

**PARTS LIST AND INSTRUCTIONS**

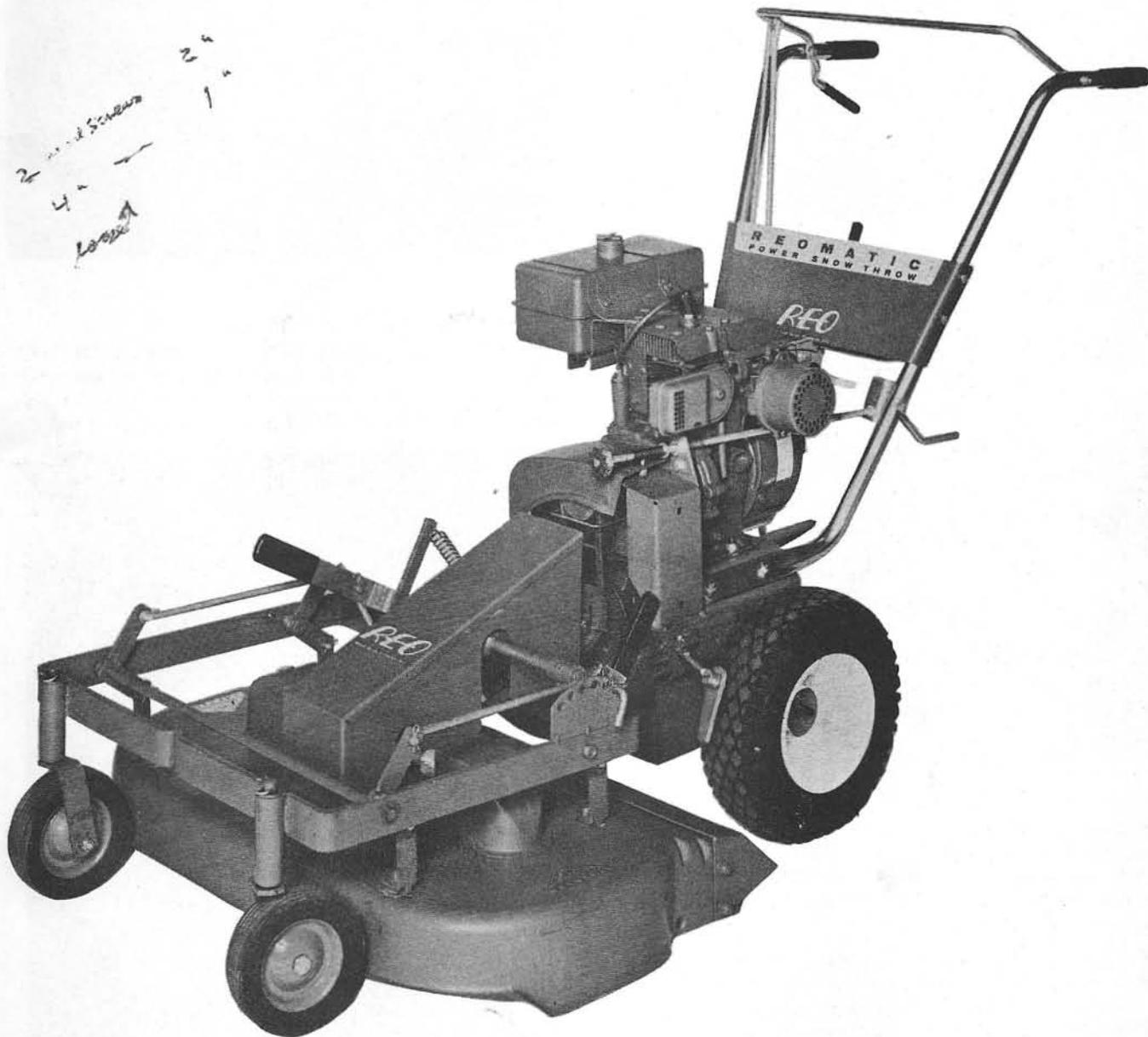
**REO**

WHEELHORSE PRODUCTS, INC. • SOUTH BEND, IND.

