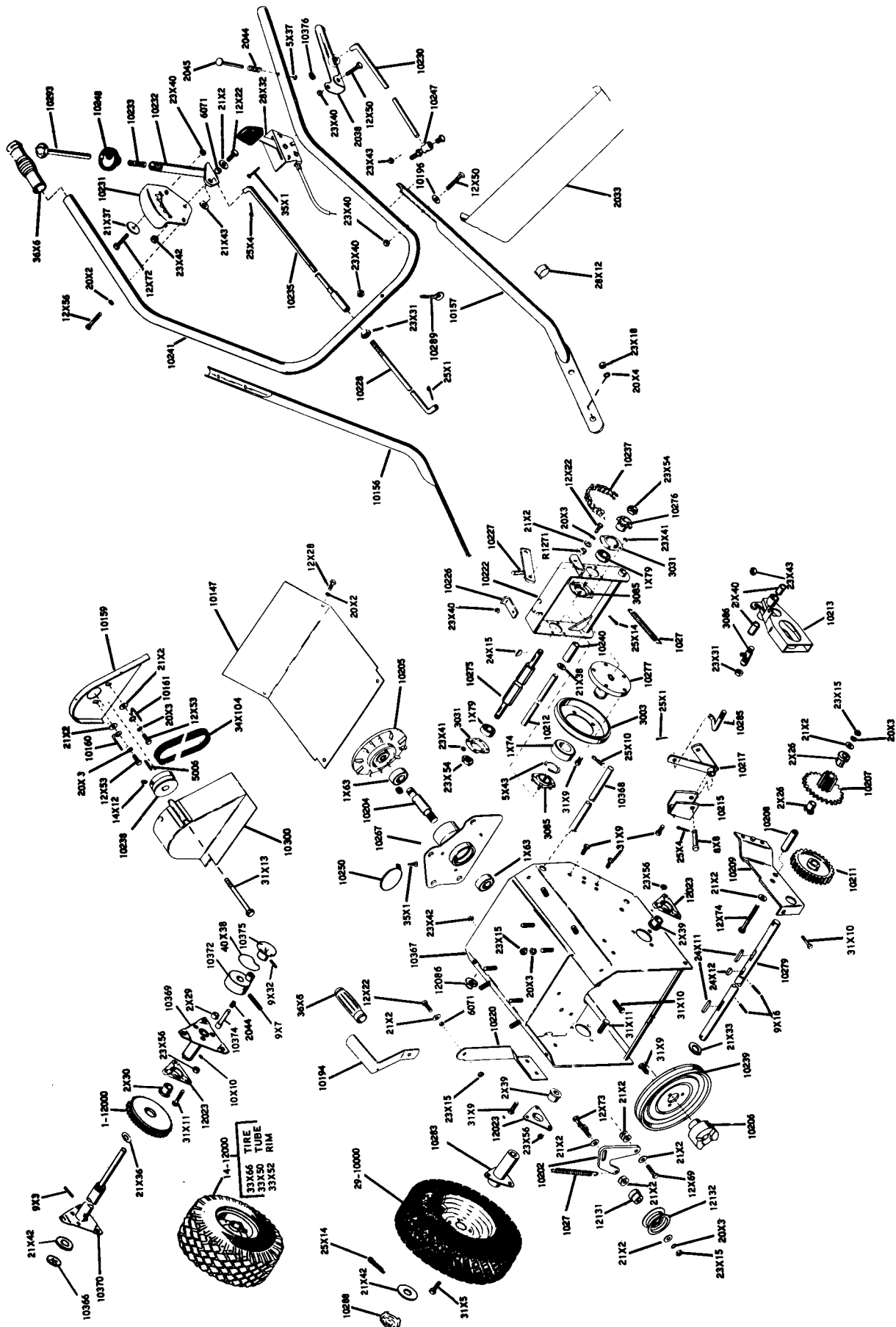
Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1008	Clutch Fork	1	58007	Roll Pin 1/4 x 1-1/4	3	65056	Whizlock Nut 1/4-20	6
1138	Pipe Plug 3/8 Sq. Hd.	2	58009	Roll Pin 3/16 x 1	1	67004	Cotter Pin 1/8 x 1	1
3017	Bearing Flange	1	58016	Roll Pin 3/16 x 1	2	67014	Cotter Pin 1/8 x 1-1/4	1
3254	Wave Washer	1	58017	Roll Pin 5/16 x 1-1/4	1	70010	Flange Whizlock Screw 3/8-16 x 1/2	2
10107	Roller	1	58022	Roll Pin 5/16 x 1-3/8	1	70011	Ribbed Neck Bolt 1/4-20 x 5/8	6
10108	Wave Washer	1	58030	Roll Pin 3/16 x 1-1/2	2	70012	Flange Whizlock Screw 1/4-20 x 3/4	5
10181	Bearing Spacer	1	59022	Capscrew 5/16-18 x 3/4 H. H.	2	75004	Grip 1/2 ID	1
10186	Gasket	1	59023	Capscrew 3/8-16 x 3/4 H. H.	2	83014	Spring	1
10154	Bearing Flange	1	59024	Capscrew 1/2-13 x 1 H. H.	5		<b>NOT ILLUSTRATED</b>	
10164	Control Sprocket	1	62010	Carriage Bolt 5/16-18 x 1/2	2	78012	Sno-Thro Label	1
10165	Scraper Blade	1	63003	Carriage Bolt 5/16-18 x 1/2	5	78014	Caution Label	1
10176	Runner	2	63004	Lockwasher 5/16	2	78055	Clutch Instruction Decal	1
10177	Jaw Clutch	1	63006	Lockwasher 3/8	2			
10178	Helicon Pinion Shaft	1	64002	Lockwasher 1/2	7			
10179	Fan	1	64046	Washer 5/16	4			
10180	Blower Housing	1	64047	Washer 1.505 OD x 1.005 ID x 1/16	2			
10181	Gear Case	1	64048	Washer 1.441 OD x .511 ID x 1/8	4			
10183	Gear Case Flange	1	64049	Washer 1.375 OD x .755 ID x 1/16	1			
10184	Helicon Gear	1	64052	Washer 13/16 OD x .380 ID x 24 Ga.	6			
10186	Bearing Support	2	64053	Locknut 3/8-16	1			
10188	Fork Shaft	1	65040	Locknut 1/4-20	3			
10191	Deflector	1	65042	Locknut 1/16-18	8			
10193	Wing Nut	1	65051	Locknut #10-24	3			
57032	Shear Bolt	2			6			
10197	Grip	1	62009	Slicer Bar	1			
10198	Cap	1	65042	Locknut 5/16-18 x 1/2	2			
10260	Wave Washer	1						
10269	Chute Clamp	1						
10281	Chute Control Support	3						
10284	Chute Control Crank	1						
10290	Universal Joint	1						
10296	J-Bolt	1						
10297	R. H. Rake	1						
10298	L. H. Rake	1						
10299	Front Gear Shaft	1						
10354	Zerk Fitting	4						
10371	Adjustment Plug	1						
10390	Fork Cam	1						
10392	Discharge Chute	1						
10393	Safety Wire	1						
54044	Bearing Cup	2						
54045	Bearing Cone	2						
54063	Ball Bearing	1						
55035	Bushing	4						
58061	Seal	2						
58062	Seal	1						
57032	Snap Ring	2						



Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1008	Clutch Fork	1	10193	Wing Nut	1	9X9	Roll Pin 1/8 x 1	1
3017	Bearing Flange	1	10195	Shear Bolt	2	9X16	Roll Pin 3/16 x 1	2
3034	Roller	1	10197	Grip	1	9X17	Roll Pin 5/16 x 1-1/4	1
3254	Wave Washer	1	10199	Cap	1	9X22	Roll Pin 5/16 x 1-3/8	1
10107	Bearing Spacer	1	10199	Fastener	1	9X30	Roll Pin 3/16 x 1-1/2	2
10108	Gasket	1	10260	Wave Washer	1	10X10	Zerk Fitting	4
10142	Bearing Flange	1	10268	Clute Clamp	3	11X13	Pipe Plug 3/8 Sq. Hd.	4
10154	Control Sprocket	1	10281	Clute Control Support	1	12X22	Capscrew 5/16-18 x 3/4 H.H.	2
10164	Scrapor Blade	1	10284	Clute Control Crank	1	12X23	Capscrew 3/8-16 x 3/4 H.H.	2
10165	Runner	2	10290	Universal Joint	1	12X24	Capscrew 1/2-13 x 1 H.H.	2
10176	Jaw Clutch	1	10298	J-Bolt	1	19X9	Carriage Bolt 5/16-18 x 1/2	5
10177	Helicon Pintion Shaft	1	10297	R. H. Rake	1	19X10	Carriage Bolt 3/8-16 x 3/4	2
10178	Fan	1	10298	L. H. Rake	1	20X3	Lockwasher 5/16	2
10179	Blower Housing	1	10299	Front Gear Shaft	1	20X4	Lockwasher 3/8	2
10180	Gear Case	1	10371	Adjustment Plug	1	20X6	Lockwasher 1/2	2
10181	Gear Case Flange	1	1X44	Bearing Cup	2	21X2	Washer 5/16	7
10183	Helicon Gear	1	1X45	Bearing Cone	2	21X46	Washer 1.505 OD x 1.005 ID x 1/16	4
10184	Bearing Support	2	1X63	Ball Bearing	1	21X47	Washer 1.441 OD x .511 ID x 1/8	2
10186	Fork Shaft	1	2X35	Bushing	4	21X48	Washer 1.975 OD x .755 ID x 1/16	1
10187	Fork Cam	1	4X61	Seal	2	23X39	Locknut 1/4-20	6
10188	Spring	1	5X32	Seal	1	23X40	Locknut 3/8-16	3
10191	Deflector	1	5X32	Snap Ring	1	23X42	Locknut 5/16-18	8
10192	Discharge Chute	1	9X7	Roll Pin 1/4 x 1-1/4	3	23X51	Keys Nut #10-24	6
23X56	Whizlock Nut 1/4-20	6						
25X4	Cotter Pin 1/8 x 1	1						
25X14	Cotter Pin 1/8 x 1-1/4	1						
31X10	Flange Whizlock Screw 3/8-18 x 1/2	2						
31X11	Ribbed Neck Bolt 1/4-20 x 5/8	6						
31X12	Flange Whizlock Screw 1/4-20 x 3/4	5						
36X4	Grip 1/2 ID	1						
NOT ILLUSTRATED								
40X12	Sno-Thro Label	1						
40X14	Caution Label	1						
40X30	Attachment Label	1						
40X31	In-Out Label	1						
3-10M SLICER BAR KIT								
10242	Slicer Bar	1						
19X9	Carriage Bolt 5/16-18 x 1/2	2						
23X42	Locknut 5/16-18	2						



Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1027	Spring	2	10267	Bearing Housing	1	21X43	Washer 3/8 SAE	1
2033	Handle Bar Panel	1	10275	Hex Shaft	1	23X15	Nut 5/16-18 Hex	7
2038	Clutch Handle	1	10276	Sprocket	1	23X18	Nut 3/8-16 Hex	4
2044	Clutch Lock Spring	1	10277	Friction Disc Hub	1	23X31	Nut 5/16-24 Hex	2
2045	Clutch Lock Pin	1	10279	Axle Shaft	1	23X40	Locknut 1/4-20 Hex	8
3003	Friction Wheel	1	10285	Connecting Link	1	23X41	Locknut 10-24 Hex	8
3031	Bearing Flange	2	10288	Hub Cap	2	23X42	Locknut 5/16-18 Hex	2
3085	Bearing Flange	2	10289	Rod Hanger	1	23X43	Locknut 5/16-24 Hex	2
3086	Ball Joint	1	10293	Shift Release Handle	1	23X54	Locknut 1/2-20 Hex	2
5006	Key 3/16 Sq. x 1	1	10294	Engine Sheave	1	23X56	Flange Whizlock Nut 1/4-20	6
6071	Spacer	2	10300	Outer Belt Guard	1	24X11	Feather Key	2
R-1271	Spacer Bushing	1	10364	Carburetor Cover (Not Illustrated)	1	24X12	Key #91 Woodruff	1
10147	Bottom Cover	1	10367	Tractor Frame	1	24X15	Key #5 Woodruff	1
10156	R.H. Lower Handle Bar (Painted)	1	10368	Fork Shaft	1	25X1	Cotter Pin 3/32 x 3/4	2
10157	L.H. Lower Handle Bar (Painted)	1	10376	Ratchet Plate	1	25X4	Cotter Pin 1/8 x 1	2
10159	Inner Belt Guard	1	12023	Bearing Support	2	25X10	Hair Pin Cotter	1
10160	R.H. Belt Finger	1	12086	Cap	1	25X14	Cotter Pin 1/8 x 1-1/4	3
10161	L.H. Belt Finger	1	12131	Bearing Spacer	1	28X12	Cable Clamp	1
10194	Clutch Lever	1	12132	Idler	1	28X32	Throttle Control	1
10196	Handle Bar Washer	2	1X63	Bearing	2	31X9	Flange Whizlock Screw 5/16-18 x 1/2	14
10202	Idler Arm	1	1X74	Thrust Bearing	1	31X10	Flange Whizlock Screw 3/8-16 x 1/2	4
10204	Spindle	1	1X79	Bearing	2	31X11	Ribbed Neck Bolt 1/4-20 x 5/8	6
10205	Drive Plate	1	2X26	Bushing	2	31X13	Belt Cover Bolt	1
10206	Jaw Coupling	1	2X39	Bushing	2	33X62	Tire and Wheel Assembly	2
10207	Pinion and Sprocket	1	2X40	Bushing	2	34X89	Belt	2
10208	Pinion Stub Shaft	1	5X37	Retaining Ring	1	35X1	Self-Tapping Screw	2
10209	Support Bracket	1	5X43	Snap Ring	1	36X5	Grip 3/4 x 3-1/2	1
10211	Spur Gear	1	8X8	Clevis Pin	1	36X6	Grip 1 x 4-1/2 or 5	2
10212	Bracket Pin	1	9X16	Roll Pin 3/16 x 1	2		DECALS (NOT ILLUSTRATED)	
10213	Sliding Fork	1	12X22	Capscrew 5/16-18 x 3/4 H.H.	3	40X10	Hellcon Patent Label	1
10215	Lever Bracket	1	12X28	Capscrew 1/4-20 x 1/2 H.H.	2	40X11	Clutch Label	1
10217	Transfer Lever	1	12X50	Capscrew 1/4-20 x 1-1/2 H.H.	5	40X13	Carburetor Cover Label	1
10220	Clutch Bracket	1	12X53	Capscrew 5/16-24 x 3/4 H.H.	2	40X16	Sno-Shift Label	1
10222	Disc Bracket	1	12X56	Capscrew 1/4-20 x 1-1/4 H.H.	2	40X33	Engine Label, 4 H.P.	1
10226	Neutral Catch	1	12X69	Capscrew 5/16-18 x 1-1/4 H.H.	1			
10227	Throwout Lever	1	12X72	Capscrew 1/4-20 x 1-1/4 H.H. H.T.	1			
10228	Lower Shift Rod	1	12X73	Capscrew 5/16-18 x 1-3/4 H.H.	1			
10230	Clutch Rod	1	12X74	Capscrew 5/16-18 x 2-3/4 H.H.	1			
10231	Shift Quadrant	1	14X12	Set Screw 5/16-18 x 3/8 Nylock	2			
10232	Shift Handle	1	20X2	Lockwasher 1/4 Std.	4			
10233	Spring	1	20X3	Lockwasher 5/16 Std.	9			
10235	Shift Rod	1	20X4	Lockwasher 3/8 Std.	4			
10237	Chain	1	21X2	Washer 5/16 Wrought	15			
10239	Sheave	1	21X33	Washer 1.375 OD x .755 ID x .125	1			
10240	Idler Arm Hub Spacer	1	21X37	Washer 1-1/4 OD x 9/32 ID x 1/16	1			
10241	Upper Handle Bar (Painted)	1	21X38	Shim Washer .880 OD x .505 ID x 24 Ga.	1 or 2			
10247	Ball Joint	1	21X42	Washer 2 OD x -.751 - ID x .125	2			
10248	Shift Ball	1						

