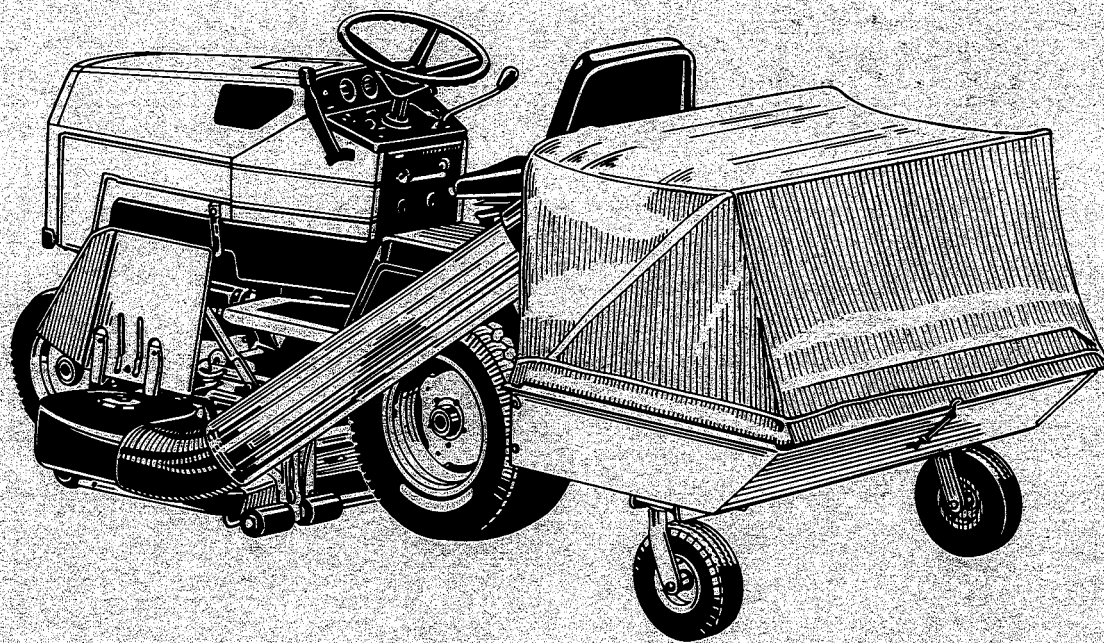


OPERATOR'S MANUAL

WIDE BODY CART COLLECTOR

Dual Wheel Cart For Use With
Turbo Collection System



FORM 1701937-02
PRINTED IN U.S.A.
10/88

CART COLLECTOR
MFG. NO. 1691526

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DECALS

NOTE: To clean clear mid-tube on Deluxe Grass Catcher wash with warm water and mild soap or detergent. Use a soft clean sponge or cloth. DO NOT use abrasive, alkaline, or petroleum based cleaners.

SPECIFICATIONS

Over-all Length: 42 in.

Width: 46 in.

Height: 41.4 in.

Inside Box Length: 31 in.

Width: 44 in.

Height: 7 in.

Box Capacity: 5 cu. ft.


Weight Capacity: 400 lbs.

Grass Capacity: 17 bushels

Pneumatic Tire Size: 410/350 x 4

Safety Rules



Read these safety rules and the safety rules in your Operator's Manual and follow them closely. Failure to obey these rules could result in loss of control of vehicle, severe personal injury to yourself, or damage to property or equipment. The triangle  in the text signifies important cautions or warnings which must be followed.



WARNING

When blower assembly is removed from mower deck, the deflector must be installed as described in Operating Without Collection System.

1. Know the controls and how to stop quickly. READ THE TRACTOR'S OWNER'S MANUAL.
2. Shut the engine (motor) off before attaching, adjusting, or disconnecting the Collection System.
3. Check the cart to make sure it is attached tightly to tractor.
4. Check the latch handle to make sure it is engaged so the cart's box is locked to the frame.
5. Look behind to make sure the area is clear before backing up.
6. DO NOT turn sharply when the tractor is alongside a building or any object.
7. DO NOT carry passengers in the cart.
CAUTION:
8. For added tractor stability and to prevent tipping or loss of control;
 - A. DO drive in reduced speed on uneven ground and when turning corners.
 - B. Reduce loads on hillsides. It is recommended that the Collection System be kept only half full when negotiating any slopes. Start mowing on slopes when the Collection System is empty.
 - C. Mow up and down the face of slopes; **never across the face of any slope.**
9. **CAUTION:** Objects may be thrown from mower.
For your safety:
 - A. DO NOT remove the cover while the mower blades are turning. Shut off the engine before opening the door or removing the grass chute.
 - B. Be sure the complete Collection System is in place (cover secure and grass chute connected) before operating the mower.
 - C. DO check the cart cover frequently for wear and tear. Replace with new cover for safety protection.
10. For best results when mowing grass: Set the mower to cut from 1 to 2 inches of grass. If grass is exceptionally tall, set your mower as high as possible for first cutting. Lower cutting height at succeeding cuttings until proper height is reached. It may be necessary to mow tall grass at a slower tractor speed.