**32" ROTARY MOWER  
ATTACHMENT**

**MODEL 5-4321**

(FOR USE WITH THE ST-267, ST-268,  
4-2631 AND 4-2632 SNOW THROW)



**DESCRIPTION**

The 32" Rotary Mower Attachment, Model 5-4321, was developed for use with the Model ST-267, ST-268, and 4-2631 and 4-2632 Reomatic Power Snow Throw.

**ASSEMBLY AND INSTALLATION**

1. Remove the Snow Blower from the propelling unit. Remove all parts from carton and place on flat clean surface.

2. Remove the carburetor heat shield and install the air filter and cover for summer use. See Figure I and Exploded View Drawing.

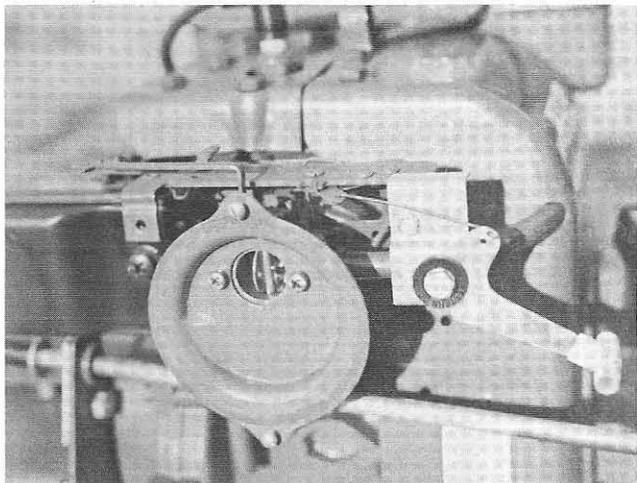


Figure I

3. Install the engine pulley, transmission pulley and belt as shown in Figure II. **Note:** Pulleys should be in alignment.

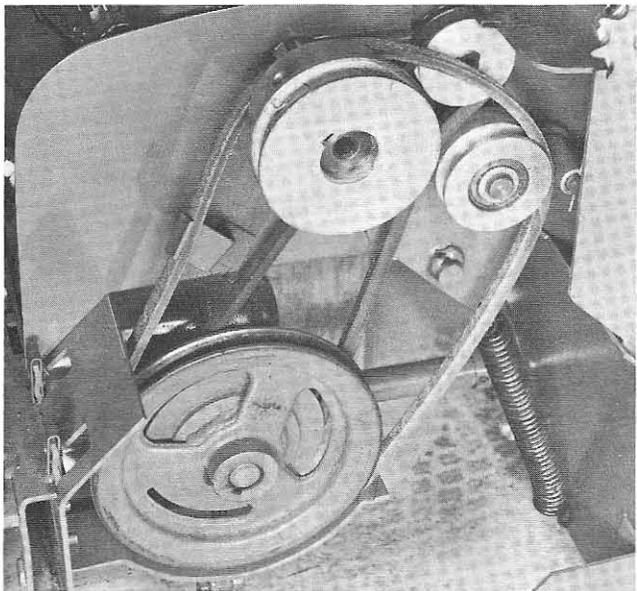


Figure II

4. Attach the mower unit to the propelling unit. Loop the mower drive belt on to the engine pulley. Install the wire belt guide, it is held in place with the two  $\frac{3}{16}$ -24 x  $\frac{3}{4}$  round head screws and the two  $\frac{3}{16}$  washers. See Figure III.

5. Replace the plastic belt cover. Note a spacer and a longer bolt is now used on the top hole. This is needed to allow the shield to clear the engine pulley.

### CLUTCH ADJUSTMENT

Pull back on the clutch handle and hook the clutch rod under frame rail to prevent its return. In this position the belt should be slack. If more slack is needed turn the rod to shorten its length.