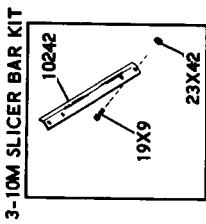
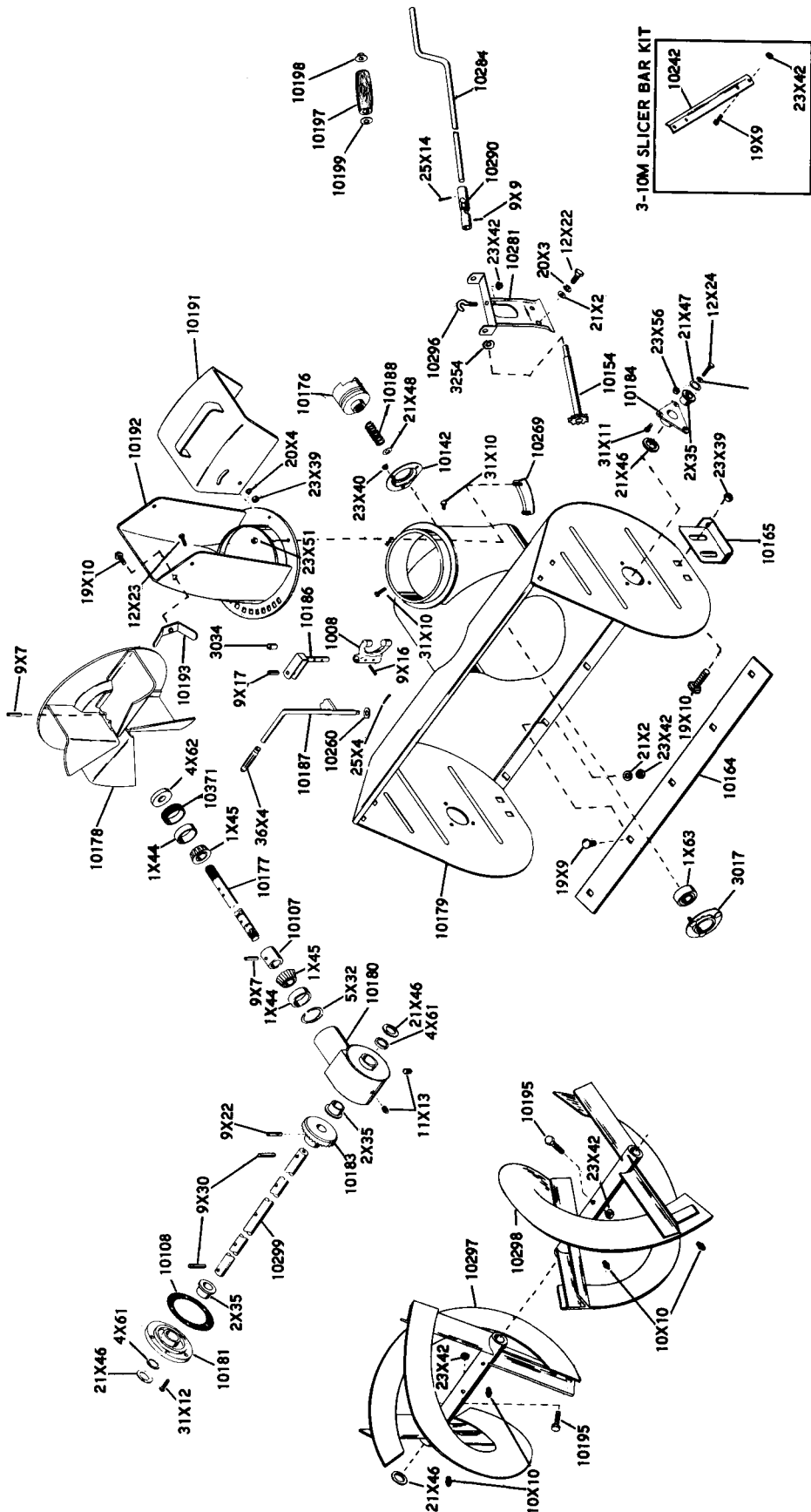




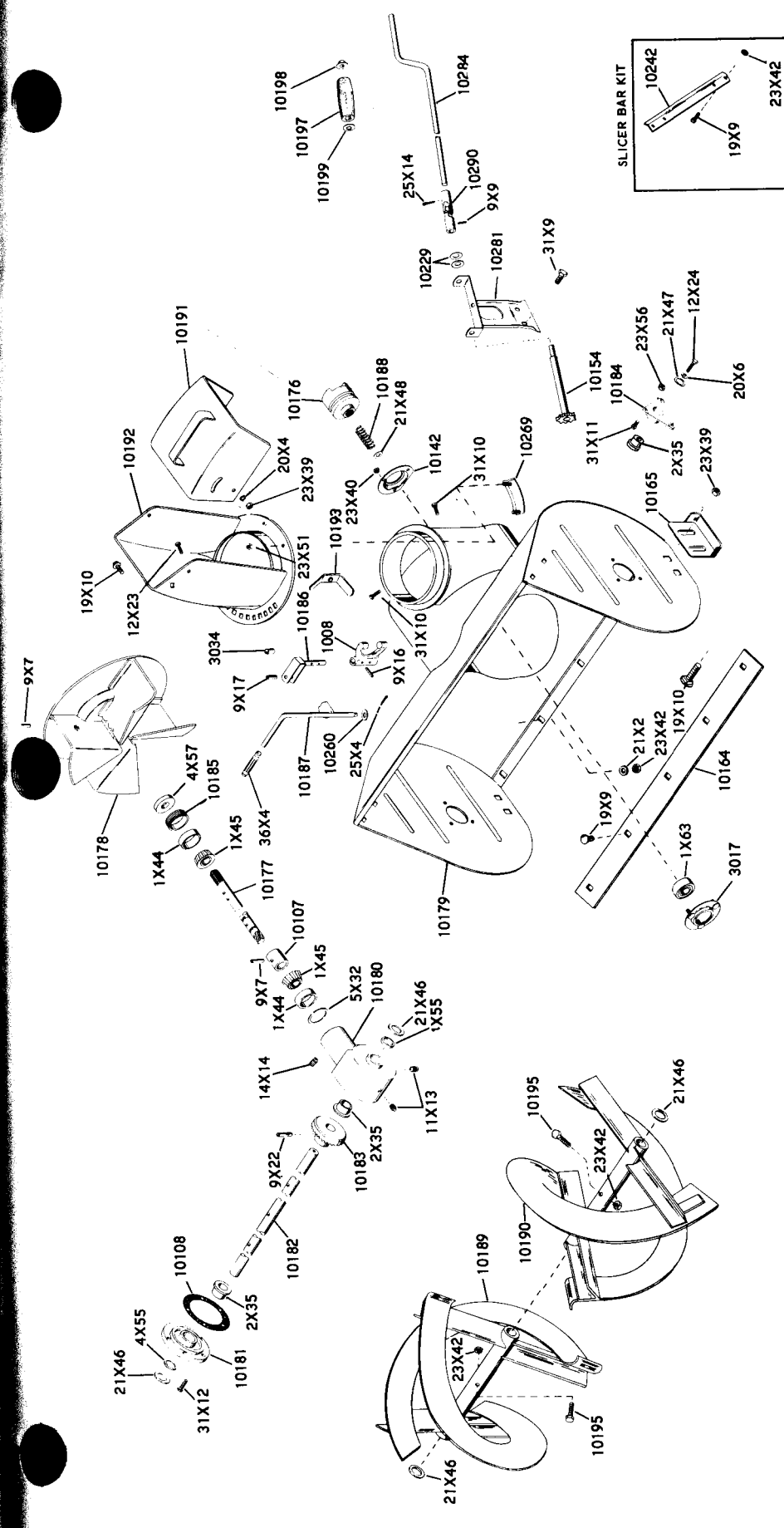
Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1027	Spring	2	10366	Push Nut	1	21X43	Washer - 3/8 SAE Plated	1	21X43	Washer - 3/8 SAE Plated	1
2033	Handle Bar Panel	1	10367	Tractor Frame	1	23X15	Nut - 5/16-18 Hex, Plated	1	23X15	Nut - 5/16-18 Hex, Plated	1
2038	Clutch Handle	1	10368	Fork Shaft	1	23X18	Nut - 3/8-16 Hex, Plated	1	23X18	Nut - 3/8-16 Hex, Plated	1
2044	Clutch Lock Spring	1	10369	L.H. Axle	1	23X31	Nut - 5/16-24 Hex, Plated	1	23X31	Nut - 5/16-24 Hex, Plated	1
2045	Clutch Lock Pin	2	10370	R.H. Axle Shaft	1	23X40	Locknut - 1/4-20 Hex, Plated	1	23X40	Locknut - 1/4-20 Hex, Plated	1
3003	Friction Wheel	1	10371	Lockout Hub	1	23X41	Locknut - #10-24 Plated	1	23X41	Locknut - #10-24 Plated	1
3031	Bearing Flange	1	10372	Pin	1	23X42	Locknut - 5/16-18 Hex, Plated	1	23X42	Locknut - 5/16-18 Hex, Plated	1
3085	Bearing Flange	2	10373	Knob	1	23X43	Locknut - 1/2-20 Hex, Centerlock	1	23X43	Locknut - 1/2-20 Hex, Centerlock	1
3086	Ball Joint	1	10374	Ratchet Plate	1	23X54	Flanged Whizlock Nut - 1/4-20 Plated	1	23X54	Flanged Whizlock Nut - 1/4-20 Plated	1
5006	Key - 3/16 Sq. x 1"	1	1-12000	Differential Assembly	1	24X11	Feather Key	1	24X11	Feather Key	1
6071	Spacer	2	12023	Bearing Support	2	24X12	Key - #91 Woodruff	2	24X12	Key - #91 Woodruff	2
R-1271	Spacer Bushing	1	12086	Cap	1	24X15	Key - #5 Woodruff	1	24X15	Key - #5 Woodruff	1
10147	Bottom Cover	1	12131	Bearing Spacer	1	25X41	Cotter Pin - 3/32 x 3/4 Plated	1	25X41	Cotter Pin - 3/32 x 3/4 Plated	1
10156	R.H. Lower Handle Bar (Painted)	1	12132	Idle	1	25X44	Cotter Pin - 1/8 x 1 Plated	1	25X44	Cotter Pin - 1/8 x 1 Plated	1
10156	R.H. Lower Handle Bar (Plated)	1	1X74	Bearing	1	25X10	Hair Pin Cotter	1	25X10	Hair Pin Cotter	1
10157	L.H. Lower Handle Bar (Painted)	1	1X75	Ball Bearing	1	25X14	Cable Clamp	1	25X14	Cable Clamp	1
10157	L.H. Lower Handle Bar (Plated)	1	2X26	Bushing	1	25X14	Throttle Control	1	25X14	Throttle Control	1
10159	Inner Belt Guard	1	2X29	Bushing	1	31X5	Wheel Bolts - 1/2-20	1	31X5	Wheel Bolts - 1/2-20	1
10160	R.H. Belt Finger	1	2X30	Bushing	1	31X9	Flange Whizlock Screw - 5/16-18 x 1/2 Plated	1	31X9	Flange Whizlock Screw - 5/16-18 x 1/2 Plated	1
10161	L.H. Belt Finger	1	2X39	Bushing	1	31X11	Flange Whizlock Screw - 3/8-16 x 1/2 Plated	1	31X11	Flange Whizlock Screw - 3/8-16 x 1/2 Plated	1
10194	Clutch Lever	1	2X40	Bushing	1	31X13	Ribbed Neck Bolt - 1/4-20 x 5/8 Plated	1	31X13	Ribbed Neck Bolt - 1/4-20 x 5/8 Plated	1
10196	Handle Bar Washer	2	5X37	Retaining Pin	2	34X104	Belt Cover Bolt	1	34X104	Belt Cover Bolt	1
10202	Idle Arm	1	8X8	Clevis Pin	1	35X1	Belt	1	35X1	Belt	1
10204	Spindle	1	9X3	Roll Pin - 3/16 x 1-1/4	1		Tapping Screw - #10 x 1/2	1		Tapping Screw - #10 x 1/2	1
10205	Drive Plate	1	9X7	Roll Pin - 1/4 x 1-1/4	1		Pan Head	1		Pan Head	1
10206	Jaw Coupling	1	9X16	Roll Pin - 3/16 x 1	1		Grip	1		Grip	1
10207	Pinion and Sprocket	1	9X32	Roll Pin - 3/32 x 1	1		Grip	1		Grip	1
10208	Pinion Stub Shaft	1	10X10	Zerk Fitting	1						
10208	Support Bracket	1	12X22	Cap Screw - 5/16-18 x 3/4	1	29-10000	Tire and Wheel Assembly consisting of: Req'd per Wheel	2	29-10000	Tire and Wheel Assembly consisting of: Req'd per Wheel	2
10211	Spur Gear	1		H.H. Plated	1						
10212	Bracket Pin	1		H.H. Plated	1						
10213	Sliding Fork	1		H.H. Plated	1						
10215	Lever Bracket	1	12X28	Cap Screw - 1/4-20 x 1/2	1						
10217	Transfer Lever	1	12X50	Cap Screw - 1/4-20 x 1-1/2	1						
10220	Clutch Bracket	1	12X53	Cap Screw - 5/16-24 x 3/4	1						
10222	Disc Bracket	1	12X56	Cap Screw - 5/16-24 x 3/4	1						
10226	Neutral Catch	1	12X69	Cap Screw - 5/16-18 x 1-1/4	1						
10227	Throwout Lever	1	12X72	Cap Screw - 1/4-20 x 1-1/4	1						
10228	Lower Shift Rod	1	12X73	Cap Screw - 5/16-18 x 1-3/4	1						
10230	Clutch Rod	1	12X74	Cap Screw - 5/16-18 x 2-3/4	1						
10231	Shift Quadrant	1	14X12	Setscrew - 5/16-18 x 3/8 Nylock	1						
10232	Shift Handle	1	20X2	Lockwasher - 1/4 Std. Plated	1						
10233	Spring	1	20X3	Lockwasher - 5/16 Std. Plated	1						
10235	Shift Rod	1	20X4	Lockwasher - 3/8 Std. Plated	1						
10237	Chain	1	21X2	Washer - 5/16 Wrought Plated	1						
10238	Engine Sheave	1	21X33	Washer - .755 ID x 1.375 OD x .125	1						
10239	Sheave	1	21X36	Washer - 1.380 OD x .880 ID x .082	1						
10240	Spacer	1	21X37	Washer - 1-1/4 OD x 9/32 ID x 1/16	1						
10241	Upper Handle Bar (Painted)	1	21X38	Washer - .880 OD x .505 ID x 24 ga.	1						
10241	Upper Handle Bar (Plated)	1	21X42	Washer - 2 OD x .751/.787 ID x 1/8	1						
10247	Ball Joint	1									
10248	Shift Ball	1									
10250	Cover	1									
10250	Bearing Housing	1									
10257	Hex Shaft	1									
10276	Sprocket	1									
10277	Friction Disc Hub	1									
10279	Axle Shaft	1									
10283	Wheel Hub	1									
10285	Connecting Link	1									
10286	Hub Cap	1									
10289	Rod Hanger	1									
10293	Shift Release Handle	1									
10300	Outer Belt Guard	1									
10365	Carburetor Cover (Not Illustrated)	1									

\* Valve hole in drop center of rim.  
 A Valve hole 20° below drop center of rim.