ILLUSTRATION & PARTS LIST

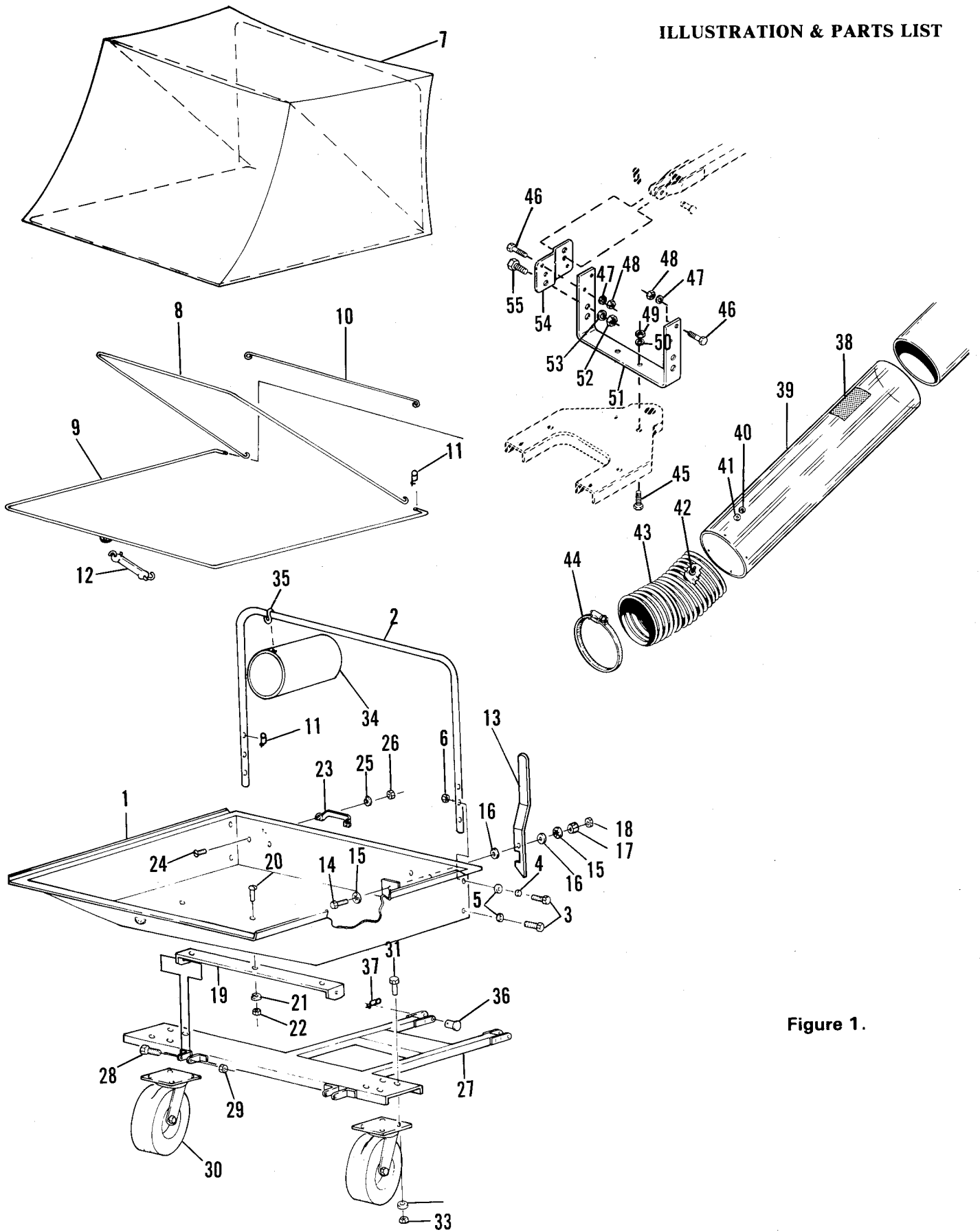


Figure 1.

