

PARTS LIST AND INSTRUCTIONS

LAWN VACUUM

FACTORY ORDER NUMBER **7-2613**

WITH OPTIONAL HOSE ACCESSORY

FACTORY ORDER NUMBER **7-2621**

— FOR USE WITH 42" MOWERS ONLY —



⚠ CAUTION ⚠

SAFETY INSTRUCTIONS

- Exercise caution at all times when operating your new vacuum attachment.
- Always stop engine before leaving machine.
- Always stop engine before servicing or adjusting machine.
- Always keep hands, feet and clothing away from any power driven parts.
- Never remove foreign objects from mower deck nozzle, hose, or impeller before stopping engine and removing the key.
- Never operate unit with hose from impeller to canopy disconnected.

DESCRIPTION

The 7-2613 lawn vacuum is designed specifically for installation on 42" mowers only — mowers 5-1001, 5-1010, 5-1011, 5-1012, 5-1421, 5-1422 and 5-1423. To support the vacuum bag, dump trailer 7-2211 or 7-2212 is required. An **optional** hose accessory, factory order number 7-2621, is available for use around shrubbery and other inaccessible areas.



WHEEL HORSE

lawn & garden tractors

INSTALLATION

IMPELLER UNIT

1. Assemble the Rear (Dozer Blade) Quick Hitch Assembly to tractor as shown in Figure 1, leaving bolts loose. Assemble Latching Plates to outside of hitch.
2. Relocate the R.H. tractor footrest in the outer hole locations in footrest bracket, retaining the two (2) $\frac{5}{16}$ -18 bolts for later use. (Figure 5.) The footrest plate 104100, secured by bracket 104099, will hold footrest firmly in the outer position. Attach both parts from beneath the support rod

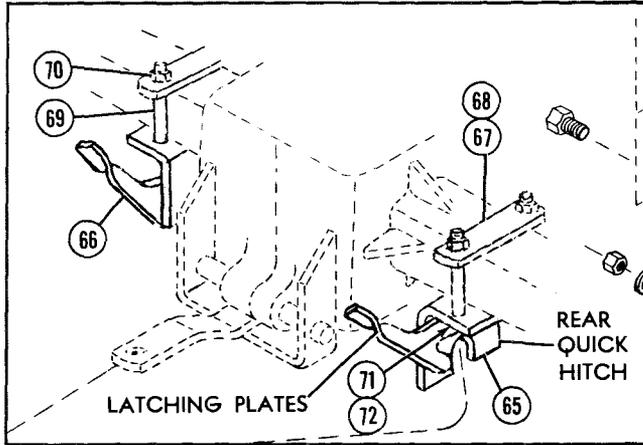


FIGURE 1

3. Mount Idler Pulley in center of slotted hole of Idler Mounting Bracket with $\frac{3}{8}$ -16 bolt, washer, and nut as shown in Figure 2.

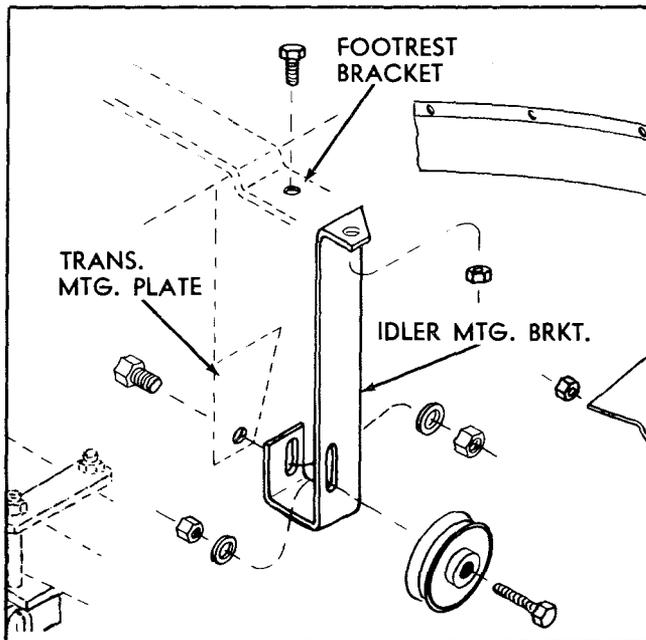


FIGURE 2

4. Secure the Idler Mounting Bracket to Transmission mounting plate with $\frac{1}{2}$ -13 Bolt, washer, and nut. Fasten at top to the footrest bracket with $\frac{5}{16}$ -18 bolt, and nut as shown in Figure 2.
5. Mount the Impeller Unit on Rear Quick Hitch, placing the adjustment screw into Draw Bar and secure with Latching Plates and hairpin cotter as shown in Figures 3 and 4.