**NOTE:** Always engage clutch before starting engine.

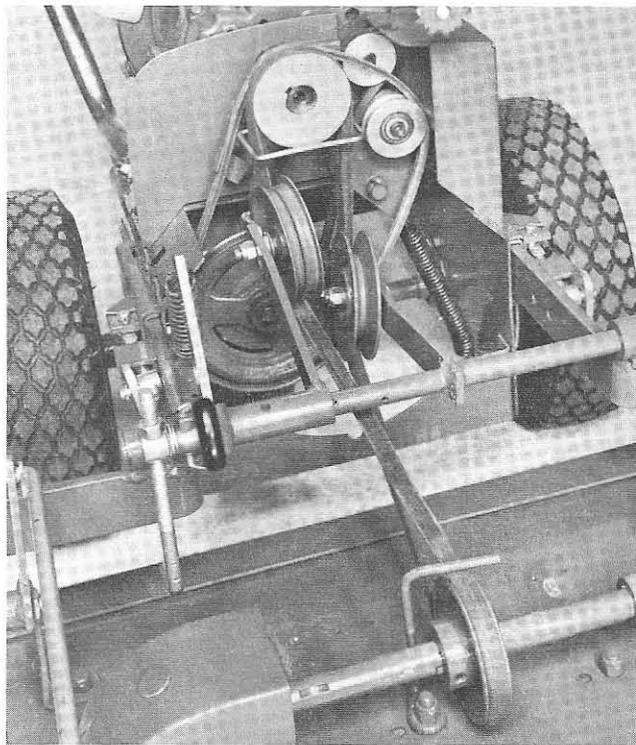


Figure III

### CUTTING HEIGHT ADJUSTMENT

There are six cutting positions available. To adjust to different positions, pull the locking pin and move the height adjustment handle to the desired hole and replace the locking pin. See Figure IV.

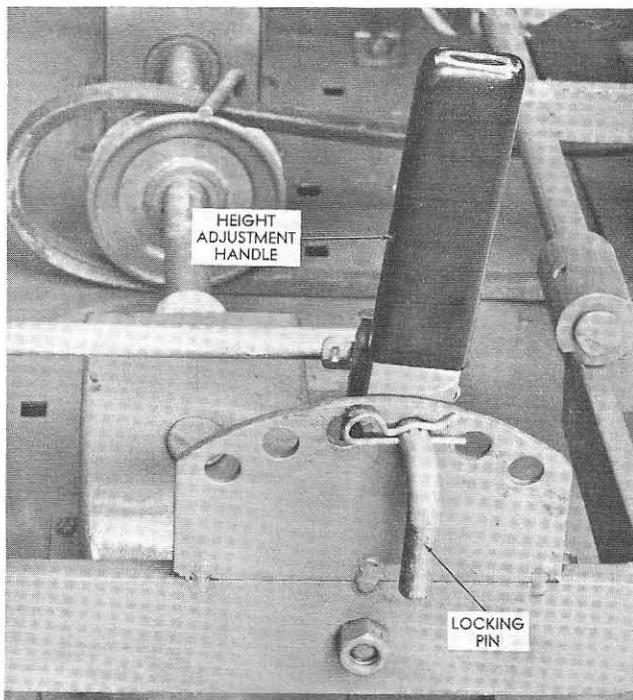


Figure IV

### MOWER GEAR CLEARANCE ADJUSTMENT

The proper gear clearance has been pre-set at the factory, and it should not require any adjusting. When replacing a gear or overhauling the unit, the following procedure should be followed for proper gear clearance:

1. Remove the gear screws.

2. Adjust nut with .020" shim placed between the lock nut and coupling until clearance between face gears and spur gears has been removed. (See figures V and VI.)

If a feeler gage is not available the .020 clearance can be obtained by lining up a flat or corner of the nut with the spiral pin and back off three corners of three flats, this will equal approximately .020.

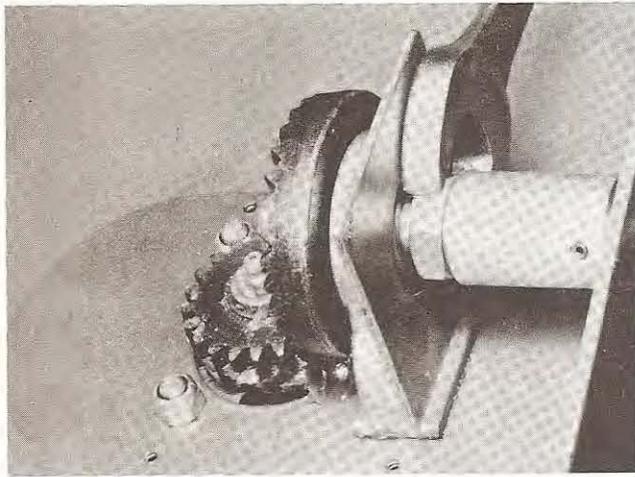


Figure V

3. Remove the .020" shim and provide equal tooth clearance at both set of gears by tapping on each face gear until the adjusting nut is flush with the coupling. **There should be no clearance between the adjusting nut and the coupling.**

4. Check for proper amount of grease and replace gear covers. Use approximately 1/2 lb. American Oil Co. "Super Permalube" grease for each gear set.