DECALS (NOT ILLUSTRATED)



Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1008	Clutch Fork	1	9X9	Roll Pin 1/8 x 1	1	23X56	Whizlock Nut 1/4-20	6
3017	Bearing Flange	1	9X16	Roll Pin 3/16 x 1	2	25X4	Cotter Pin 1/8 x 1	1
3034	Roller	1	9X17	Roll Pin 5/16 x 1-1/4	1	25X14	Cotter Pin 1/8 x 1-1/4	1
3254	Wave Washer	1	9X22	Roll Pin 5/16 x 1-3/8	1	31X10	Flange Whizlock Screw 3/8-16 x 1/2	2
10107	Bearing Spacer	1	9X30	Roll Pin 3/16 x 1-1/2	2	31X11	Ribbed Neck Bolt 1/4-20 x 5/8	6
10108	Gasket	1	11X13	Zerk Fitting	4	31X12	Flange Whizlock Screw 1/4-20 x 3/4	6
10142	Bearing Flange	1	11X13	Pipe Plug 3/8 Sq. Hd.	2	36X4	Grip 1/2 ID	1
10154	Control Sprocket	1	12X22	Capscrew 9/16-18 x 3/4 H.H.	2		NOT ILLUSTRATED	
10164	Scrapor Blade	1	12X23	Capscrew 3/8-16 x 3/4 H.H.	2	40X12	Sno-Thru Label	1
10176	Jaw Clutch	1	12X24	Capscrew 1/2-13 x 1 H.H.	2	40X14	Caution Label	1
10177	Helicon Pinion Shaft	1	19X9	Carriage Bolt 5/16-16 x 1/2	5	40X30	Attachment Label	1
10178	Fan	1	19X10	Carriage Bolt 3/8-16 x 3/4	2	40X31	In-Out Label	1
10179	Blower Housing	1	20X3	Lockwasher 5/16	2		3-10M SLICER BAR KIT	
10180	Gear Case	1	20X4	Lockwasher 3/8	2	10242	Slicer Bar	1
10181	Gear Case Flange	1	20X6	Lockwasher 1/2	2	19X9	Carriage Bolt 5/16-18 x 1/2	2
10183	Helicon Gear	1	21X2	Washer 5/16	7	23X42	Locknut 5/16-18	2
10184	Bearing Support	2	21X46	Washer 1.505 OD x 1.005 ID x 1/16	4			
10186	Fork Shaft	1	21X47	Washer 1.441 OD x .511 ID x 1/8	2			
10187	Fork Cam	1	21X48	Washer 1.375 OD x .755 ID x 1/16	1			
10188	Spring	1	23X39	Locknut 1/4-20	3			
10191	Deflector	1	23X40	Locknut 5/8-18	3			
10192	Large Chute	1	23X42	Locknut 5/16-18	8			
			9X7	Roll Pin 1/4 x 1-1/4	3			



Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1008	Clutch Fork	1	10186	Fork Shaft	1	1X63	Ball Bearing	1	21X46	Washer 1.505 OD x 1.005 ID x 1/16	4
3017	Bearing Flange	1	10187	Fork Cam	1	2X35	Bushing	2	21X47	Washer 1.441 OD x .511 ID x 1/8	2
3034	Roller	1	10188	Spring	1	4X55	Seal	2	21X48	Washer 1.375 OD x .755 ID x 1/16	1
10107	Bearing Spacer	1	10189	R. H. Rake	1	4X57	Seal	1	23X39	Locknut 3/8-16	6
10108	Gasket	1	10190	L. H. Rake	1	5X32	Snap Ring	1	23X40	Locknut 1/4-20	3
10142	Bearing Flange	1	10191	Deflector	1	9X7	Roll Pin 1/4 x 1-1/4	3	23X42	Locknut 5/16-18	7
10154	Control Sprocket	1	10192	Discharge Chute	1	9X9	Roll Pin 1/8 x 1	1	23X51	Nut #10-24	6
10164	Scraper Blade	1	10193	Wing Nut 1/8 x 1	1	9X16	Roll Pin 3/16 x 1	2	23X51	Nut 1/4-20	2
10165	Runner	2	10195	Shear Bolt	2	9X17	Roll Pin 5/16 x 1-3/8	1	25X4	Cotter Pin 1/8 x 1	6
10176	Sliding Jaw	1	10197	Grip	1	11X13	Pipe Plug 3/8 Sq. Hd.	1	25X4	Cotter Pin 1/8 x 1	1
10177	Helicon Pinion	1	10198	Cap	1	12X23	Capscrew 3/8-16 x 3/4	2	25X4	Cotter Pin 1/8 x 1	1
10178	Fan	1	10199	Fastener	1	12X24	Capscrew 1/2-13 x 1	2	31X10	Flange Whizlock Screw 5/16-18 x 1/2	2
10179	Blower Housing	1	10229	Wave Washer	1 or 2	14X14	Set Screw 1/4-20 x 1/4	2	31X10	Flange Whizlock Screw 3/8-16 x 1/2	2
10180	Gear Case	1	10260	Wave Washer	3	19X9	Carriage Bolt 5/16-18 x 1/2	5	31X11	Ribbed Neck Bolt 1/4-20 x 5/8	5
10181	Flange	1	10269	Chute Clamp	1	19X10	Carriage Bolt 3/8-16 x 3/4	5	36X4	Grip 1/2 ID	1
10183	Front Gear Shaft	1	10281	Chute Control Support	1	20X4	Lockwasher 3/8	2	10242	Slicer Bar	1
10184	Helicon Gear	1	10284	Chute Control Crank	1	20X6	Lockwasher 1/2	2	19X9	Carriage Bolt 5/16-18 x 1/2	2
10185	Bearing Support	2	10290	Universal Joint	1	21X2	Washer 5/16	5	23X42	Locknut 5/16-18	2
	Adjustment Plug	1	1X44	Bearing Cup	2						
			1X45	Bearing Cone	2						

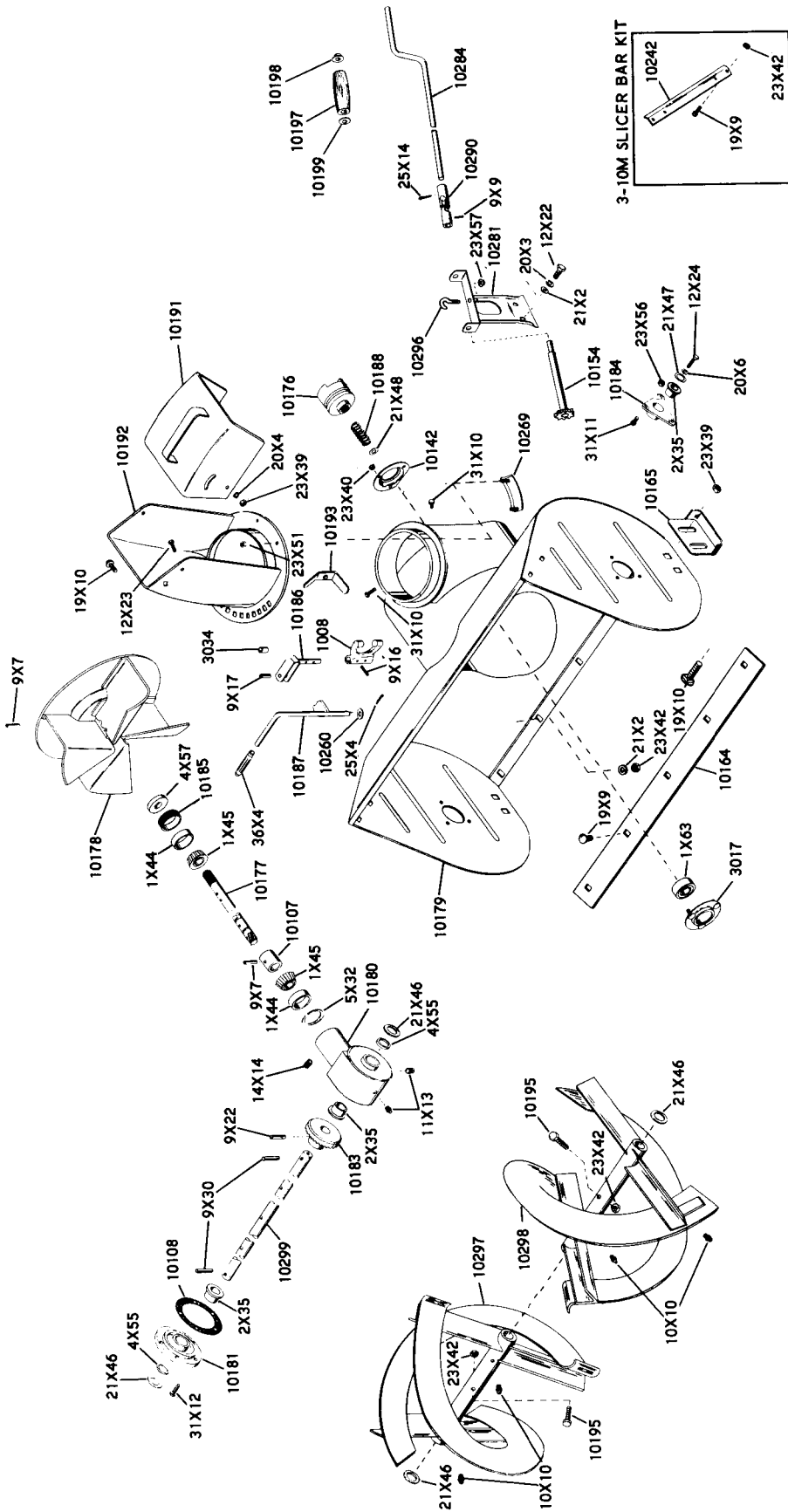


PARTS LIST FOR 4 HP TRACTOR

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1027	Spring	2	10230	Clutch Rod	1	12X72	Capscrew 1/4-20 x 1-1/4	1
2033	Handle Bar Panel	1	10231	Shift Quadrant	1	12X73	Capscrew 5/16-18 x 1-3/4	1
2038	Clutch Handle	1	10232	Shift Handle	1	12X74	Capscrew 5/16-18 x 2/3/4	1
2044	Clutch Lock Spring	1	10233	Spring	1	14X12	Set Screw 5/16-18 x 3/8	2
2045	Clutch Lock Pin	1	10235	Shift Rod	1	20X2	Lockwasher 1/4 Std.	2
2402	Idler	1	10237	Chain	1	20X3	Lockwasher 5/16 Std.	10
3003	Friction Wheel	1	10239	Sheave	1	20X4	Lockwasher 3/8 Std.	4
3031	Bearing Flange	2	10240	Idler Arm Hub Spacer	1	21X2	Washer 5/16	15
3085	Bearing Flange	2	10241	Upper Handle Bar	1	21X7	Washer 1/4	1
3086	Ball Joint	1	10247	Ball Joint	1	21X33	Washer	1
5006	Key 3/16 Sq. x 1"	1	10248	Shift Ball	1	21X37	Washer	1
6071	Spacer	2	10266	Tractor Frame	1	21X38	Shim Washer	1
R-1271	Spacer Bushing	1	10267	Bearing Housing	1	21X42	Washer	2
10147	Bottom Cover	1	10272	Carburetor Cover (Not Illus.)	1	21X43	Washer	1
10156	R. H. Lower Handle Bar	1	10275	Hex Shaft	1	23X15	Nut 5/16-18	1
10157	L. H. Lower Handle Bar	1	10276	Sprocket	1	23X18	Nut 3/8-16	7
10158	Outer Belt Guard	1	10277	Friction Disc Hub	1	23X31	Nut 5/16-24	4
10159	Inner Belt Guard	1	10279	Axle Shaft	1	23X40	Locknut 1/4-20	2
10160	R. H. Belt Finger	1	10285	Connecting Link	2	23X41	Locknut 3/16 10-24	8
10161	L. H. Belt Finger	1	10288	Hub Cap	1	23X42	Locknut 5/16-18	8
10194	Clutch Lever	1	10289	Eye Bolt Rod Hanger	1	23X43	Locknut 5/16-24	4
10196	Handle Bar Washer	2	10293	Shift Release Handle	1	23X54	Locknut 1/2-20	2
10202	Idler Arm	1	10294	Engine Sheave	1	23X56	Nut 1/4-20	6
10204	Spindle	1	12023	Bearing Support	2	24X11	Feather Key	2
10205	Drive Plate	1	1X63	Ball Bearing	2	24X12	Key #91 Woodruff	1
10206	Jaw Coupling	1	1X74	Thrust Bearing	1	24X15	Key #5 Woodruff	1
10207	Pinion & Sprocket	1	1X78	Ball Bearing	2	25X1	Cotter Pin 3/32 x 3/4	2
10208	Pinion Stub Shaft	1	2X26	Bushing	2	25X4	Cotter Pin 1/8 x 1	3
10209	Support Bracket	1	2X34	Bushing	2	25X10	Hair Cotter Pin	2
10211	Spur Gear	1	5X37	Retaining Ring	1	25X14	Cotter Pin 1/8 x 1-1/4	3
10212	Bracket Pin	1	5X43	Snap Ring	1	28X12	Cable Clamp	1
10213	Sliding Fork	1	8X8	Clevis Pin	1	28X32	Throttle Control	1
10214	Fork Shaft	1	9X16	Roll Pin 3/16 x 1	1	31X9	Flange Whizlock Screw 5/16-18 x 1/2	14
10215	Lever Bracket	1	12X22	Capscrew 5/16-18 x 3/4	2	31X10	Flange Whizlock Screw 3/8-16 x 1/2	4
10217	Transfer Lever	1	12X50	Capscrew 1/4-20 x 1-1/2	3	31X11	Ribbed Neck Bolt 1/4-20 x 5/8	6
10220	Clutch Bracket	1	12X53	Capscrew 5/16-24 x 3/4	5	33X62	Tire & Wheel Assembly	2
10222	Disc Bracket	1	12X56	Capscrew 1/4-20 x 1-1/4	2	34X89	Belt	1
10226	Neutral Catch	1	12X69	Capscrew 5/16-18 x 1-1/4	1	35X1	Self-Tapping Screw #10 x 1/2	4
10227	Throwout Lever	1				36X5	Grip 3/4 x 3-1/2	1
10228	Lower Shift Rod	1				36X6	Grip 1 x 4-1/2 or 5	2



Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	No. Req'd.
1027	Spring	2	10275	Hex Shaft	1	31X11	Ribbed Neck Bolt 1/4-20 x 5/8	1	6
2033	Handle Bar Panel	1	10276	Sprocket	1	31X13	Thumb Screw	1	1
2038	Clutch Handle	1	10277	Friction Disc Hub	1	29-10000	Tire and Wheel Assembly (Req'd. per wheel)	2	2
2044	Clutch Lock Spring	1	10285	Connecting Link	1	33X49	Tire	1	1
2045	Clutch Lock Pin	1	10288	Hub Cap	2	33X50	Tube	1	1
2402	Idler	1	10289	Rod Hanger	1	33X52	Wheel	1	1
3003	Friction Wheel	1	10293	Shift Release Handle	1	34X104	Belt	1	1
3031	Bearing Flange	2	10300	Outer Belt Guard	1	35X1	Tapping Screw #10	5	5
3085	Bearing Flange	2	10365	Carburetor Cover (Not Illustrated)	1	36X5	Grip 3/4 x 3-1/2	1	1
3086	Ball Joint	1	12023	Bearing Support	2	36X6	Grip 1 x 4-1/2 or 5	2	2
5006	Key 3/16 Sq. x 1	1	1X63	Bearing	2		<b>DECALS (NOT ILLUSTRATED)</b>		
6071	Spacer	2	1X74	Thrust Bearing	1	40X9	Serial No. Label	1	1
R-1271	Spacer Bushing	1	1X79	Ball Bearing	2	40X10	Helicon Patent Label	1	1
10147	Bottom Cover	1	2X26	Bushing	2	40X11	Clutch Label	1	1
10156	R. H. Lower Handle Bar (Plated)	1	5X37	Retaining Ring	1	40X13	Carburetor Cover Label	1	1
10157	L. H. Lower Handle Bar (Plated)	1	5X43	Snap Ring	1	40X16	Sno-Shift Label	1	1
10159	Inner Belt Guard	1	8X8	Clevis Pin	1		10M5 (5 HP)		
10160	R. H. Belt Finger	1	12X22	Capscrew 5/16-18 x 3/4 H.H.	3	10156	R. H. Lower Handle Bar (Painted)	1	1
10161	L. H. Belt Finger	1	12X50	Capscrew 1/4-20 x 1-1/2 H.H.	5	10157	L. H. Lower Handle Bar (Painted)	1	1
10194	Clutch Lever	1	12X53	Capscrew 5/16-24 x 3/4 H.H.	2	10241	Upper Handle Bar (Painted)	1	1
10196	Handle Bar Washer	2	12X56	Capscrew 1/4-20 x 1-1/4 H.H.	2	40X34	Engine Decal (Not Illustrated)	1	1
10200	Tractor Frame	1	12X69	Capscrew 5/16-18 x 1-1/4 H.H.	1		10M6T (STANDARD)		
10202	Idler Arm	1	12X72	Capscrew 1/4-20 x 1-1/4	1	10279	Axle Shaft	1	1
10204	Spindle	1	12X73	Capscrew 5/16-18 x 1-3/4	1	10283	Wheel Hub	2	2
10205	Drive Plate	1	12X74	Capscrew 5/16-18 x 2-3/4	1	10211	Spur Gear	1	1
10206	Jaw Coupling	1	14X12	Set Screw 5/16-18 x 3/8 Nylock	2	2X34	Bushing	2	2
10207	Pinion & Sprocket	1	20X2	Lockwasher 1/4 Std.	2	9X16	Roll Pin 3/16 x 1	2	2
10208	Pinion Stub Shaft	1	20X3	Lockwasher 5/16 Std.	10	21X33	Washer	1	1
10209	Support Bracket	1	20X4	Lockwasher 3/8 Std.	4	21X42	Washer	2	2
10212	Bracket Pin	1	21X2	Washer	15	24X11	Feather Key	2	2
10213	Sliding Fork	1	21X7	Washer	1	24X12	Key #91 Woodruff	1	1
10214	Fork Shaft	1	21X37	Washer 1-1/4 OD x 9/32 ID x 1/16	1	25X14	Cotter Pin 1/8 x 1-1/4	2	2
10215	Lever Bracket	1	21X38	Shim Washer	1	40X35	Engine Decal (Not Illustrated)	1	1
10217	Transfer Lever	1	21X43	Washer 3/8 SAE Plated	1 or 2		10M6DT (DELUXE)		
10220	Clutch Bracket	1	23X15	Nut 5/16-18	1	1-12000	Differential Assembly	1	1
10222	Disc Bracket	1	23X18	Nut 3/8-16	7	10295	Axle Shaft	1	1
10226	Neutral Catch	1	23X31	Nut 5/16-24 SAE Hex Full	4	10366	Push Nut	1	1
10227	Throwout Lever	1	23X40	Nut 1/4-20	2	12008	Axle Shaft	1	1
10238	Lower Shift Rod	1	23X41	Locknut 3/16-10-24	8	2X29	Bushing	2	2
10230	Clutch Rod	1	23X42	Locknut 5/16-18	2	2X30	Bushing	2	2
10231	Shift Quadrant	1	23X43	Locknut 5/16-24	2	9X3	Roll Pin 3/16 x 1-1/4	1	1
10232	Shift Handle	1	23X54	Locknut 1/2-20	2	10X10	Zerk Fitting	1	1
10233	Spring	1	23X56	Nut 1/4-20	6	21X36	Washer	1	1
10235	Shift Rod	1	24X15	Key #5 Woodruff	1	21X42	Washer	1	1
10237	Chain	1	25X1	Cotter Pin 3/32 x 3/4	1	21X45	Washer	1	1
10238	Engine Sheave	1	25X4	Cotter Pin 1/8 x 1	3	25X4	Cotter Pin 1/8 x 1	2	2
10239	Engine Sheave	1	25X10	Hair Cotter Pin 5/16	2	40X35	Engine Decal (Not Illustrated)	1	1
10240	Idler Arm Hub Spacer	1	25X14	Cotter Pin 1/8 x 1-1/4	1				
10241	Upper Handle Bar (Plated)	1	28X12	Cable Clamp	1				
10247	Ball Joint	1	28X32	Throttle Control	1				
10248	Shift Ball	1	31X5	Wheel Bolt 1/2-20	1				
10250	Cover	1	31X9	Flange Whizlock Screw 5/16-18 x 1/2	6				
10267	Bearing Housing	1	31X10	Flange Whizlock Screw 3/8-16 x 1/2	14				

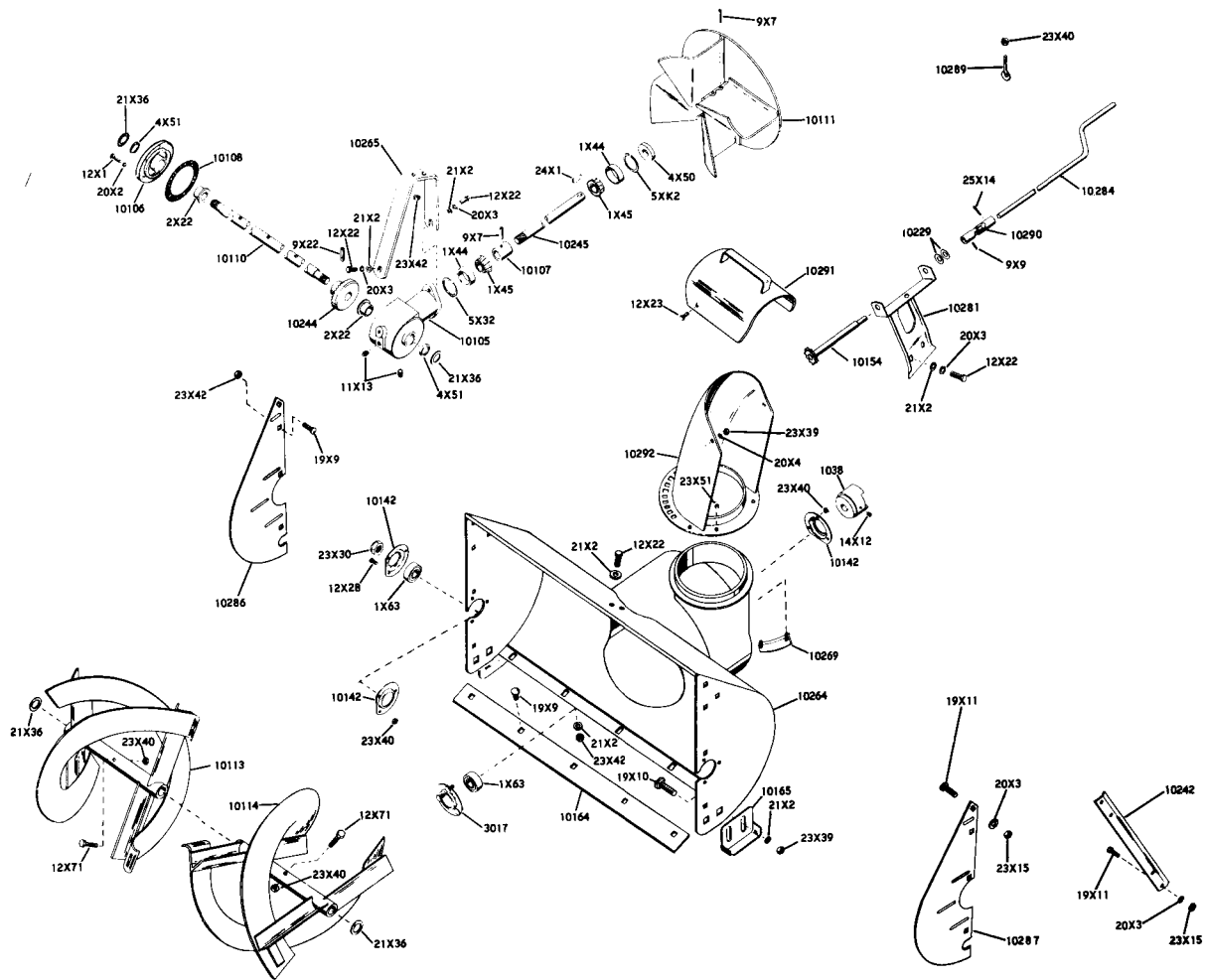


Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1008	Clutch Fork	1	10193	Wing Nut 1/8 x 1	1	9X16	Roll Pin 3/16 x 1	2	23X56	Nut 1/4-20	6
3017	Bearing Flange	1	10195	Shear Bolt	2	9X17	Roll Pin 5/16 x 1-1/4	1	23X57	Conical Washer Keps	1
3034	Roller	1	10197	Grip	1	9X22	Roll Pin 5/16 x 1-3/8	1	25X4	Cotter Pin 1/8 x 1	1
10107	Bearing Spacer	1	10198	Cap	1	9X30	Roll Pin 3/16 x 1-1/2	2	25X14	Cotter Pin 1/8 x 1-1/4	1
10108	Gasket	1	10199	Fastener	1	10X10	Pipe Fitting	4	31X10	Flange Whizlock Screw 3/8-16 x 1/2	2
10142	Bearing Flange	1	10260	Wave Washer	1	11X13	Zip Plug 3/8 Sq. Hd.	2	31X11	Ribbed Neck Bolt 1/4-20 x 5/8	6
10154	Control Sprocket	1	10269	Chute Clamp	3	12X22	Capscrew 5/16-18 x 3/4	2	31X12	Flange Whizlock Screw 1/4-20 x 3/4	5
10164	Scraper Blade	1	10281	Chute Control Support	1	12X23	Capscrew 3/8-16 x 3/4	2	36X4	Grip 1/2 ID	1
10165	Runner	2	10284	Chute Control Crank	1	12X24	Capscrew 1/2-13 x 1	2			
10176	Sliding Jaw	1	10290	Universal Joint	1	14X14	Set Screw 1/4-20 x 1/4	1			
10177	Helicon Pinion	1	10296	J-Bolt	1	19X9	Carriage Bolt 5/16-18 x 1/2	5			
10178	Fan	1	10297	R. H. Rake	1	19X10	Carriage Bolt 3/8-16 x 3/4	5			
10179	Blower Housing	1	10298	L. H. Rake	1	20X3	Lockwasher 5/16	2	40X9	Serial Number Label	1
10180	Gear Case	1	10299	Front Gear Shaft	1	20X4	Lockwasher 3/8	2	40X12	Sno-Thru Label	1
10181	Flange	1	1X44	Bearing Cup	2	20X6	Lockwasher 1/2	2	40X14	Caution Label	1
10183	Helicon Gear	1	1X45	Bearing Cone	2	21X2	Washer 5/16	7	40X30	Attachment Label	1
10184	Bearing Support	2	1X63	Bail Bearing	1	21X2	Washer 1.505 OD x 1.005 ID x 1/16	4	40X31	In-Out Label	1
10185	Adjustment Plug	1	2X35	Bushing	4	21X46	Washer 1.441 OD x .511 ID x 1/8	2			
10186	Fork Shaft	1	4X55	Seal	2	21X48	Washer 1.375 OD x .755 ID x 1/16	1			
10187	Fork Cam	1	4X57	Seal	1	23X39	Locknut 3/8-16	6			
10188	Spring	1	5X32	Snap Ring	1	23X40	Locknut 1/4-20	3	10242	Slicer Bar	1
10191	Deflector	1	9X7	Roll Pin 1/4 x 1-1/4	1	23X42	Locknut 5/16-18	7	19X9	Carriage Bolt 5/16-18 x 1/2	2
10192	Blower Chute	1	9X9	Roll Pin 1/8 x 1	1	23X42	Locknut 5/16-18	3	23X42	Locknut 5/16-18	2
						23X51	Nut #10-24	6			