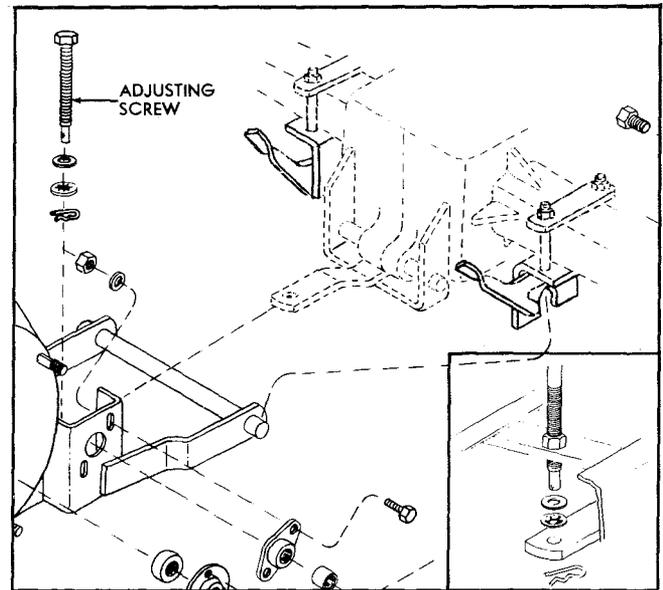


FIGURE 3

FIGURE 4

6. Shift quick hitch assembly as necessary to align the Jackshaft Pulley with the outer groove on clutch pulley and tighten Quick Hitch mounting bolts.
7. Slip the Drive Belt under R. H. rear tractor wheel and place on outer groove of clutch pulley, Jackshaft Pulley and under Idler Pulley as shown in Figure 5. (Wheel removed for viewing purposes only.)

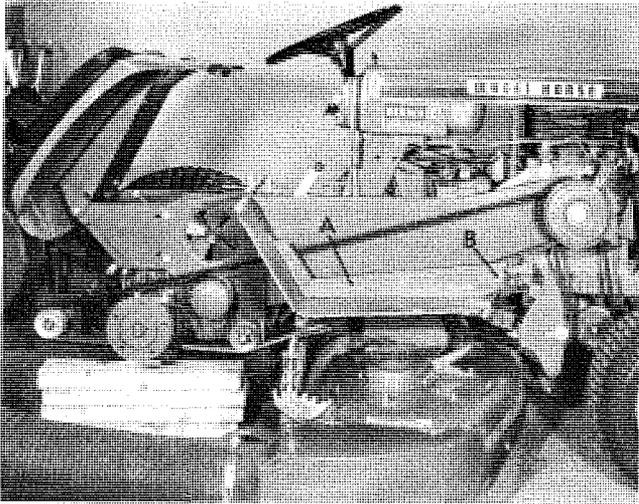


FIGURE 5

8. Adjust the adjustment screw for proper belt tension. (Approximately 1" deflection in the center on upper strand.) Idler pulley may be moved in slot to provide belt clearance under axle and additional belt adjustment.
9. To install belt cover, first install belt guard bracket 104446 between the tractor frame and hole "A" (see Figure 5). Hook the top belt cover clip to the top of the belt guard and secure to the outside of the footrest using the bolts removed during step 2 and the nuts supplied. Next attach the belt guard plate 104450 at hole "B" (see Figure 5).

MOWER PREPARATION

10. Clamp Mower Deck Covers to front edge of mower deck, ends against Roller Bracket with bottom edge 1" below mower deck. Using the deck covers as templates, mark and drill eight (8) $\frac{13}{64}$ Dia. holes for machine screws and fasten with Keps-Nuts. See Figure 6. Install with screw-heads inside mower.