Item	Description	Quantity
1	Box	1
2	Tube, Support	1
3	Bolt, Hex, 5/16-18 x 1-1/2	4
4	Spacer, Plastic, 5/16	2
5	Flatwasher, 5/16	4
	Nut, Lock, 5/16-18	4
7	Cover	1
8	Rod, Support	1
9	Rod, Frame	1
10	Rod, Straight	1
11	Clip, Safety	2
12	Strap, Rubber, 6 inch	1
13	Handle, Latch	1
14	Bolt, Hex, 5/16-18 x 1-1/4	1
15	Washer, Spring, 5/16	2
16	Flatwasher, 5/16	2
17	Nut, Hex, 5/16-18	1
18	Nut, Jam, 5/16-18	1
19	U-Bracket	1
20	Bolt, Slotted Truss Head, 5/16-18 x 3/4	3
21	Lockwasher, 5/16	3
22	Nut, Hex, 5/16-18	3
23	Handle Lift	2
24	Bolt, Slotted Truss Head, 1/4-20 x 1/2	4
25	Lockwasher, 1/4	4
26	Nut, Hex, 1/4-20	4
27	Frame	1
28	Bolt, Hex, 1/2-13 x 1-1/4	2
29	Nut, Hex Lock, 1/2-13	2
30	Wheel, Swivel, 410/350-4	2
31	Bolt, Hex, 3/8-16 x 1	8
32	Flatwasher, 3/8 S.A.E.	8
33	Nut, Hex Lock, 3/8-16	8
34	Sleeve, Plastic Connecting	1
35	Clip, Spring	1
36	Pin	2
37	Clip, Safety	2
38	Decal, Cleaning Inst.	1
39	Tube Assy. (Incl. Ref. No. 38)	1
40	Nut, Hex Full, Lock, #10-32	4
41	Washer, Plain, #10	4
42	Screw, Phillips, Truss Hd., #10-32 x 1/2	4
43	Hose	1
44	Clamp, 6"	1
45	Capscrew, Hex, 1/2-13 x 1-1/4	2
46	Capscrew, Hex Hd., 7/16-14 x 1-1/2	4
47	Lockwasher, 7/16	4
48	Nut, Hex, Full, 7/16	4
49	Nut, Hex, Full, 1/2-13	2
50	Lockwasher, 1/2	2
51	Bracket, Hitch (Frame)	1
52	Nut, Hex, Full, 5/8	2
53	Lockwasher, 5/8	2
54	Bracket, Hitch (Cart)	2
55	Capscrew, Hex Hd., 5/8-11 x 1-1/4	2

INSTALLATION - COLLECTION SYSTEM

Cart Assembly

NOTE

Sort out the hardware and arrange by size and type. Refer to figure 1. The letter SAE indicates that the outside diameter is slightly smaller than other washers with same description.

1. INSTALL THE WHEEL ASSEMBLIES (A, figure 2) TO THE FRAME (B). Place the head of the swivel wheel on the end of the frame. Align the holes and place four $3/8 \times 1$ long hex bolts up through the frame and head of the swivel. Secure with four $3/8$ S.A.E. flatwashers and locknuts (2-way).

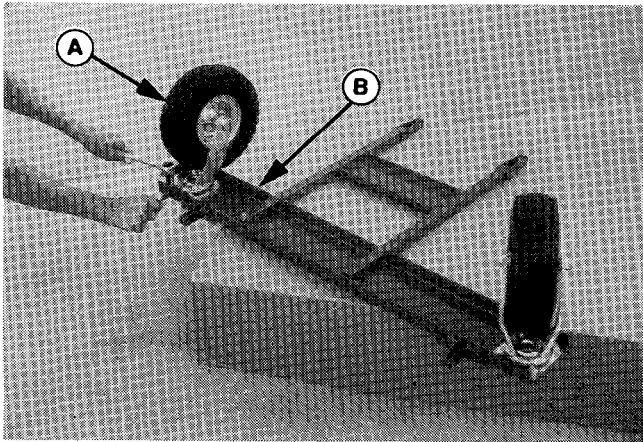


Figure 2.

- A. Wheel Assembly
- B. Frame

2. INSTALL THE U-BRACKET (A, figure 3) TO THE BOTTOM OF THE BOX (B). Place the three $5/16 \times 3/4$ long slotted truss head bolts through the inside of the box and the U-bracket. Secure with three $5/16$ lockwashers and nuts.

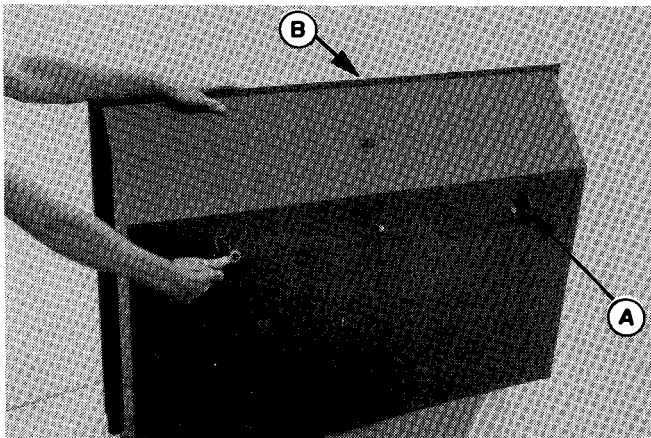


Figure 3.

- A. U-Bracket
- B. Box

3. TURN BOX UPSIDE DOWN AND INSTALL THE FRAME TO THE U-BRACKET (figure 4). Align the two prong end (A) in the frame with the ends of the U-bracket and secure with two $1/2 \times 1-1/4$ long hex bolts and $1/2$ locknuts. DO NOT overtighten the locknuts, since the box pivots at this point for dumping.