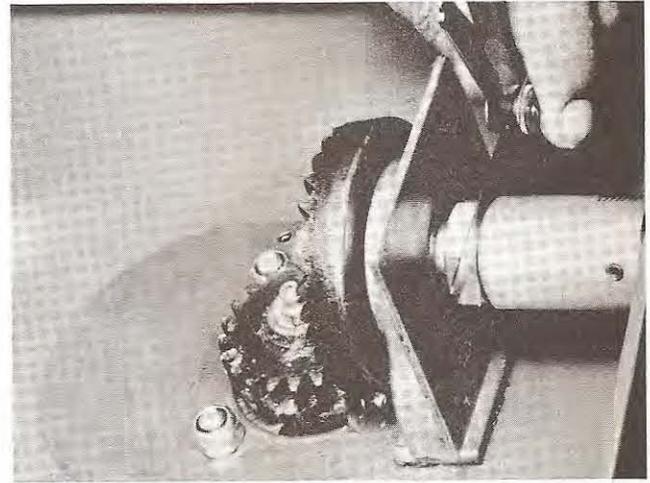


Figure VI

### SAFETY TIPS FOR RIDING LAWN MOWERS, GARDEN TRACTORS AND ATTACHMENTS

1. Know the controls and how to stop quickly — READ THE OWNER'S MANUAL.
2. Do not allow children to operate machine; nor adults to operate it without proper instruction.
3. Clear work area of objects which might be picked up and thrown.
4. Disengage all clutches and shift into neutral before starting motor. Keep hands, feet and clothing away from power-driven parts.
5. Do NOT carry passengers. Keep children and pets a safe distance away.
6. Never direct discharge of any material toward bystanders nor allow anyone near machine while in operation.
7. Disengage power to any attachment and stop motor before leaving operation position.
8. Take precautions when leaving machine unattended (to avoid accidental starting, rolling away, accidental dropping of any attachment, etc.)
9. Disengage power to any attachment whenever it is not in use or when traveling from one work area to another.
10. Stay alert for holes and other hidden hazards.
11. Know what is behind you before backing up.
12. Beware of steep slopes; reduce speed on all side slopes and sharp turns to prevent tipping or losing control.
13. Don't stop or start suddenly when going uphill or downhill.
14. Use extra care when pulling loads or using heavy equipment. (Refer to your owner's manual.)
15. Watch out for traffic when near roadways.
16. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never add gasoline to a running motor — fill tank out of doors and wipe up spilled gasoline.
  - C. Replace gasoline cap securely.
  - D. Open doors if motor is run in garage — exhaust gases are dangerous.
17. Keep machine in good operating condition and keep safety devices in place. Use guards as instructed in owner's manual.
18. Disengage power to any attachment and stop motor before making repairs or adjustments.

## 5-4321 PARTS LIST

All specifications subject to change without notice.