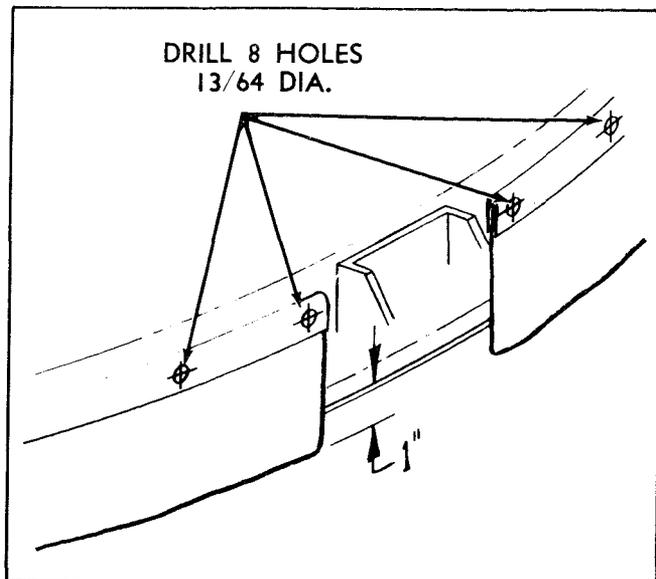


FIGURE 6

11. Place Nozzle on mower deck. Mark location for holes. Drill three (3) $\frac{5}{16}$ Dia. holes and file out to square for $\frac{5}{16}$ -18 Carriage Bolts and secure with nuts. See Figure 7.

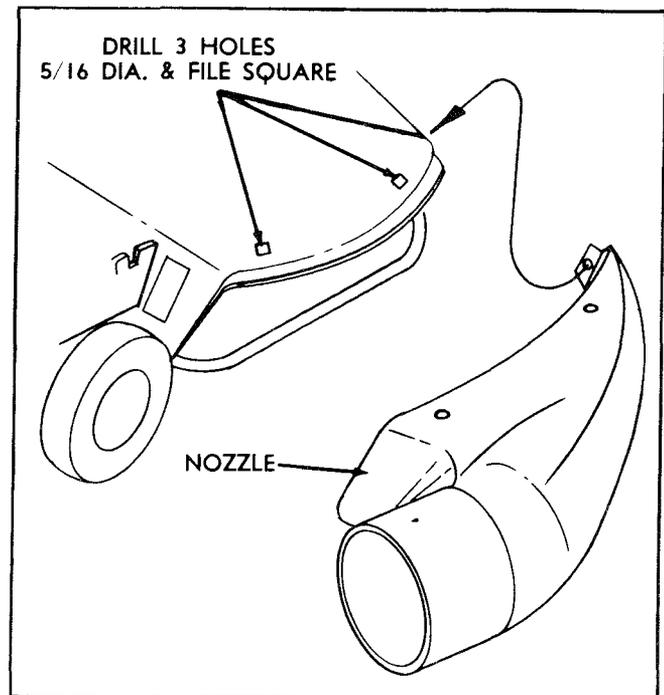


FIGURE 7

Remove the R.H. draft bar (101777) and the R.H. rear bracket (102430) and replace with new parts (104359) R.H. offset draft bar (item 75 in exploded view drawing) and (104358) R.H. rear bracket (item 76).

TRAILER CANOPY

12. Fasten top Trailer Canopy tubes (52) to hose adapter assembly tube (53) using $\frac{3}{16}$ -18 bolt and nut as shown in Figure 8.
13. Assemble the rear of the top canopy support tubes (52) to the outside and the cross tubes (56) to the inside of the top rear U-Tube (55) using $\frac{3}{16}$ -18 Bolt and nut as shown in Figure 9.
14. Insert Upright Braces (54) into Hose Adapter Assembly Tube (53) and Top Rear U-Tube (55).
15. Make loose connection of Front Upright Braces (54), Lower U-Tube (55), and Cross Tubes (56) using eyebolts as shown in Figure 10.
16. Make loose connection of Rear Upright Braces (54) to lower U-Tube (55) as shown in Figure 11.
17. Install canopy over frame.
18. Pull up sides of canopy and install side tubes (57) in loops of canopy as shown in Figure 12.
19. Insert reduced ends of side tubes (57) into bottom U-Tubes (55).
20. Pull up corners of canopy and tighten nuts on Eye Bolts making unit rigid.
21. Place Canopy Frame Assembly on Dump Trailer with side dust seals between trailer bed and frame tubing as shown in Figure 12.
22. Turn up corners of canopy and fasten unit to trailer bed as shown in Figure 10. NOTE: Check to make sure side dust seals are still in proper location.
23. Install Canopy Hooks and fasten to rear tubes as shown in Figure 13.
24. Secure Canopy to Trailer Bed with rope making sure bottom of canopy is below bed lip and plastic canopy corner protectors are in place between canopy and mounting bolts before tying knots.