NOT ILLUSTRATED

3-10M SLICER BAR KIT





Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1038	Jaw Clutch	1	4X50	Seal	1
3017	Bearing Flange	1	4X51	Seal	2
10105	Gear Case	1	5X32	Snap Ring	1
10106	Gear Case Flange	1	5XK2	Snap Ring	1
10107	Bearing Spacer	1	9X7	Roll Pin 1/4 x 1-1/4	3
10108	Gasket	1	9X9	Roll Pin 1/8 x 1	1
10110	Front Gear Shaft	1	9X22	Roll Pin 5/16 x 1-3/8	1
10111	Fan	1	11X13	Pipe Plug 3/8 Sq. Hd.	2
10113	R. H. Rake	1	12X1	Cap Screw H. H. 1/4-20 x 3/4	5
10114	L. H. Rake	1	12X22	Cap Screw H. H. 5/16-18 x 3/4	4
10142	Bearing Flange	5	12X23	Cap Screw H. H. 3/8-16 x 3/4	2
10154	Control Sprocket	1	12X28	Cap Screw H. H. 1/4-20 x 1/2	6
10164	Scraper Blade	1	12X71	Shear Bolt	2
10165	Runner	2	14X12	Socket Set Screw 5/16-18 x 3/8	2
10229	Wave Washer	1 or 2	19X9	Carriage Bolt 5/16-18 x 1/2	11
10242	Slicer Bar	1	19X10	Carriage Bolt 3/8-16 x 3/4	4
10244	Helicon Gear	1	19X11	Carriage Bolt 5/16-18 x 3/4	3
10245	Helicon Pinion Shaft	1	20X2	Lockwasher 1/4	5
10264	Blower Housing	1	20X3	Lockwasher 5/16	7
10265	Front Gear Case Support	1	20X4	Lockwasher 3/8	4
10269	Chute Clamp	3	21X2	Wrought Washer 5/16	15
10281	Chute Control Support	1	21X36	Washer .880 ID x 1.375 x 1/16	4
10284	Chute Control Crank	1	23X15	Hex Nut 5/16-18	3
10286	R. H. Rotor Shield	1	23X30	Hex Locknut 3/4-16	2
10287	L. H. Rotor Shield	1	23X39	Hex Locknut 3/8-16	6
10289	Rod Hanger	1	23X40	Hex Nut 1/4-20	12
10290	Universal Joint	1	23X42	Hex Locknut 5/16-18	13
10291	Deflector Chute	1	23X51	Keps Nut #10-24	6
10292	Discharge Chute	1	24X1	Woodruff Key #11	1
1X44	Bearing Cup	2	25X14	Cotter Pin 1/8 x 1-1/4	1
1X45	Bearing Cone	2	LABELS NOT ILLUSTRATED		
1X63	Ball Bearing	3	40X12	Sno-Thro Label	1
2X22	Flange Bushing	2	40X14	Caution Label	1

## OPERATING INSTRUCTIONS

### 1. ATTACHING

#### a. Sno-Thro Attachment.

(1) Hook the notches in the lower portion of the Sno-Thro Attachment frame over the rod passing through the forward section of the tractor frame.

(2) Tip the two sections together, being sure the jaw clutch on the Sno-Thro Attachment and tractor are lined up.

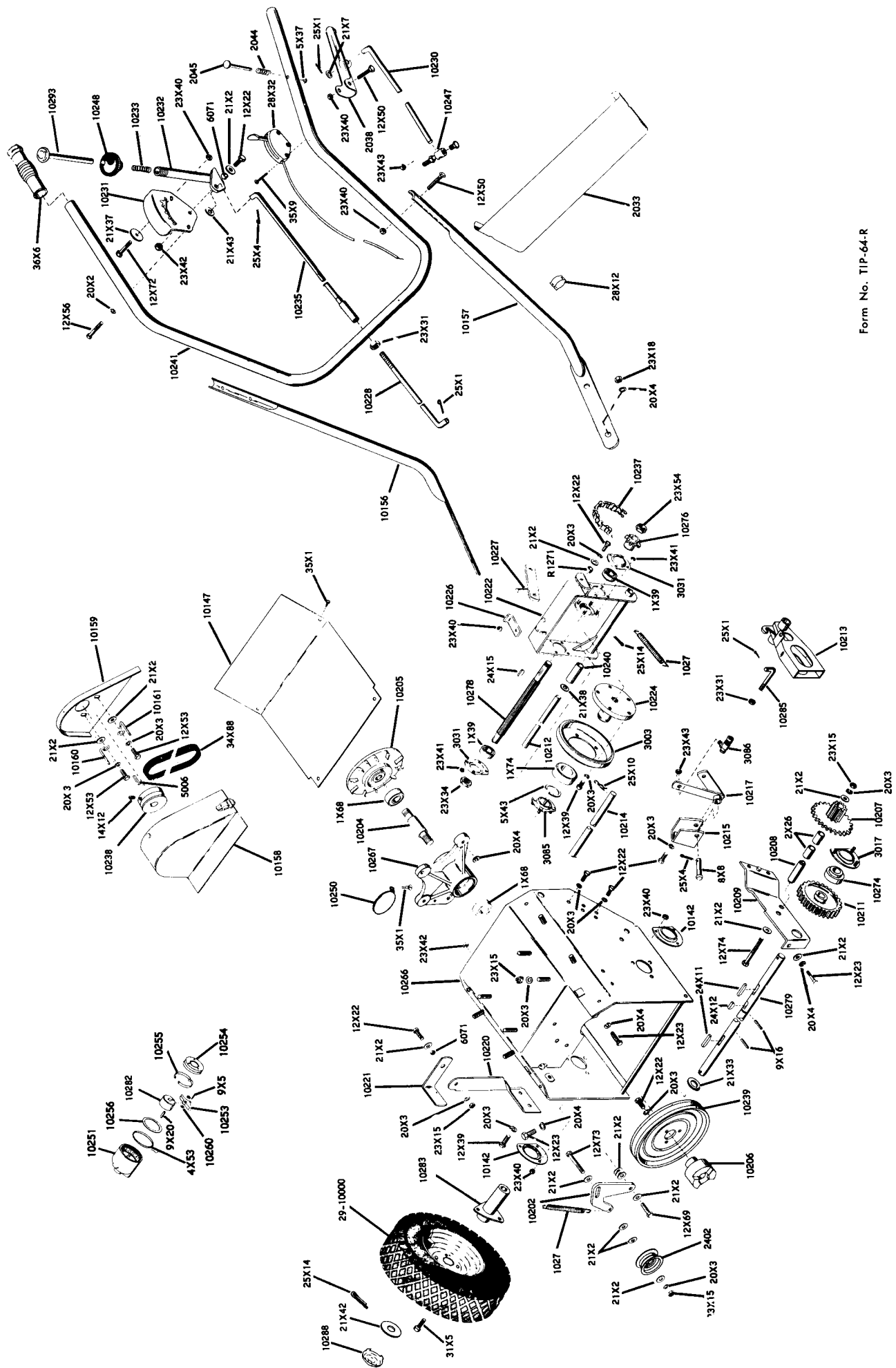
(3) Insert and tighten the two 3/8-inch cap-screws through the top of the tractor frame and into the Sno-Thro Attachment.

#### b. Chute Control Rod.

(1) Insert the rod hanger through the hole in the upper handle bar and secure with the 1/4-inch locknut.

(2) Fasten the chute control support to the tractor with the hardware provided. Position the support so that the gear meshes properly with the holes in the chute. Fasten securely.

(3) Slide the chute control rod through the rod hanger and into the end of the universal joint. Secure the rod to the universal joint with a cotter pin.

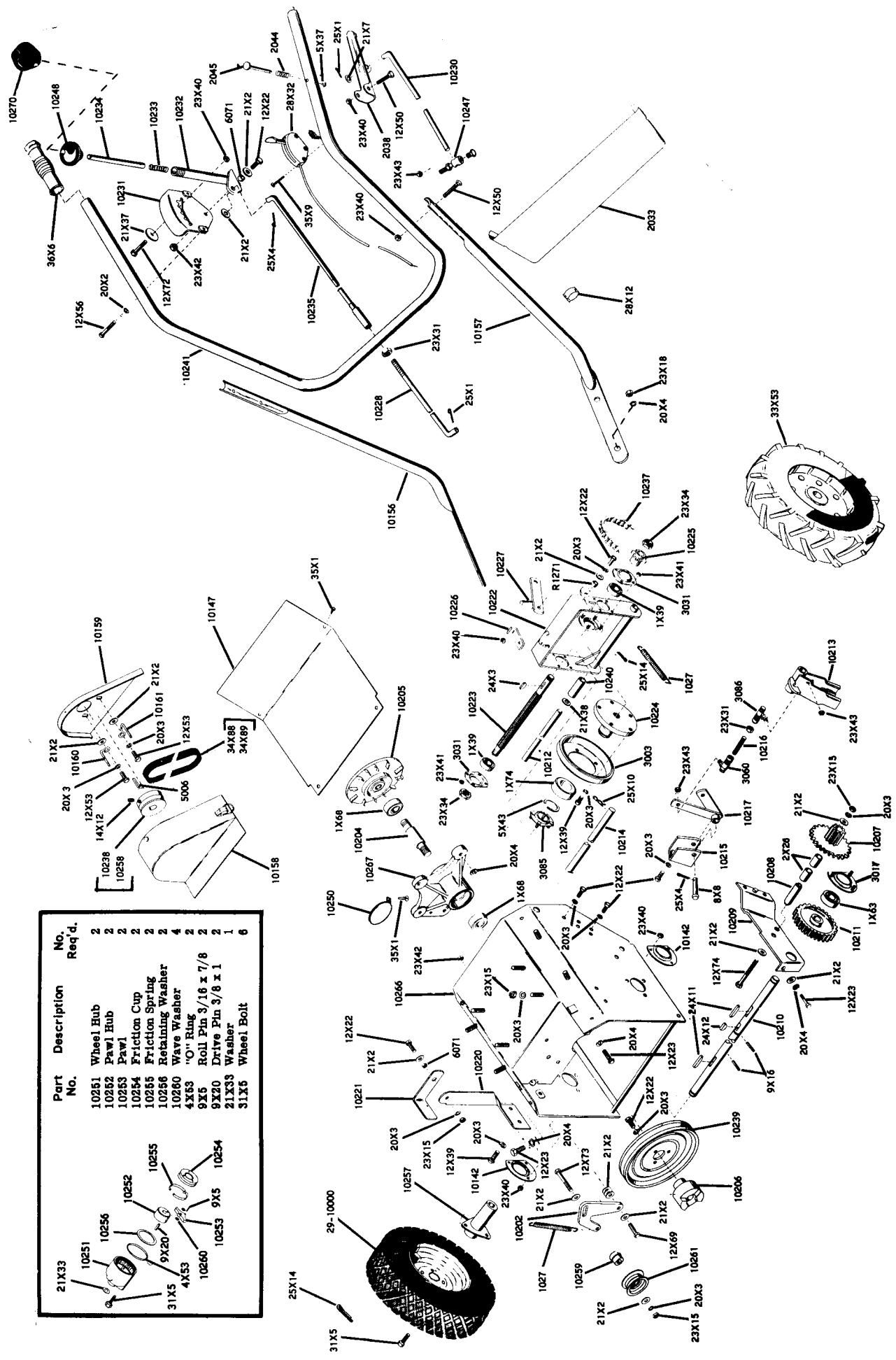


Form No. TIP-64-R

PARTS LIST FOR 6 H. P. TRACTOR

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1027	Spring	2	10238	Engine Sheave	1	23X15	Hex Nut 5/16-18	7
R1271	Spacer Bushing	1	10239	Sheave	1	23X18	Hex Nut 3/8-16	4
2033	Handle Bar Panel	1	10240	Idle Arm Hub Spacer	1	23X31	Hex Nut 5/16-24	1
2038	Clutch Handle	1	10241	Upper Handle Bar *	1	23X34	Hex Lock Nut 5/8-18	1
2044	Spring	1	10247	Ball Joint	1	23X40	Hex Nut 1/4-20	13
2045	Lock Pin	1	10248	Shift Ball	1	23X41	Hex Locknut 3/16-24	8
2402	Idler *	1	10250	Cover	1	23X42	Hex Locknut 5/16-18	2
3003	Friction Disc	1	10266	Tractor Frame	1	23X43	Hex Locknut 5/16-24	1
3017	Bearing Flange	2	10267	Bearing Housing	1	23X54	Hex Locknut 1/2-20	1
3031	Bearing Flange	2	10272	Carburetor Cover	1	24X11	Feather Key	2
3085	Bearing Flange	2	10274	Bronze Bearing	2	24X12	Woodruff Key #9	1
3086	Ball Joint - Solid	1	10276	Sprocket	1	24X15	Woodruff Key #5	1
5006	Key	1	10278	Splined Shaft	1	25X1	Cotter Pin 3/32 x 3/4	1
6071	Spacer	2	10279	Axle Shaft	1	25X4	Cotter Pin 1/8 x 1	1
10142	Bearing Flange (10M-L60 only)	2	10283	Wheel Hub (10M-L60 only)	2	25X10	Hair Pin Cotter	2
10147	Bottom Cover	1	10285	Connecting Link	1	25X14	Cotter Pin 1/8 x 1-1/4	3
10156	R. H. Lower Handle Bar *	1	10288	Hub Cap	1	28X12	Cable Clip	2
10157	L. H. Lower Handle Bar *	1	10293	Shift Release Handle	1	28X32	Throttle Control	3
10158	Outer Belt Guard	1	1X39	Ball Bearing	2	31X5	Wheel Bolt	1
10159	Inner Belt Guard	1	1X68	Ball Bearing	2	33X49	Tire	6
10160	R. H. Belt Finger	1	1X74	Ball Bearing	2	33X50	Tube -29-10000	2
10161	L. H. Belt Finger	1	2X26	Thrust Bearing	2	33X52	Wheel	2
10202	Idler Arm	1	5X37	Bushing	1	34X88	Belt	2
10204	Spindle	1	5X43	Snap Ring	1	35X1	Tapping Screw #10 x 1/2	1
10205	Drive Plate	1	8X8	Snap Ring	1	35X9	Tapping Screw #10 x 1	2
10206	Jaw Coupling	1	9X16	Clevis Pin	2	36X6	Plastic Grip	2
10207	Pinion & Sprocket	1	12X22	Roll Pin 3/16 x 1	10	40X10	LABELS NOT ILLUSTRATED	1
10208	Pinion Stub Shaft	1	12X23	Cap Screw H. H. 5/16-18 x 3/4	7	40X11	Helicon Patent Label	1
10209	Support Bracket	1	12X29	Cap Screw H. H. 3/8-16 x 3/4	4	40X13	Clutch Label	1
10211	Spur Gear	1	12X30	Cap Screw H. H. 5/16-18 x 1/2	7	40X15	Carb. Cover Label	1
10212	Bracket Pin	1	12X50	Cap Screw H. H. 1/4-20 x 1-1/2	5	40X16	Patents Pending Label	1
10213	Sliding Fork	1	12X53	Cap Screw H. H. 5/16-24 x 3/4	2		Sno-Shift Label	1
10214	Fork Shaft	1	12X56	Cap Screw H. H. 1/4-20 x 1-1/4	2		FOLLOWING PARTS	1
10215	Lever Bracket	1	12X69	Cap Screw H. H. 5/16-18 x 1-1/4	1		10M-L60D & DT	
10217	Transfer Lever	1	12X72	Cap Screw H. H. 1/4-20 x 1-1/4	1		ONLY	
10220	Clutch Bracket	1	12X73	Cap Screw H. H. 5/16-18 x 1-3/4	1		Wheel Hub	2
10221	Clutch Lever	1	12X74	Cap Screw H. H. 5/16-18 x 2-3/4	1	10251	Pawl	2
10222	Disc Bracket	1	14X12	Socket Head Set Screw	2	10253	Friction Cup Bearing Cap	2
10224	Neutral Catch	1	20X2	Lockwasher 1/4	2	10254	Friction Spring	2
10226	Throwout Lever	1	20X3	Lockwasher 5/16	24	10255	Retaining Washer	2
10227	Lower Shift Rod	1	20X4	Lockwasher 3/8	10	10256	Wave Washer	2
10228	Clutch Rod	1	21X2	Wrought Washer 5/16	16	10260	Pawl Hub	4
10230	Shift Quadrant	1	21X7	Wrought Washer 1/4	1	10282	"O" Ring	2
10231	Shift Handle	1	21X33	Washer .755 ID x 1.375 x .125	1	4X53	Roll Pin	2
10233	Spring	1	21X37	Wrought: Washer 9/32	1	9X5	Drive Pin	2
10235	Shift Rod	1	21X38	Shim Washer	1 or 2	9X20		
10237	Chain	1	21X42	Hub-Cap Washer	2			
			21X43	Washer 13/32 SAE Plated	1			