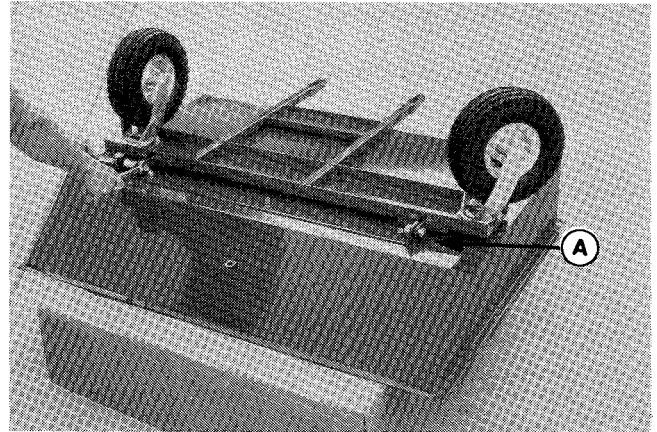


Figure 4.

- A. Prong End

4. TURN BOX WITH FRAME UPRIGHT AND INSTALL THE LATCH HANDLE (A, figure 5) AND TWO LIFT HANDLES (B) AS FOLLOWS:
 - a. LATCH HANDLE. Place one $5/16 \times 1$ long hex bolt with $5/16$ spring washer through the inside of the box. Next place a $5/16$ flatwasher over the bolt on the outside of the box, the latch handle, a $5/16$ flatwasher, a $5/16$ spring washer and a $5/16$ nut and jam nut. Tighten the nuts so that when the latch handle turns the bolt and nut will not turn. (Be sure the cups of the spring washers are facing toward the box surface on both sides.)
 - b. LIFT HANDLES. Install the two lift handles on the outside of the box. Place two $1/4 \times 1/2$ long slotted truss head bolts through the inside of the box and the lift handle. Secure with two $1/4$ lockwashers and nuts.

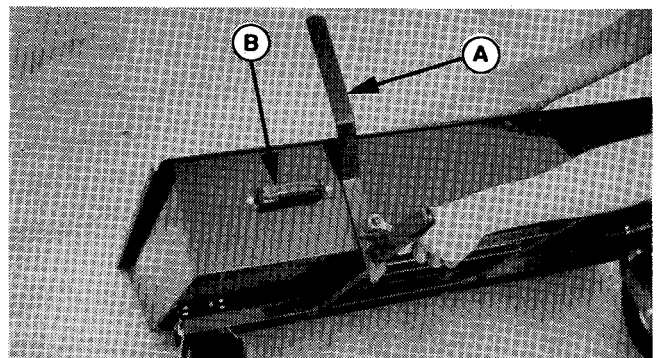


Figure 5.

- A. Latch Handle
- B. Lift Handle

5. **INSTALL SUPPORT TUBE (A, figure 6) INSIDE THE BOX.** Align each end of the Support Tube with the two holes at the front corner side of the box. Place one 5/16 x 1-1/2 long hex bolt with a plastic spacer and 5/16 flatwasher through the top, outside hole of the box and the support tube. Secure with a 5/16 locknut on the inside. At the bottom hole place one 5/16 x 1-1/2 long hex bolt with a 5/16 flatwasher through the box and the support tube. Secure with a 5/16 locknut.

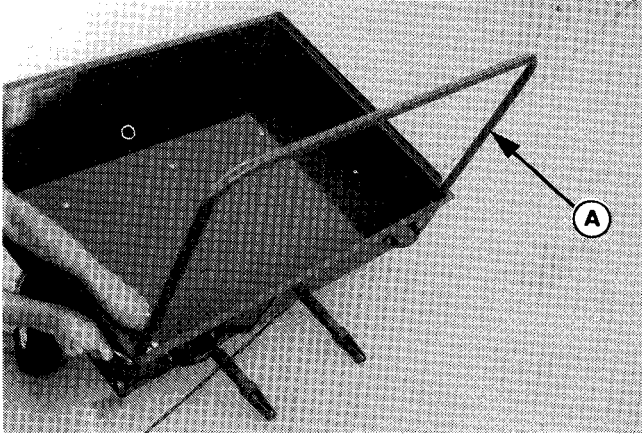


Figure 6. A. Support Tube

6. **INSTALL THE COVER ASSEMBLY (figure 7).** Unfold the cover and spread it out on a flat, clean surface with the white dust shield side up. The two 3/8 inch rods are threaded through two sleeves inside the cover. The rod with the two bent ends is called the frame rod (B), since it lays on top of the box's frame. The rod with the two eyebolt ends is called the support rod, since it supports the top, rear side of the cover. Install as follows:

- a. Thread the frame rod through the bottom sleeve of the cover so that the two bent ends protrude through the openings on each side. The openings (A) of the sleeve are found next to the black cord loops.

