Form No. 3362-587 Rev A

Mounting Kit

Model 2670 Debris Blower for Groundsmaster 300 Series Traction Unit to Groundsmaster 3280-D/3320 Traction Unit

Model No. 115–4935

Installation Instructions

Installation

Note: The traction unit must be equipped with the Attachment Frame Kit, Toro Part No. 110–8540 before the Blower Mounting Kit can be installed.

1. Position the machine on a clean, level surface. Lower any implement, stop the engine, apply the parking brake and remove the key from the ignition switch. Remove any implement mounted to the front of the traction unit.
2. Disconnect and remove the PTO guard, female PTO shaft, PTO adapter and any spacers on the blower fan shaft (Figure 1). Retain the PTO adapter for reuse.

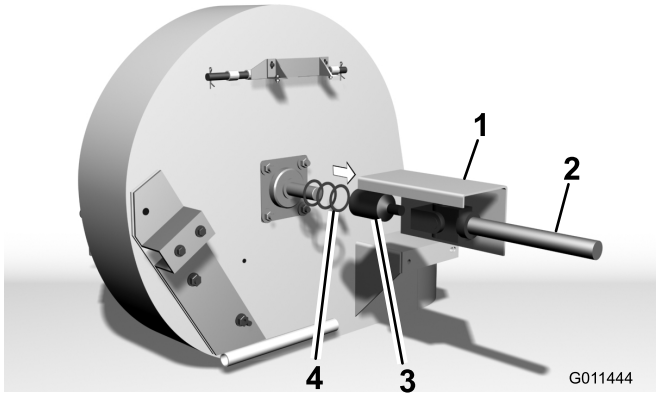


Figure 1

1. PTO guard
2. Female PTO shaft
3. PTO adapter
4. Bushings

3. Remove the hardware securing the lower lift arm bracket to the blower (Figure 2). Discard the bracket and any associated hardware.



Figure 2

1. Lower lift arm bracket

4. Remove and discard the cotter pins, hinge pin and upper mount assembly secured to the blower (Figure 3). Discard the cotter pins, hinge pin and upper mount assembly.

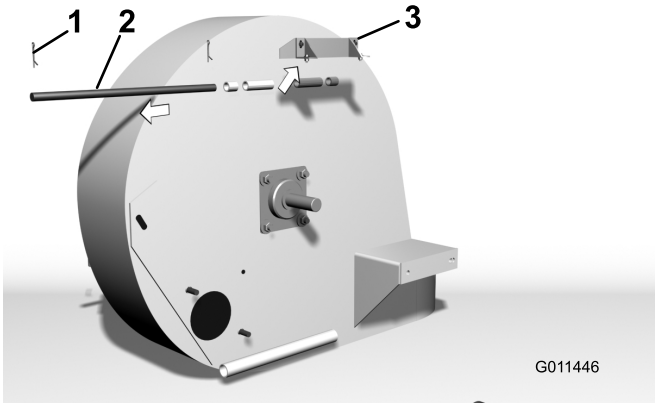


Figure 3

1. Cotter pin
2. Hinge pin
3. Upper mount assembly

5. Remove the counter balance weight from the front of the blower, if so equipped (Figure 4).

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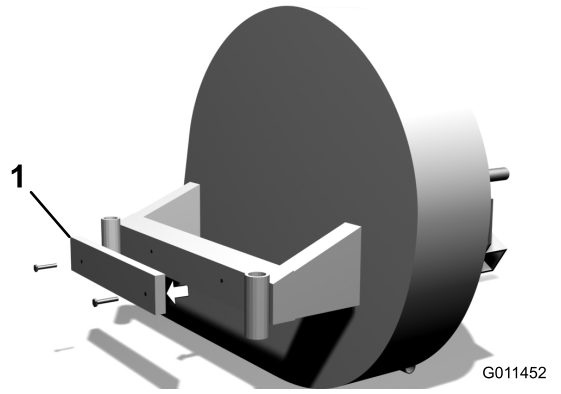


Figure 4

1. Counter balance weight

6. Loosely install the blower pulley bearing mount to the blower housing studs with (2) .563 X .375 flat washers and 1/2 inch lock nuts (Figure 5). The slotted mounting hole in the bearing mount is to be positioned onto the upper stud. Do not tighten the nuts at this time.