FINAL ASSEMBLY

25. Fasten 51" Hose between Mower nozzle and Impeller Assembly with hose clamps.
26. Hook Trailer Tongue to rear of Vac Unit with Tool Pin.
27. Fasten 33" Hose to Canopy Adaptor with hose clamp.
28. Insert hose adapter into opposite end of hose and secure with hose clamp.
29. Position Adapter in Clip on Impeller Assembly and secure with wing nut.

OPERATING INSTRUCTIONS

⚠ CAUTION ⚠

Please read the safety rules in this manual before attempting to operate this equipment.

The Lawn Vacuum is designed to operate efficiently at normal mowing speeds. Consult your mower operating instructions for proper throttle settings and ground speed. **Note:** The attachment clutch engages and disengages both the mower and lawn vacuum simultaneously.

The vacuum will pick up grass clippings, leaves, twigs and other small articles on the lawn and deposit them in the trailer. A deflector is built into the hose adaptor assembly tube to protect the canopy against damage from flying debris. Care should be taken, however, to remove any articles from the lawn which might cause damage to the mower or impeller assembly.

If suction action or pick-up should cease while in operation, stop forward travel, disengage attachment clutch, and **shut off engine**. Check for such possible causes as a dirty canopy breathing screen, obstructions in the mower nozzle, hoses or impeller housing, and insufficient belt tension.

The trailer may be easily emptied through the large zippered flap in the rear of the canopy. **Never empty trailer with engine running**. The trailer may be lowered (trailer latch released) for emptying if desired, after first disconnecting the trailer hose from impeller unit.

MAINTENANCE

The Lawn Vacuum is nearly maintenance free. The impeller shaft bearings and idler pulley require no lubrication. Prompt emptying of the trailer and allowing the canopy to dry thoroughly between uses and prior to storage will prolong service life. For winter storage, simply take standard rust preventive measures on metal components.

PARTS LIST FOR LAWN VACUUM

FACTORY ORDER NUMBER 7-2613

Parts available only through Authorized Dealers.

When ordering parts always list Part No. and Description.

(Specifications subject to change without notice.)

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	102518	Impeller Housing Assembly	1
2	102519	Impeller Assembly	1
3	102520	Front Plate Assembly	1
4	102521	Jackshaft Spacer	2
5	1580	Impeller Drive Belt 4L-310	1
6	102522	$\frac{3}{4}$ Retaining Ring 5133-75	3
7	6366	Square Key $\frac{3}{16}$ x $\frac{7}{8}$	3
8	102524	Jackshaft Pulley 4L-2 $\frac{3}{4}$	2
9	102525	6" Dia. Hose x 51"	1
10	908032	$\frac{3}{8}$ -16 x $\frac{3}{4}$ Hex Cap Screw	4
11	102526	Jackshaft Bearing	2
12	920009	$\frac{3}{8}$ " S.A.E. Flat Washer	5
13	915113	$\frac{3}{8}$ -16 Lock Nut	5
14	102527	6" Dia. Hose x 33"	1
15	102528	6" Hose Clamp	4
16	915585	$\frac{5}{16}$ -18 Wing Nut	1
17	102529	Hose Adapter	1
18	102530	Impeller Pulley 4L-4	1
19	102531	Hamper Hook	4
20	102532	Impeller Shaft Spacer	1
21	908001	$\frac{1}{4}$ -20 x $\frac{1}{2}$ Hex Cap Screw	8
22	920081	$\frac{1}{4}$ " Split Lock Washer	6
23	102533	Bearing Cup	2
24	102534	Ball Bearing	2
25	102535	Belt Cover Assembly	1
	103174	Decal - Wheel Horse	1
26	915111	$\frac{1}{4}$ -20 Lock Nut	6
27	920007	$\frac{1}{4}$ " S.A.E. Flat Washer	4
28	102536	Bearing Cup w/Nuts	2
29	102537	Seal	1
30	102538	Adjustment Screw	1
31	102539	$\frac{7}{16}$ Flat Washer	1
32	102540	$\frac{7}{16}$ Push-Nut PS-438014	1
33	933509	Hairpin Cotter	1
34	102542	Impeller Shaft	1
35	933215	$\frac{1}{4}$ x $1\frac{1}{4}$ Roll Pin	2
36	102543	Jackshaft	1
37	1594	Drive Belt 4L-1070	1
38	908017	$\frac{5}{16}$ -18 x $\frac{3}{4}$ Hex Cap Screw	1
39	908057	$\frac{1}{2}$ -13 x 1 Hex Cap Screw	1
40	102544	Idler Mounting Bracket	1