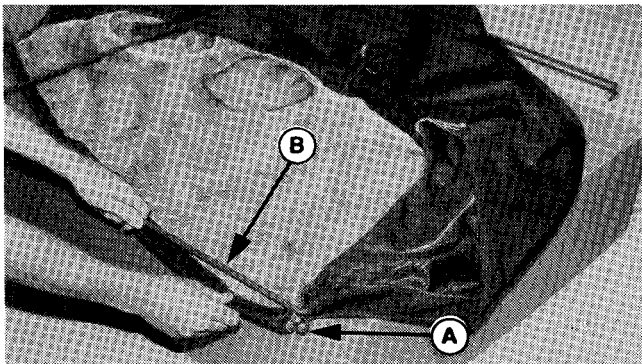


Figure 7.
A. Opening B. Frame Rod

- b. Thread the support rod (A, figure 8) (2 eye bolt ends) through the sleeve inside the cover.

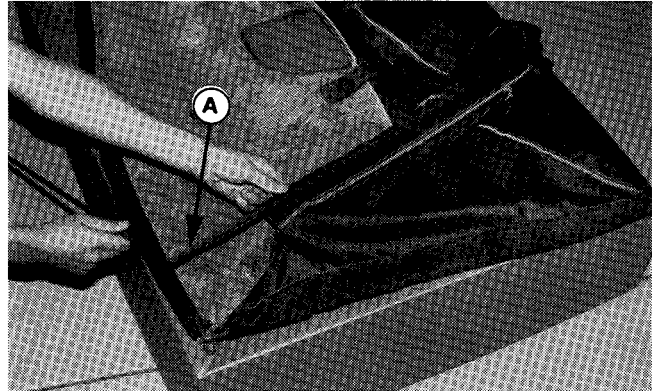


Figure 8.
A. Support Rod

- c. Pick up the cover by holding the rods and place the support rod inside the frame rod before hooking the frame rod (A, figure 9) through the eyelet of the support rod (B) on each end.

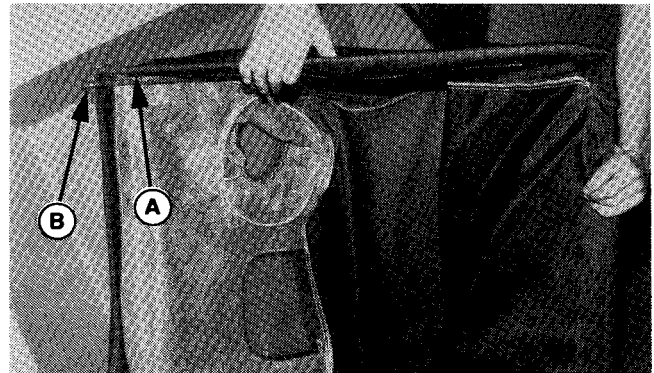


Figure 9.
A. Frame Rod
B. Support Rod

- d. Place the cover assembly over the support tube. Insert the frame rod with the support rod attached through the hole in the support tube and secure with a safety clip (A, figure 10) on each side.

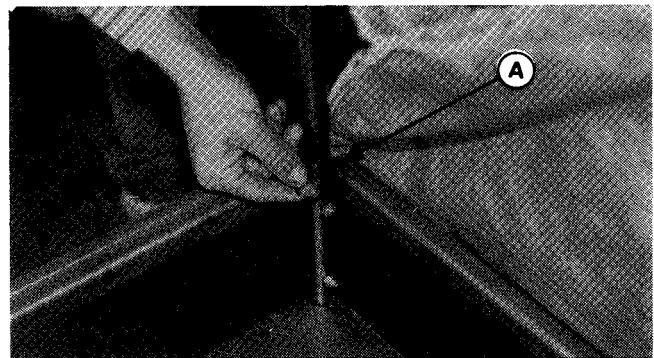


Figure 10.
A. Safety Clip

- e. Install the plastic connecting sleeve (A, figure 11) inside the collar of the cover. The end of the sleeve which has a small hole should be positioned on the inside at the top. Insert the spring clip (B) through the hole in the sleeve and hook it over the support tube.

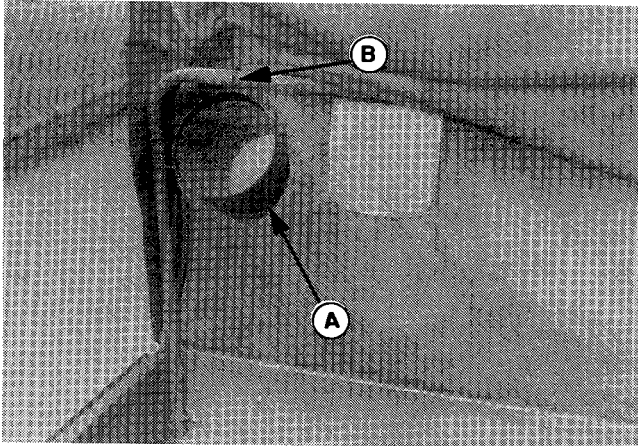


Figure 11.

A. Sleeve B. Spring Clip

- f. Thread the straight rod (A, figure 12) which has an eyelet on each end through the sleeve at the front of the cover.