\* Specify plated or painted

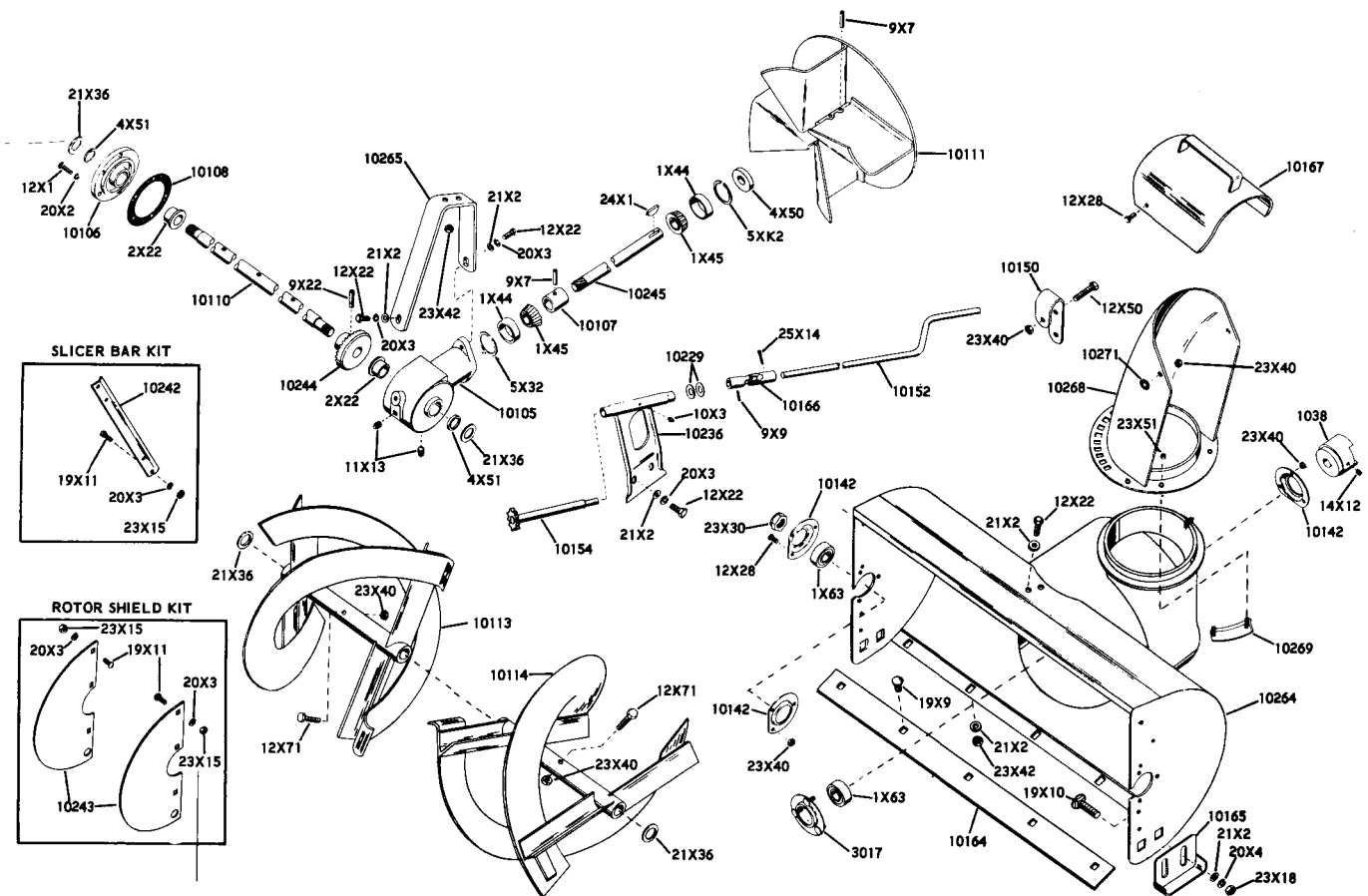


Part No.	Description	No. Req'd.
10251	Wheel Hub	2
10252	Pawl Hub	2
10253	Pawl	2
10254	Friction Cup	2
10255	Friction Spring	2
10256	Retaining Washer	2
10260	Wave Washer	4
4X88	"O" Ring	2
9X5	Roll Pin 3/16 x 7/8	2
9X20	Drive Pin 3/8 x 1	2
21X33	Washer	1
31X5	Wheel Bolt	6

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.
1027	Spring	2	10225	Sprocket	1	12X56	Cap Screw H. H. 1/4-20x1-1/4	2
R1271	Spacer Bushing	1	10226	Neutral Catch	1	12X69	Cap Screw 5/16-18x1-1/4	1
2033	Handle Bar Panel	1	10227	Throwout Lever	1	12X72	Cap Screw H. H. 1/4-20x1-1/4	1
2038	Clutch Handle	1	10228	Lower Shift Rod	1	12X73	Cap Screw 5/16-18x1-3/4	1
2044	Spring	1	10230	Clutch Rod	1	12X74	Cap Screw H. H. 5/16-18x2-3/4	1
2045	Lock Pin	1	10231	Shift Quadrant	1	14X12	Socket Head Set Screw	2
3003	Friction Disc	1	10232	Shift Handle	1	20X2	Lockwasher 1/4	2
3017	Bearing Flange	2	10233	Spring	1	20X3	Lockwasher 5/16	24
3031	Bearing Flange	2	10234	Release Rod	1	20X4	Lockwasher 3/8	10
3060	Ball Joint - Quick Disconnect	1	10235	Shift Rod	1	21X2	Wrought Washer 5/16	15
3085	Bearing Flange	2	10237	Chain	1	21X7	Wrought Washer 1/4	1
3086	Ball Joint - Solid	1	10238	Engine Sheave (10M-L60)	1	21X37	Wrought Washer 9/32	1
5006	Key	1	10239	Sheave	1	21X38	Shim Washer	1 or 2
6071	Spacer	2	10240	Spacer 3/4	1	23X15	Hex Nut 5/16-18	7
10142	Bearing Flange	2	10241	Upper Handle Bar*	1	23X18	Hex Nut 3/8-16	4
10147	Bottom Cover	1	10247	Ball Joint	1	23X31	Hex Nut 5/16-24	4
10156	R. H. Lower Handle Bar*	1	10248	Shift Ball	1	23X34	Hex Lock Nut 5/8-18	2
10157	L. H. Lower Handle Bar*	1	10250	Starter Hole Cover (10M-L60)	1	23X40	Hex Nut 1/4-20	2
10158	Outer Belt Guard	1	10257	Hub (10M-L60)	2	23X41	Hex Lock Nut 3/16-24	8
10159	Inner Belt Guard	1	10258	Pulley (10M-L35)	1	23X42	Hex Lock Nut 5/16-18	2
10160	R. H. Belt Finger	1	10259	Bearing Spacer	1	23X43	Hex Lock Nut 5/16-24	3
10161	L. H. Belt Finger	1	10261	Idler	1	24X3	Woodruff Key	1
10202	Idler Arm	1	10266	Tractor Frame	1	24X11	Feather Key	2
10204	Spindle	1	10267	Bearing Housing	1	24X12	Woodruff Key	1
10205	Drive Plate	1	10270	Boot, Shift Knob	1	25X1	Cotter Pin 3/32x3/4	2
10206	Jaw Coupling	1	10272	Carburetor Heater Box, 6 HP Lauson	1	25X4	Cotter Pin 1/8x1	2
10207	Pinion & Sprocket	1	10273	Carburetor Heater Box, 3-1/2 HP Lauson	1	25X10	Hair Pin Cotter	2
10208	Pinion Stub Shaft	1	1X39	Ball Bearing	2	25X14	Cotter Pin 1/8x1-1/4	3
10209	Support Bracket	1	1X63	Ball Bearing	2	28X12	Cable Clip	1
10210	Axle Shaft	1	1X68	Ball Bearing	2	28X32	Throttle Control (10M-L60)	1
10211	Spur Gear	1	1X74	Thrust Bearing	1	31X5	Wheel Bolt (10M-L60)	6
10212	Bracket Pin	1	2X26	Bushing	2	33X49	Tire (10M-L60)	2
10213	Sliding Fork	1	5X37	Snap Ring	1	33X50	Tube (10M-L60)	2
10214	Fork Shaft	1	5X43	Snap Ring	1	33X52	Wheel (10M-L60)	2
10215	Lever Bracket	1	8X8	Clevis Pin	1	33X53	Tire & Assembly (10M-L35)	2
10216	Connecting Link	1	9X16	Roll Pin 3/16x1	2	34X88	Belt (10M-L60)	1
10217	Transfer Lever	1	12X22	Cap Screw H. H. 5/16-18x3/4	10	34X89	Belt (10M-L35)	1
10220	Clutch Bracket	1	12X23	Cap Screw H. H. 3/8-16x3/4	6	35X1	Tapping Screw #10x1/2	3
10221	Clutch Lever	1	12X39	Cap Screw H. H. 5/16-18x1/2	7	35X9	Tapping Screw #10x1 (10M-L60)	2
10222	Disc Bracket	1	12X50	Cap Screw H. H. 1/4-20x1-1/2	5	36X6	Plastic Grip	2
10223	Spined Shaft	1	12X53	Cap Screw H. H. 5/16-24x3/4	2			
10224	Friction Disc Hub	1						

\* Specify plated or painted



### PARTS LIST SNO-SCOOP

### SLICER BAR 3-10M

PARTS LISTED ARE USED ON BOTH MODELS EXCEPT AS OTHERWISE INDICATED

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
1038	Jaw Clutch	1	4X50	Seal	1
3017	Bearing Flange	1	4X51	Seal	2
10105	Gear Case	1	5X32	Snap Ring	1
10106	Gear Case Flange	1	5XK2	Snap Ring	1
10107	Bearing Spacer	1	9X7	Roll Pin 1/4x1-1/4	3
10108	Gasket	1	9X9	Roll Pin 1/8x1	1
10110	Front Gear Shaft	1	9X22	Roll Pin 5/16x1-3/8	1
10111	Fan	1	10X3	Zerk Fitting	1
10113	R. H. Rake	1	11X13	Pipe Plug 3/8 Sq. Hd.	2
10114	L. H. Rake	1	12X1	Cap Screw H. H. 1/4-20x3/4	5
10142	Bearing Flange	5	12X22	Cap Screw H. H. 5/16-18x3/4	6
10150	Rod Hanger	1	12X28	Cap Screw H. H. 1/4-20x1/2	8
10152	Chute Control Crank	1	12X50	Cap Screw H. H. 1/4-20x1-1/2	1
10154	Control Sprocket	1	12X71	Shear Bolt	2
10164	Scraper Blade	1	14X12	Socket Set Screw 5/16-18x3/8	2
10165	Runner	2	19X9	Carriage Bolt 5/16-18x1/2	5
10166	Universal Joint	1	19X10	Carriage Bolt 3/8-16x3/4	4
10167	Deflector	1	20X2	Lockwasher 1/4	5
10229	Wave Washer	1 or 2	20X3	Lockwasher 5/16	4
10236	Chute Control Support	1	20X4	Lockwasher 3/8	4
10244	Helicon Gear	1	21X2	Washer 5/16	15
10245	Helicon Pinion Shaft	1	21X36	Washer 1-3/8x.880x1/16	4
10264	Blower Housing	1	23X18	Full Nut 3/8-16	4
10265	Front Gear Case Support	1	23X30	Hex Locknut 3/4-16	2
10268	Discharge Chute	1	23X40	Hex Locknut 1/4-20	14
10269	Chute Clamp	3	23X42	Hex Locknut 5/16-18	7
10271	Rubber Washer	2	23X51	Keps Nut	6
1X44	Bearing Cup	2	24X1	Woodruff Key	1
1X45	Bearing Cone	2	25X14	Cotter Pin 1/8x1-1/4	1
1X63	Ball Bearing	3			
2X22	Flange Bushing	2			

Part No.	Description	No. Req'd.
10242	Slicer Bar	1
19X11	Carriage Bolt 5/16-18x3/4	2
20X3	Lockwasher 5/16	2
23X15	Hex Nut 5/16-18	2

### SNO-ROTOR SHIELD KIT 4-10M

Part No.	Description	No. Req'd.
10243	Rotor Guard	2
19X11	Carriage Bolt 5/16-18x3/4	6
20X3	Lockwasher 5/16	6
23X15	Hex Nut 5/16-18	6

# SERVICE AND ADJUSTMENTS

## 1. ENGINE

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

### NOTE

Maximum engine RPM for all engines used on equipment in this manual is 3600 RPM.