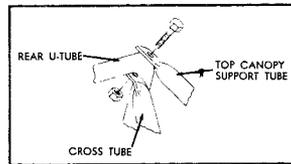
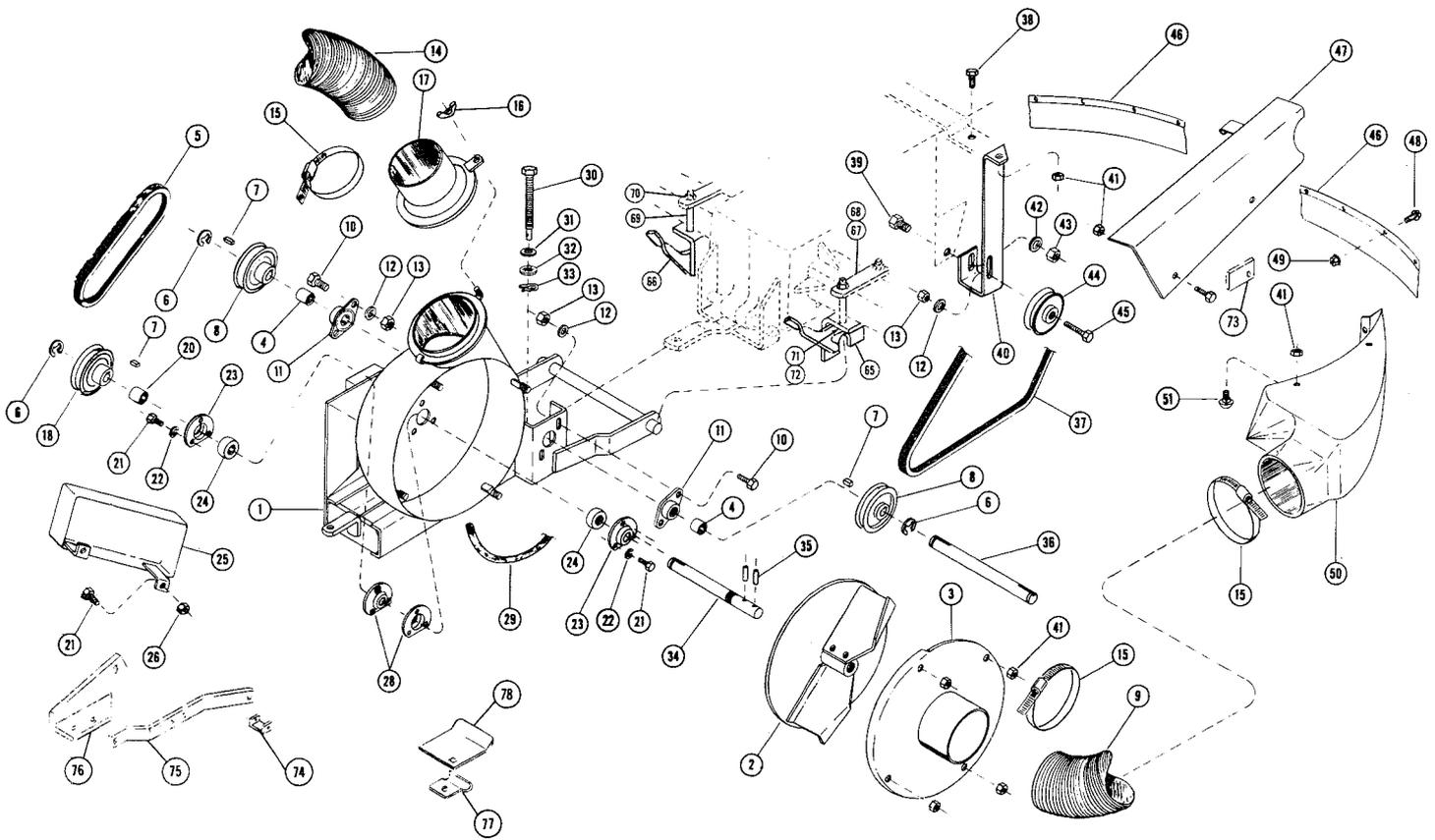