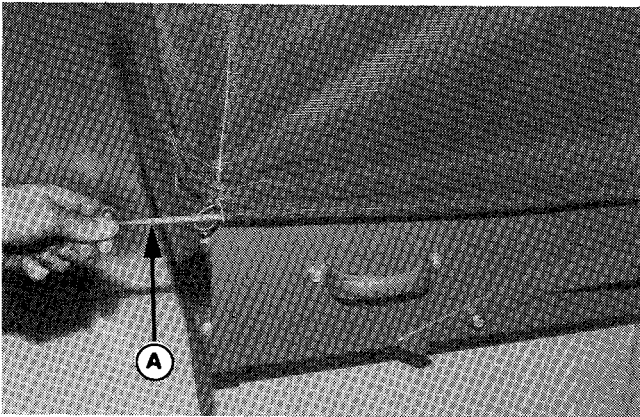


Figure 12.

A. Straight Rod

- g. Pinch the black cord loop (B, figure 13) and thread it through the eyelet on each end of the rod. Next, pull the loop over the top bolt (C) on each side of the box. The rod gives added support to the cover at the front of the box.
- h. Inside the cover at the front, there is a long tab with an eyelet on the end. Pull this tab over the top of the support tube (A, figure 14) and back under the support tube before threading it through the slot in the cover. This locking tab (B) secures the cover to the support tube when the cover assembly is locked into the open position for dumping.

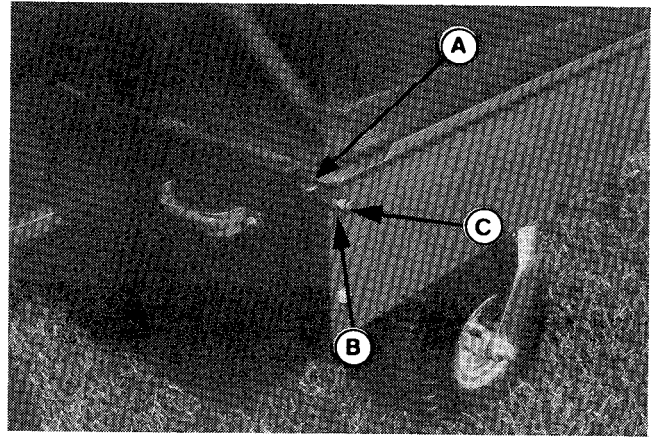


Figure 13.

A. Straight Rod B. Cord Loop C. Bolt

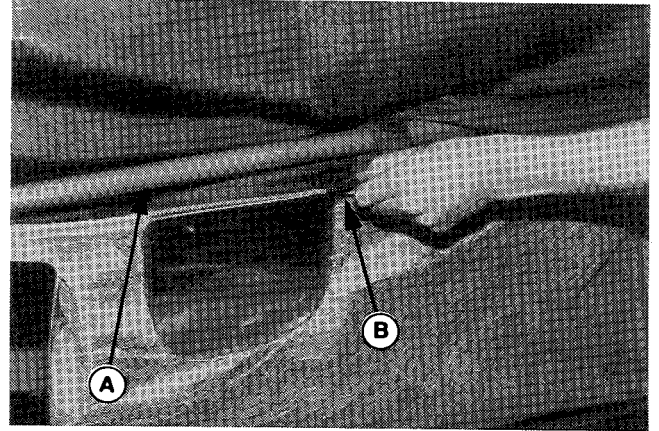


Figure 14.

A. Support Tube B. Long Tube

- i. Install the six inch rubber strap (A, figure 15) at the back of the box. Hook the strap over the metal loop (B) on the frame rod, which protrudes through the cover. Close the hook with a pair of pliers. Hook the other end of the strap over the door lock (C) on the box.

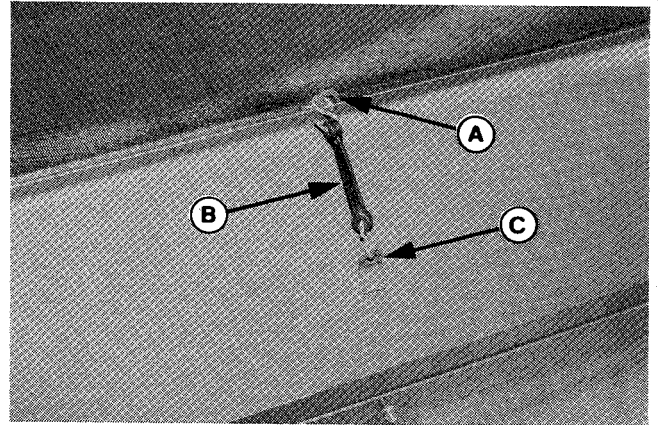


Figure 15.

A. Metal Loop B. Rubber Strap C. Door Lock

Installing Brackets Onto Tractor

1. Install the U-bracket (A, figure 16) with two 1/2-13 x 1-1/4 capscrews (B), 1/2 lockwashers, and nuts. At top hole on each side, install two 7/16-14 x 1/2 capscrews (C), lockwashers and nuts.