## 2. ATTACHING

### a. Sno-Thro Attachment.

(1) Hook the notches in the lower portion of the Sno-Thro Attachment frame over the rod passing through the forward section of the tractor frame.

(2) Tip the two sections together, being sure the jaw clutch on the Sno-Thro Attachment is in the OUT position (counterclockwise).

(3) Insert and tighten the two 3/8-inch whiz-lock screws through the top of the tractor frame and into the Sno-Thro Attachment.

### b. Chute Control Rod.

(1) Fasten the chute control crank to the tractor handle bar with the hardware provided. Position the worm gear so that it meshes properly with the chute. Fasten securely.

## 3. OPERATION

a. To start the Sno-Thro Attachment, start the engine, placing the Sno-Thro clutch in the IN position (clockwise) and engage the engine clutch on the tractor.

b. To stop the Sno-Thro Attachment, disengage the engine clutch on the tractor and place the Sno-Thro clutch in the OUT position.

c. The tractor may be used to move the unit with the Sno-Thro Attachment stopped by engaging the tractor clutch and leaving the Sno-Thro clutch in the OUT position.

## 4. RUNNERS

a. An adjustable runner is provided on each side of the blower housing (Figure 2). Raising or lowering these runners controls the distance the scraper blade is held above the surface being cleared. Adjustment is accomplished by loosening the two nuts on each of the runners to the desired position and retightening the nuts. When blowing snow off concrete or other hard surfaces, these runners should be adjusted so that they are approximately 1/8-inch below the scraper blade. When blowing snow off gravel driveways or other gravel areas, adjust the runners so that they are 1-1/4-inches below the scraper blade.

b. In wet snow which packs easily, it may be

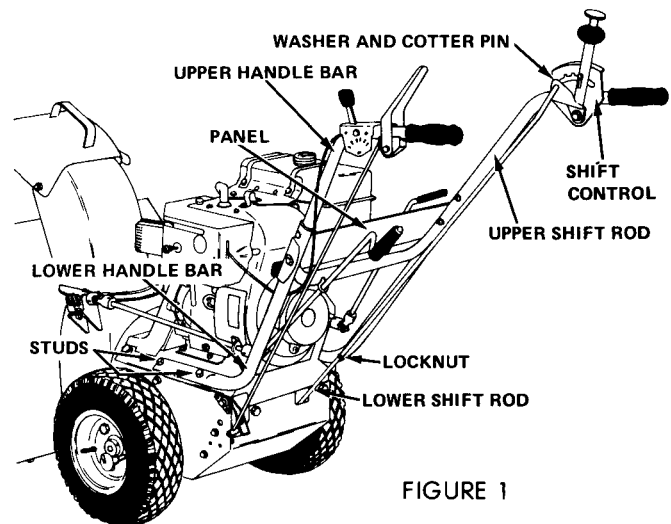


FIGURE 1

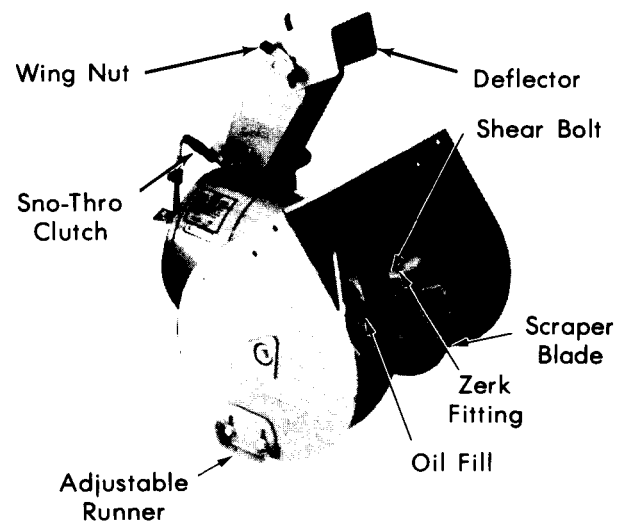
necessary to remove the runners or turn them upside down so the scraper blade will scrape clean.

## 5. SCRAPER BLADE

A scraper blade (Figure 2) is provided along the bottom edge of the blower housing. During operation, this blade runs along the surface being cleared, directing the snow into the rotor and insuring a clean surface. After considerable usage, this blade may wear and require replacement. The blade can be replaced by removing the carriage bolts holding it to the housing.

## 6. 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 blowing can be continued, this shear bolt must be replaced. See Figure 2. USE ONLY ARIENS SHEAR BOLTS. USE



OF OTHER TYPES OF BOLTS MAY RESULT IN SEVERE DAMAGE TO MACHINE. STOP THE ENGINE BEFORE ATTEMPTING TO REMOVE OBSTRUCTIONS OR REPLACE SHEAR BOLTS.

**NOTE: Each time a shear bolt is replaced, the rakes must be greased and turned on the shaft by hand several times to insure they do not bind.**

## 7. SNO-THRO OPERATING HINTS

a. 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.

b. After blowing snow, let the engine run for approximately 5 minutes to dry off the unit to prevent freezing of engine control parts.

c. Move throttle lever to park position after engine is stopped to lessen the possibility of damaging the control if freezing occurs.

d. When placing unit back in the garage, shift the unit to neutral and disengage the engine clutch and sno-thro clutch.

## 8. BELT REPLACEMENT

a. On models produced before December 1965 it is necessary to remove the belt guard by unsnapping the latches on each side and lifting off the guard. The belt guard on models produced after December 1965 can be removed by removing the cap screws lifting off the guard.

b. Turn Sno-chute so that slot in flange lines up with tooth on the control sprocket.

c. 1969-70 model 10,000 series remove clevis pin assembly and disconnect worm gear from teeth.

d. Remove two cap screws and separate blower housing and tractor unit by tipping back on the handle bars.

e. With Idler Handle in DOWN position and the Throttle Control in the OFF position, the belt can be removed from top pulley slowly on the starter rope as finger pressure against the belt rolls it out of the pulley groove.

f. New belt can be installed on pulleys easily but it may require readjustment of the idler. With clutch engaged the idler must be adjusted so that the clutch spring is approximately 4¾ inches.

## 9. BLOWER HOUSING DISASSEMBLY

a. After having separated the blower housing and tractor unit, drive out two roll pins to free the clutch fork. Use 3/16" Punch and Hammer.

b. The fork can be turned as the jaw coupling, spring and washer are pulled from the splined shaft.

c. The fork shaft can now be removed if any of its associated parts need replacement.

d. Remove two cap screws, washers and lock washers from each end of the front gear shaft. Use Ratchet with 3/4" socket.

e. Remove the three locknuts on each bearing support and pull the bearing supports from the shaft

on each side. If a bushing in the bearing support requires replacement, it can be driven out with an Ariens No. 97 bearing driver. Use Ratchet with 7/16" socket.

f. The complete rotor and gear case assembly can now be removed from the blower housing. The pinion shaft will pull out of the rear bearing on the fan end.

g. Drive out the roll pins on each end of front gear shaft with 3/16" punch. The models built before 1965 did not have the roll pins, but the front gear shaft is completely interchangeable although the 2 roll pin holes may not be used, rakes produced in 1965 are to be used without roll pins unless 1/8" is machined off outside ends.

h. Remove 2 shear bolts and nuts. Use 1/2" Open End Wrench and Ratchet with 1/2" socket.

i. Slide off rakes.

## 10. DISASSEMBLY & ASSEMBLY OF GEAR CASE

a. Remove pipe plug and drain oil. Use 7/16" Open End Wrench.

b. Remove cap screws holding flange and remove flange and gasket. Use 7/16" Ratchet Wrench.

c. Insert punch through oil filler hole to drive roll pin out of helicon gear just far enough to clear shaft. Use 5/16" Punch and Hammer.

d. Pull out front gear shaft.

e. After shaft is removed, it is possible to remove helicon gear by tipping to clear pinion shaft.

f. Unscrew adjustment plug. Use 2 screwdrivers.

g. Insert punch through the oil filler hole and drive pinion shaft assembly out of gear case. Use 3/8" Punch and Hammer.

h. Remove bearing cup and snap ring from inner portion of gear case only if necessary.

i. To Reassemble.

j. Pin Helicon gear on front gear shaft.

k. Insert front gear shaft assembly into gear case.

l. Put in helicon shaft assembly and drive in bearing cup. Use # 131 Bearing Driver.

m. Use No. 90 Bearing Adjustment Wrench. And in reassembling, first install new seal against shoulder in adjustment plug. On adjustment nuts used prior to this year, insert the seal so that top of the seal is flush with bottom of the spanner slot or about 1/32 of an inch below the bottom of the nut. We recommended replacing with the new style nut. Use #130 Seal Driver.

n. Seal the adjusting nut in position by putting a small bead of gasoila sealer in the GEAR CASE. The nut will drag the sealer around threads. Retighten adjustment nut until a slight drag is felt when turning the pinion shaft. DO NOT BACK OFF AS PREVIOUSLY ADVISED. Use No. 90 Bearing Adjustment Wrench.

## 11. FRICTION WHEEL REMOVAL (1972 & AFTER)

a. Remove (4) tap tites on bottom cover.

b. Remove cover.

c. Shift to second speed. Remove the cotter pin



and washer from shift connecting link. Remove link.

d. Remove (2) tap tites that secure the shift lever bracket to frame.

e. Remove bracket.

f. Remove connecting link from chain drive.

Remove chain.

g. Remove cotter pin from right side connecting link to disc bracket.

h. Remove cotter pin from left side connecting link to disc bracket.

i. Disconnect both links from disc bracket.

j. Remove cotter pin from fork shaft.

k. Slide fork shaft to left side of frame.

l. Be careful not to slide fork shaft beyond bracket assembly.

m. Using crescent wrench, hold hex shaft and remove (5) tap tites from friction wheel hub.

n. Holding hex shaft — remove hex nut from right side of hex shaft.

o. Remove (4) lock nuts from bearing flange left side opposite hex nuts.

p. Pull hex shaft left and remove friction wheel and friction wheel hub.

q. Complete drive assembly is now removed from tractor.

## 12. ADJUSTMENT LINK ASSEMBLY INSTALLATION — 510022 KIT

Due to problems of misadjusted friction wheels on 1973-74 Sno-Thros, we have available a 510022

spring loaded Adjustment Link Assembly. This adjustment link assembly will greatly increase the adjustment range for proper disc pressure.

This 510022 Adjustment Link Assembly fits the following Sno-Thro models.

MODEL NO.	SERIAL NO.
910018	002001 & up
910019	000101 & up
910020	000101 & up

Install as follows:

Tools Required:

1/2" Box Wrench  
1/2" Open End Wrench  
Regular Pliers  
Needle Nose Pliers  
Pry Bar

a. Tip Sno-Thro up on blower housing. Brace securely.

b. Remove bottom cover. Use 1/2" Box Wrench.

c. Shift to reverse.

d. Use both 1/2" wrenches and unscrew cap-screw from the rod adapter. Leave capscrew in clutch yoke (10541). Remove spring hook (10540) from rod adapter to relieve the spring tension. Figure 4.

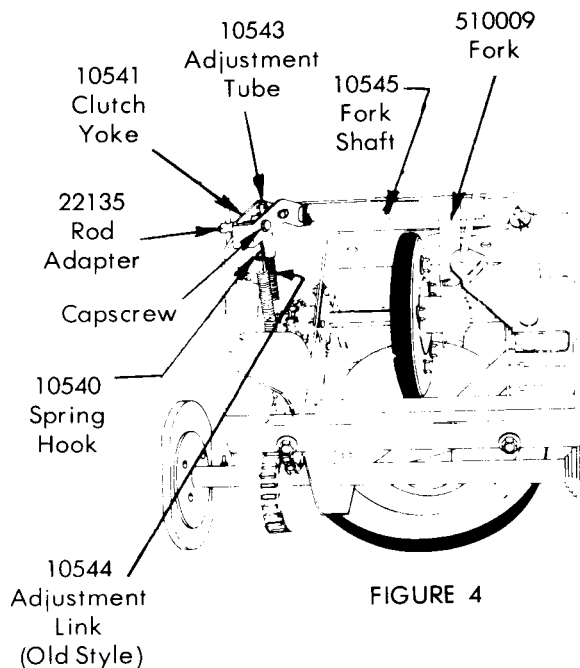


FIGURE 4

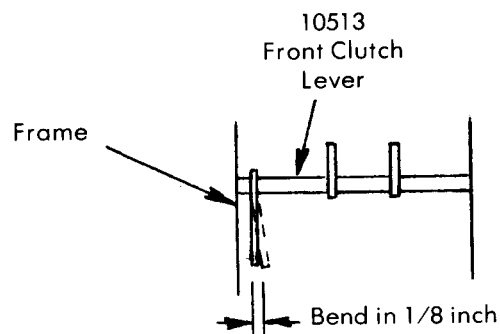


FIGURE 5

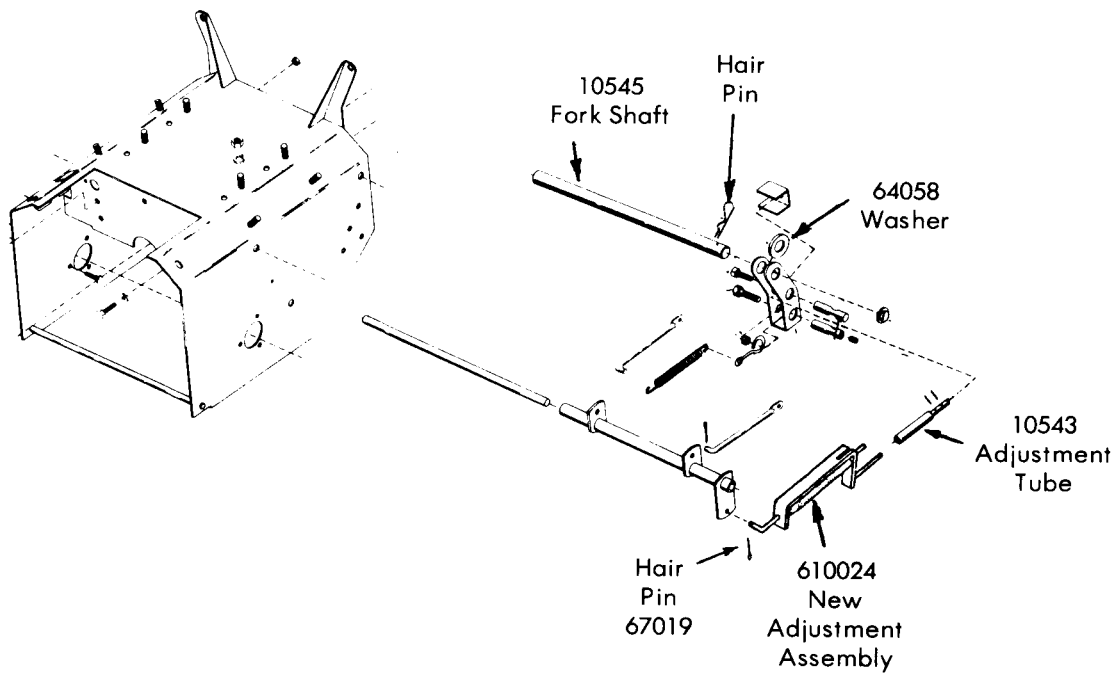


FIGURE 6

e. Pull out hair pin from fork shaft (10545). Note location of the washer (64058) and pull out fork shaft. Washer 64058 will fall free. Figure 6.

f. Unscrew adjustment tube 10543 from adjustment link 10544. The clutch yoke, adjustment tube and related parts are now free from the unit. Figure 4.

g. Use pry bar and bend the lever arm of the front clutch lever (10513) in approximately 1/8". See Figure 5.

h. Remove cotter pin from adjustment link 10544 and remove and discard adjustment link. Figure 4.

i. Install new adjustment link assembly 610024. See Figure 6 for proper position. Use needle nose

pliers and install hair pin 67019.

j. Screw on the adjustment tube with related parts onto the new adjustment link assembly.

k. Position washer (64058), fork (510009) and insert fork shaft (10545). Secure in position with hair pin previously removed. See Figure 6.

l. Reinstall rod adapter (22135) to capscrew with spring hook in position.

m. Install new drive disc adjustment decal on cover and install cover on Sno-Thro.

n. Tip Sno-Thro back on wheels.

o. Adjust friction drive as illustrated on page 43 (Model Year 73-74).