When ordering parts always list Part No. and name of part.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	7790	Ass'y. Deck	1	48	7809	Ass'y. Arm Idler & Clutch	1
2	7589	Housing	1	49	7814	Rod — Lock Nut	1
3	1508	Bearing	4	50	5791	Trunnion — Stud	1
4	1303	Seal	2	51	920009-4	Washer $\frac{3}{8}$ SAE	3
5	908019-4	Bolt Hex $\frac{5}{16}$ -18 x 1	4	52	915113-4	Nut Hex $\frac{3}{8}$ -16	1
6	915112-6	Nut Hex $\frac{5}{16}$ -18	4	53	MW-8402	Spring — Idler	1
7	908035-4	Bolt Hex $\frac{3}{8}$ -16 x $1\frac{1}{4}$	6	54	933504-4	Hairpin Cotter	6
8	915663-4	Nut $\frac{3}{8}$ -16 Elastic Stop	4	55	MW-4405	Washer — Spring	1
9	7757	Guide — Belt	1	56	7815	Ass'y. Frame	1
10	920217-4	Washer	3	57	MW-5327	Bushing — Caster Mounting	4
11	3131	Gear — Spur	2	58	4974	Pulley Idler	1
12	937084	Key — Woodruff #5	5	59	4567	Ball Bearing	1
13	936125	Snap Ring	2	60	936024	Snap Ring	1
14	1030	Fitting — Grease	4	61	1536	Spacer	2
15	3724	Spindle	2	62	908037-4	Bolt Hex $\frac{3}{8}$ -16 x $1\frac{3}{4}$	2
16	1534	Bearing — Thrust	2	63	6719	Pulley — Idler	1
17	1535	Washer — Thrust	4	64	6442	Guide — Belt	2
18	7908	Blade — Cutter R.H. 16"	1	65	7820	Ass'y. Belcrank R.H.	2
19	7909	Blade — Cutter L.H. 16"	1	66	7821	Ass'y. Belcrank L.H.	1
20	3716	Cup — Blade Mounting	2	67	7823	Ass'y. Belcrank	1
21	909862-5	Set Screw $\frac{5}{16}$ -18 x $\frac{3}{16}$	5	68	7825	Rod	2
22	933211	Roll Pin $\frac{1}{4}$ x $\frac{3}{4}$	4	69	7826	Rod	1
23	1336	Washer — Dome	2	70	933171	Roll Pin $\frac{3}{32}$ x 1	2
24	908033-5	Bolt Hex $\frac{3}{8}$ -16 x $\frac{3}{8}$	2	71	933503-4	Hairpin Cotter	6
25	7804	Shaft — Long	1	72	7827	Pin — Height Adjustment	1
26	7586	Shaft — Short	1	73	7893	Spacer	2
27	7587	Coupling	1	74	933121-4	Pin — Clevis	4
28	7588	Lock Nut $\frac{3}{4}$ -20 Special	1	75	7828	Pulley	1
29	7841	Spirol Pin $\frac{3}{16}$ x $1\frac{1}{4}$	1	76	7829	Pulley — Transmission	1
30	7590	Housing	2	77	909850-5	Set Screw $\frac{1}{4}$ -20 x $\frac{3}{8}$	1
31	1515	Bearing	2	78	7830	Guide — Belt	1
32	920083-4	Lock Washer $\frac{3}{8}$	4	79	7831	Belt — Traction	1
33	3130	Gear	2	80	7832	Belt — Mower	1
34	915639-4	Nut Hex $\frac{5}{16}$ -18 Elastic Stop	2	81	3385	Bolt — Round Head $\frac{5}{16}$ -24 x $\frac{3}{4}$	2
35	1613	Pulley	1	82	920217-4	Washer — Flat	2
36	937159	Key Hi-Pro #9	1	83	4570	Decal — Safety	2
37	3141	Cover — Gear	2	84	3710	Decal — Grease	2
38	3757	Plug Button	2	85	6151	Decal — "Reo"	1
39	1304	Screw — Hex #8-32	8	86	MW-1066	Spacer	1
40	7798	Ass'y. Bracket — Caster R.H.	1	87	926255-4	Screw — Self-Tap #14-10 x $1\frac{1}{4}$	1
41	7799	Ass'y. Bracket — Caster L.H.	1	88	7833	Ass'y. Belt Guard	1
42	5188	Bolt Shoulder	2	89	926564-4	Screw — Self-Tap #10-16 x $\frac{3}{8}$	6
43	915113-6	Nut Hex $\frac{3}{8}$ -16	4	90	MW-8067	Grip Height Control	1
44	4480	Wheel 6" x 1.75	2	91	5359	Grip — Clutch Control	1
45	933512-4	Hairpin Cotter	2	92	910013-4	Washer $\frac{5}{8}$ SAE	2
46	933188	Roll Pin $\frac{3}{16}$ x 1	3	93	908036-4	Bolt Hex $\frac{3}{8}$ -16 x $1\frac{1}{2}$	2
47	7805	Ass'y. Bracket Idler	1				