NOTE

The U-bracket (A, figure 16) shown in figure 16 and 17 is an accessory hitch with additional "ears" for tiller attachment. U-bracket (51, figure 1) supplied with cart mounts in same location with supplied hardware.

2. Position brackets (D) with large hole (E) at bottom of each side. In large holes (E) install 1-1/2-13 x 1-1/4 capscrews, 1/2 lockwashers and nuts.
3. Install two 7/16-14 x 1/2 capscrews (F), 7/16 lockwashers and nuts.

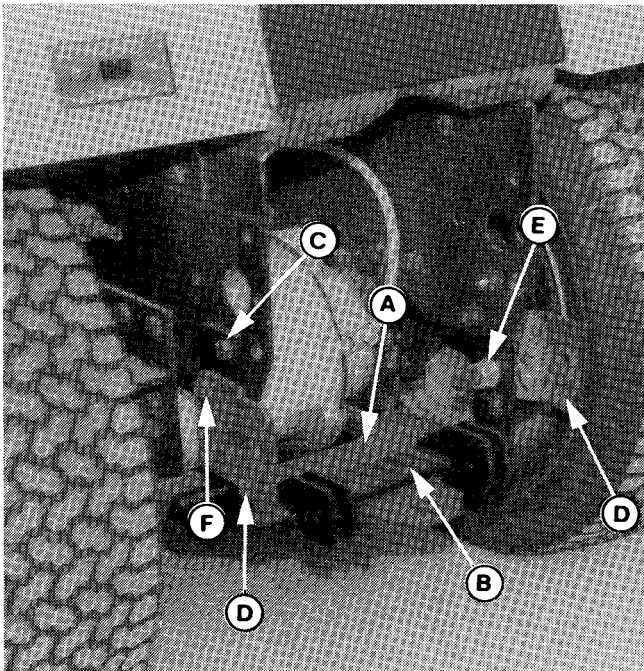


Figure 16.

- A. U-Bracket
- B. Capscrew, 1/2-13 x 1-1/4
- C. Capscrew, 7/16-14 x 1/2
- D. Bracket
- E. Large Hole
- F. Capscrew, 7/16-14 x 1/2

Connecting Cart To Tractor

Place the frame onto tractor brackets and install the pins and clips (figure 17).

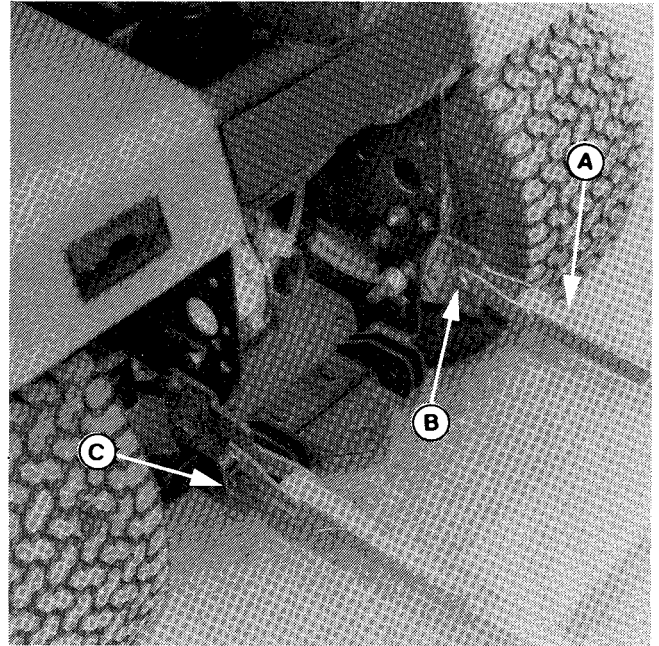


Figure 17.

- A. Frame
- B. Pins
- C. Clips

Blower Assembly

Refer to instructions supplied with blower assembly to install onto mower.

MAINTENANCE

WARNING

The cart cover is subject to wear and deterioration. Check the cover frequently. Use an approved replacement cover.

Cover

The cover can be rinsed with a hose when dirty. A dirty cover will inhibit the fast flow of grass clippings into the cover. Do not leave grass or leaves in the cart for a long period of time.

Wheels

Lubricate the wheel assembly before using the cart and as necessary thereafter. A grease fitting is located at swivel base. Use SAI multi-purpose type grease.

Tires

The tire pressure should be 30 psi.

OPERATION

WARNING

For safety reasons grass and debris are to be removed only after engine is shut off, key removed, and all moving parts stopped.

WARNING

Before raising cover, shut off engine, remove key, and set parking brake.

CAUTION

Weight limit in cart is 400 lbs.

Before Operation

Clear the lawn of all sticks, stones, wire and other debris which may be caught or thrown by the mower blades.

Clean the tube with mild detergent (other products may damage tube). The flow of grass can be seen through the tube while mowing.

Check grass condition. If wet, wait until later in the day. If grass is wet, plugging may occur.