FIGURE 9

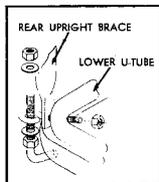


FIGURE 11

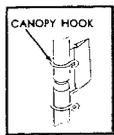


FIGURE 13

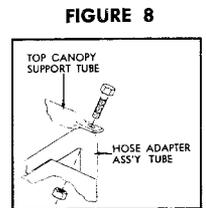


FIGURE 8

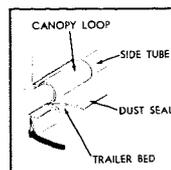


FIGURE 12

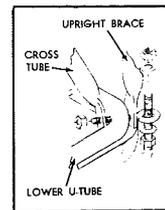


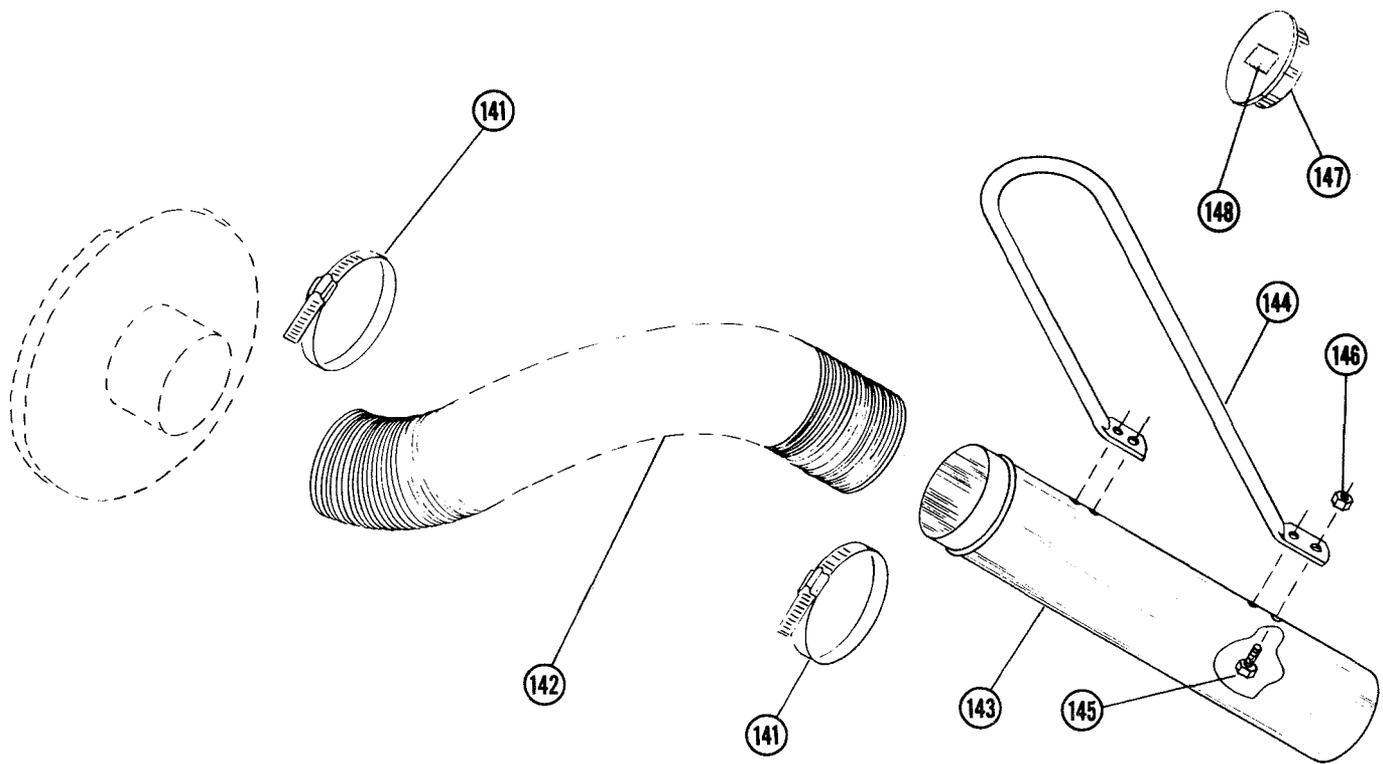
FIGURE 10

PARTS LIST FOR LAWN VACUUM

FACTORY ORDER NUMBER 7-2613

Parts available only through Authorized Dealers.
When ordering parts always list Part No. and Description.
(Specifications subject to change without notice.)