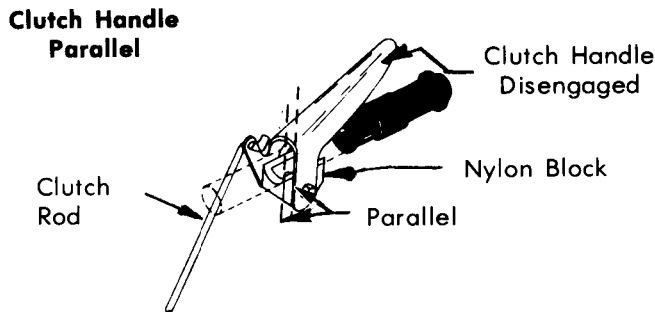
### 13. ARIENS SNO-THRO DRIVE ADJUSTMENTS

When making friction wheel adjustments, first check position of the clutch handle, as this affects the pressure being applied to the friction wheel. Adjust

clutch handle so it is positioned as shown in Figure 7 or 8.

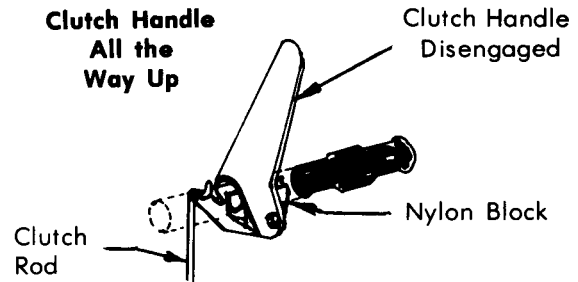
With clutch handle position correct, proceed with the adjustment of the friction wheel as follows:

## Ariens Sno-Thro Drive Adjustments



Model 924013 and  
all 922000, 910000 Models

FIGURE 7



Models 924016, 924018, 924020,  
924022, 924024, 924026, 924027

FIGURE 8

MODEL	YEAR	PROCEDURE	ILLUSTRATION
910006 6-24" STD. 910007 7-Tractor 910008 7-24" DIF. 910010 8-32" DIF. 910014 7-24" STD. 910016 8-24" STD. 910018 8-24" DIF. (Serial No. 000101-002000) 910021 8-24" DIF.	72-73 72-73 72-73 72-73 72-73 72-73 72-73 72-73	Tip machine forward. Remove cover and shift to 4th speed. With clutch handle in up position rotate drive disc and friction wheel until the closest point is found at (A). Adjust nuts (B) until you have a .020 gap at point (A) and tighten nuts (B).	
910018 8-24" DIF. (Serial No. 002001 & up) 910019 6-24" DIF. 910020 8-24" DIF.	73-74 73-75 73-74	Tip machine forward. Remove cover and shift to neutral. Return machine to wheels. Depress clutch handle and tie down. Loosen set screw (A). Turn adjusting rod (B) and rotate friction wheel until it contacts the drive disc. Release clutch handle and turn the adjustment rod (B) 2 turns in (clockwise) and tighten set screw (A).	

All models produced prior to 1972 the drive disc is spring loaded and no adjustment is required.

# LUBRICATION

## 1. ENGINE

See manufacturer's instruction book for engine lubrication instructions.

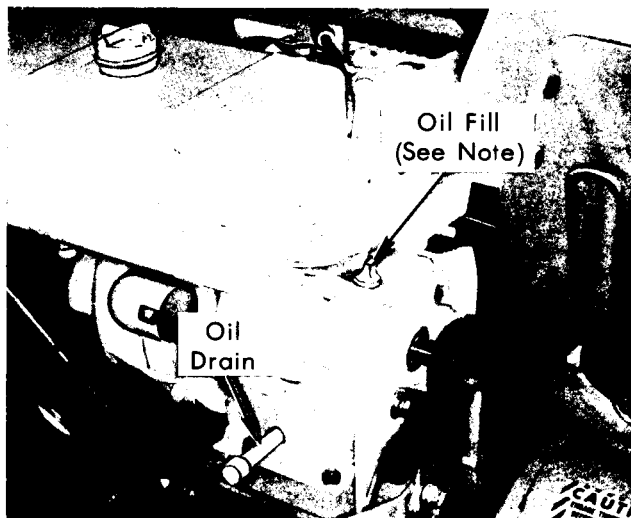


FIGURE 9

**NOTE:** Use Ariens Sno-Thro oil 5W-20 for operation below 40° F. Use MS classification SAE-30 oil for operation above 40° F. See Figure 9.

## 2. TRACTOR DRIVE

a. At the start of each season grease the gears, hex and fork shaft, jaw coupling and chains. Use Ariens Moly Lithium grease. See Figure 10.

b. The left hand wheel axle equipped with zerk fittings should be greased every 25 hours of operation. Use Ariens Moly Lithium grease.

c. Two or three drops of light oil should be placed on the shift lever release rod.

## 3. BLOWER LUBRICATION

a. Grease the rake shaft periodically and each

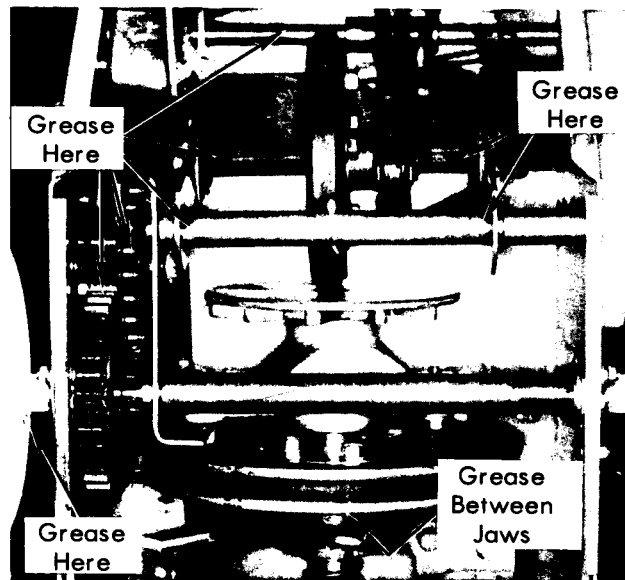


FIGURE 10

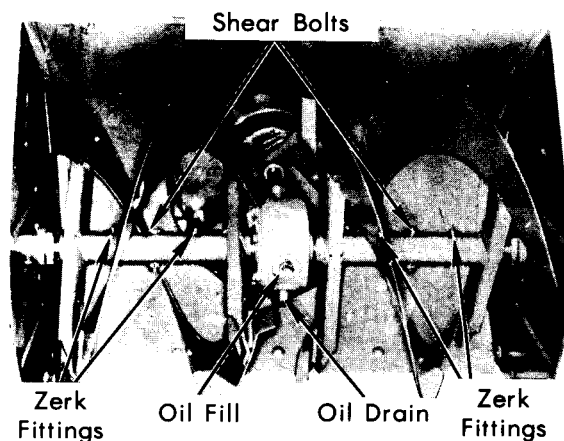


FIGURE 11

time a shear bolt is replaced. See Figure 11.

b. Drain and refill the snow rotor gear case every 25 hours of operation. To drain and refill, remove drain plug and allow oil to drain. Tip machine back on handle bars. Remove filler plug. Pour the Ariens premium gear lubricant MP-90 into filler hole until it starts to run out of drain hole (approximately 5 ounces). Replace drain and filler plug.

## TROUBLE SHOOTING

MODEL	TYPE OF FAILURE	CAUSE	SOLUTION
1) 1972 8 H.P. SNO-THRO	72061 Drive Belt Breaking.	72061 Glass cord belt not recommended for winter use.	Replace with 72072 drive belt.
2) ALL SNO- THROS	Gear Case failure.	Rakes frozen to shaft, due to lack of lubrication. Rake tube out of round.  Pinion shaft too soft, or too hard.	Free shafts, Repair gear case, Ream rake tube, grease and replace rakes. Replace pinion shaft.
3)	Jaw couplings breaking through.	Improper heat treating.	Replace.
4)	Noisy jaw couplings.	Out of alignment.	Re-align by adjusting tabs on attachment of file slots in lower brackets that hook on cross rod.
5)	Blower fan bending.	Hard snow, or ice, gravel, stones.	Straighten or replace with new style 10178 fan.
6) 910018 910019 910020	Friction wheel.	Misadjusted.	Install 510022 adjustment link. See page 41, paragraph 12.

## BELT CROSS REFERENCE

YEAR	HP	DRIVE	X NO.
1972	8 HP	72072	
1968-72	5, 6, 7 HP	72047	
1966-67	5, 6, 7 HP	72047	34 x 104
1965-67	4 HP	72089	34 x 89
1964-65	6 HP	72047	34 x 88
1962-63	6 HP	72047	34 x 88
	3½ HP	72089	34 x 89

# ENGINE LISTINGS

PRODUCT: 10,000 Series      Sno-Thru.

MODEL YEAR	MICRO FICHE CARD NO.	MODEL NUMBER	SERIAL NUMBER AND UP	ENGINE H.P. MAKE STARTER	ARIENS IBM NUMBER	ORIGINAL ENGINE NUMBER	REPLACEMENT ENGINE			REPLACEMENT SHORT BLOCK		
							ENGINE NUMBER	REMOVE PARTS	ADD PARTS	SHORT BLOCK NUMBER	REMOVE PARTS	ADD PARTS
1964-1965	7	10M-L40	000001	4 Tec. Recoil		H40-55046D	NONE			756215		
1964-1965	7	10M-L60	024001	6 Tec. Recoil		H60-75003D	907300A			756215		
1964-1965	7	10M-L60B	017001	6 Tec. Recoil		H60-75003D	907300A			756215		
1965-1966	7	10M4	004501	4 Tec. Recoil		H40-55046E	NONE			756215		
1965-1966	7	10M6	032501	6 Tec. Recoil		H60-75003E	907300A			756215		
1965-1966	7	10M6D	025501	6 Tec. Recoil		H60-75003E	907300A			756215		
1966-1967	7	10M4	009301	4 Tec. Recoil		H40-55046E	NONE			756215		
1966-1967	7	10M6	039401	6 Tec. Recoil		H60-75003E	907300A			756215		
1966-1967	7	10M5	000001	5 Tec. Recoil		H50-65077F	907300A			756215		
1966-1967	7	10M6D	033701	6 Tec. Recoil		H60-75003E	907300A			756215		
1967-1968	7	10M4	012001	4 Tec. Recoil		H40-55046G	NONE			756215		
1967-1968	7	10M5	006801	5 Tec. Recoil		H50-65077G	907300A			756215		
1967-1968	7	10M6	045968	6 Tec. Recoil		H60-75003G	907300A			756215		
1967-1968	7	10M6D	045201	6 Tec. Recoil		H60-75003G	907300A			756215		
1967-1968	7	10M7D	000001	7 Tec. Recoil		H70-130005	907300A			756180A		
1968-1969	7	10M65	000001	5 Tec. Recoil	82012	H50-65077G	907300A			756215		
1968-1969	7	10M70	000001	6 Tec. Recoil	82013	H60-75003G	907300A			756215		

# ENGINE LISTINGS

PRODUCT: 10,000 Series Sno-Thru

MODEL YEAR	MICRO FICHE CARD NO.	MODEL NUMBER	SERIAL NUMBER AND UP	ENGINE H.P. MAKE STARTER	ARIENS IBM NUMBER	ORIGINAL ENGINE NUMBER	REPLACEMENT ENGINE			REPLACEMENT SHORT BLOCK		
							ENGINE NUMBER	REMOVE PARTS	ADD PARTS	SHORT BLOCK NUMBER	REMOVE PARTS	ADD PARTS
1968-1969	7	10969	000001	6 Tec. Recoil	82013	H60-75003G	907300A			756215		
1968-1969	7	10962	000001	7 Tec. Recoil		H70-130005	907300A			756180A		
1968-1969	7	10954	000001	7 Tec. Recoil		H70-130005	907300A			756180A		
1969-1970	7	10965	007201	5 Tec. Recoil	82011	H50-56226H	907300A			756215		
1969-1970	7	10962	006001	7 Tec. Recoil	82014	H70-130067	907300A			756180A		
1969-1970	7	10954	003001	7 Tec. Recoil	82014	H70-130067	907300A			756180A		
1969-1970	7	10942	000001	7 Tec. Recoil	82014	H70-130067	907300A			756180A		
1970-1971	7	910965	000001	5 Tec. Recoil	82011	H50-65226H	907300A			756215		
1970-1971	7	910962	000001	7 Tec. Recoil	82014	H70-130067	907300A			756180A		
1970-1971	7	910954	000001	7 Tec. Recoil	82014	H70-130067	907300A			756180A		
1970-1971	7	910942	000001	7 Tec. Recoil	82014	H70-130067	907300A			756180A		
1971-1972	7	910962	021500	7 Tec. Recoil	82014	H70-130067	907300A			756180A		
1971-1972	7	910002	000001	6 Tec. Recoil	82058	H60-75343J	907300A			756215		
1971-1972	7	910954	004801	7 Tec. Recoil	82014	H70-130067	907300A			756180A		
1971-1972	7	910942	006625	7 Tec. Recoil	82014	H70-130067	907300A			756180A		
1972-1973	7	910006	000101	6 Tec. Recoil	82073	H60-75361J	907300A			756215		
1972-1973	7	910007	000101	7 Tec. Recoil	82014	H70-130067A	907300A			756180A		