For efficient bagging, air circulation under the mower deck, through the chute and into the bag is very important. For this reason, you should remove grass and debris from underside of mower deck, discharge chute and cover.

The blower, tube and elbow can be removed for cleaning.

Operation

Grass should be cut often, and not too short. If grass is too long or lush it may be necessary to keep ground speed to a minimum or to cut only half the width to prevent clogging. If grass is high, operate with mower in high cutting position. Cut the grass again in lower cutting position, if desired.

The collector is full when grass builds at the window.

Always operate with throttle at full speed.

Dumping Grass and Leaves

1. Back the tractor to the desired place for unloading. Shut the tractor's engine off before getting off the tractor's seat.
2. Unhook the strap from the door lock and raise the cover assembly to the open position. Lock the cover in place by hooking the strap to the locking tab (figure 18). Also see figure 19.

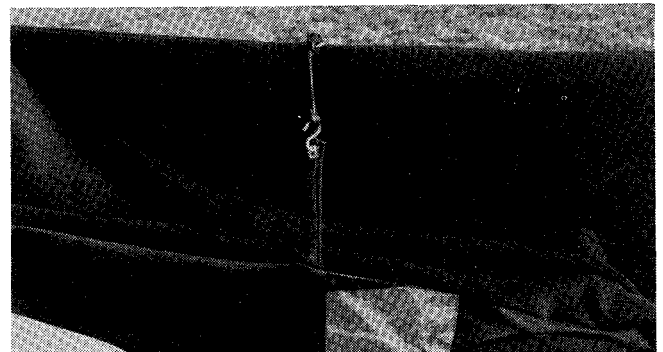


Figure 18.



Figure 19.

3. Move the latch handle to the unlock position and dump the cart's box using one of the front lift handles. The connecting sleeve will slide off the discharge chute and the cart's box will dump at a 90° angle for quick unloading.
4. If bagging the grass clippings is desired, the grass can be pulled from the cart at the curve side into a plastic lawn bag. Also, the grass can be dumped onto a tarp for throwing into a trailer.

Operating Without Collection System



WARNING

To operate without the collection system, the blower assembly must be removed, and the deflector must be in down position.



WARNING

The deflector is spring loaded. When removing blower, hold deflector up. Then allow deflector to go down into normal operating position (figure 20).

Unhook the cart from the tractor by removing two pins and clips. To remove the blower, remove belt from pulley (A, figure 21), then close cover (D) and tighten knob. Loosen wing nut (B) and, while holding deflector (C) up, pull blower off mower. Then, allow deflector to go down into position shown in figure 20.

NOTE

For easier belt removal, later model blowers have a wire loop to move spring-loaded idler pulley.

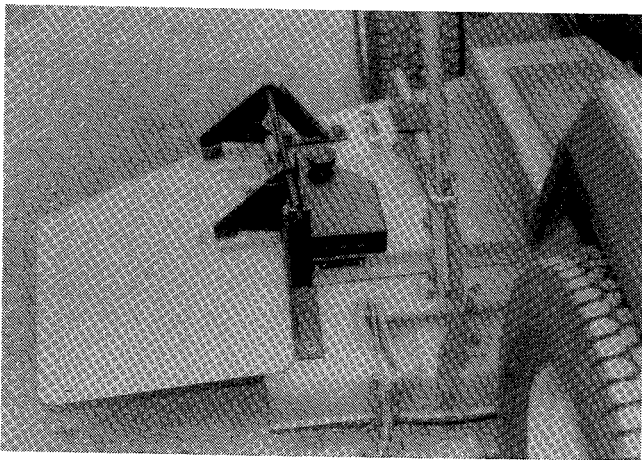


Figure 20.

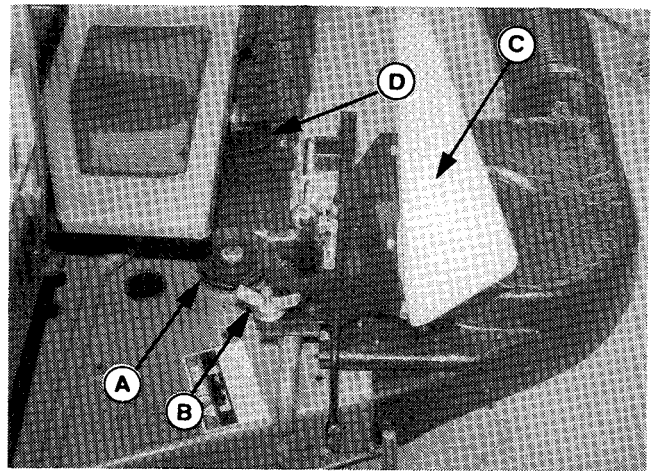


Figure 21.

- A. Pulley
- B. Wing Nut
- C. Deflector
- D. Cover

Reinstallation After Removal

Raise the deflector to slide the blower into position. Tighten the wing nut (B, figure 21). Place the belt onto the pulley (A) and close the cover (D) and tighten knob. Connect cart and chute.

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