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	915112	$\frac{5}{16}$ -18 Lock Nut	16
42	920011	$\frac{1}{2}$ " Flat Washer	1
43	915115	$\frac{1}{2}$ -13 Lock Nut	1
44	102545	V-Belt Idler 4L-2 $\frac{5}{8}$	1
45	908036	$\frac{3}{8}$ -16 x 1 $\frac{1}{2}$ Hex Cap Screw	1
46	102546	Mower Deck Cover Assembly	2
47	104449	Belt Guard Assembly	1
48	910792	#10-24 x $\frac{1}{2}$ Rd. Head Screw	8
49	915964	#10-24 Kep-Nut	8
50	102548	Nozzle Assembly	1
51	900285	$\frac{5}{16}$ -18 x $\frac{5}{8}$ Carriage Bolt	3
52	102549	Top Tube	2
53	102550	Front Hose Adapter Assembly	1
54	102551	Upright Brace	4
55	102552	U-Tube	3
56	102553	Cross Tube	2
57	102554	Side Tube	2
58	908020	$\frac{5}{16}$ -18 x 1 $\frac{1}{4}$ Cap Screw	2
59	908019	$\frac{3}{16}$ -18 x 1 Hex Cap Screw	2
60	920008	$\frac{5}{16}$ " S.A.E. Flat Washer	8
61	102555	$\frac{1}{4}$ -20 Eye Bolt	4
62	915112	$\frac{5}{16}$ -18 Hex Nut	4
63	102556	J-Bolt	4
64	102557	Cart Cover	1
65	7710	Mounting Bracket Assembly	1
66	7704	Latching Plate	2
67	7711	Link	2
68	7713	Angle Spacer	2
69	900073	Bolt Carriage $\frac{3}{8}$ -16 x 3 $\frac{1}{2}$	4
70	915663	Nut $\frac{3}{8}$ -16 Elastic Stop	4
71	908034	Bolt Hex $\frac{3}{8}$ -16 x 1	2
72	920009	Washer $\frac{3}{8}$ S.A.E.	2
73	104450	Belt Guard Plate	1
	908015	Bolt, Hex $\frac{5}{16}$ -18 x $\frac{1}{2}$	1
	920082	Lockwasher, $\frac{5}{16}$ Plain	1
74	104446	Belt Guard Bracket	1
75	104359	Draft Bar — Mower	1
76	104358	Deck Bracket — Mower	1
77	104099	Bracket	1
78	104100	Footrest Plate	1



HOSE ACCESSORY
Factory Order Number 7-2621
Optional Accessory for 7-2613 Lawn Vacuum

The Hose Accessory makes the Lawn Vacuum even more versatile by permitting leaf and debris pick up around shrubs, along hedges and fences and other inaccessible areas. It comes packed in one carton and is easily assembled, using the exploded view drawing above as a guide.

To use, remove the hose from the mower and the impeller housing and install hose accessory on impeller inlet.

⚠ CAUTION ⚠
Always shut off tractor engine before installing or removing hoses. Install mower nozzle plug when operating hose accessory.

Position tractor so that the area beneath the mower is free of debris and that the mower nozzle points **away** from work area. Lower mower to cutting position and set parking brake. Start engine, adjust throttle to full open position and engage attachment clutch.

PARTS LIST FOR HOSE ACCESSORY
FACTORY ORDER NUMBER 7-2621

(Specifications subject to change without notice.)
 Parts available only through Authorized Dealers.
 When ordering parts always list Part No. and Description.

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D.
141	102528	6" Hose Clamp	2
142	102515	10' Lg. Plastic Hose	1
143	102516	Nozzle	1
144	102517	Nozzle Handle	1
145	908001	1/4-20 x 1/2 Hex Cap Screw	4
146	915111	1/4-20 Lock Nut	4
147	102661	Plug, Nozzle	1
148	102662	Decal, Warning	1

WHEEL HORSE PRODUCTS, INC. 515 West Ireland Road South Bend, Indiana 46614