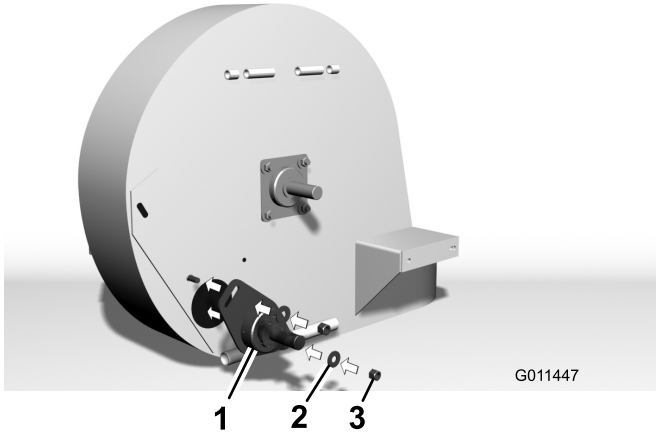


Figure 5

1. Bearing mount
2. Flat washer (2)
3. Lock nut (2)

7. Mount the smaller sheave to the blower pulley shaft with a hub and square key (Figure 6).

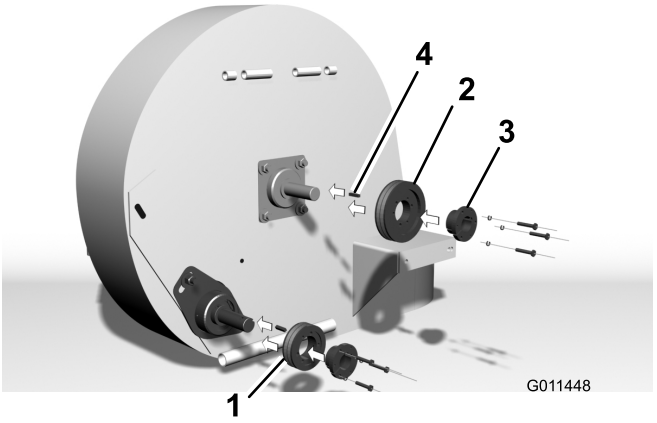


Figure 6

1. Small sheave
2. Large sheave
3. Hub (2)
4. Square key (2)
5. Belt

8. Mount the larger sheave to the blower fan shaft with a hub and square key (Figure 6).
9. Insert the belt onto the pulleys (Figure 7).

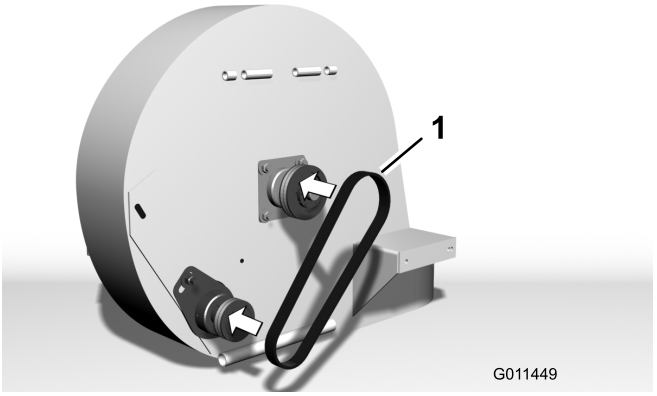


Figure 7

1. Belt

10. Rotate the bearing mount until the proper belt tension is attained. When properly adjusted, the belt will deflect 3/16 inch with 5 pounds of force at the mid point between pulleys (Figure 8). Tighten the bearing mount nuts.



Figure 8

1. Bearing mount

11. Insert the PTO adapter onto the blower pulley shaft until the hole in the adapter lines up with the hole in the shaft (Figure 9).

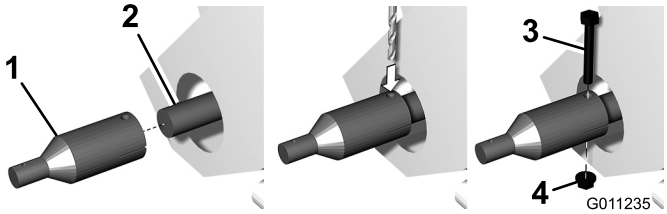


Figure 9

1. PTO adapter
2. Blower pulley shaft
3. Capscrew, 3/8 x 2–1/2 inch
4. Lock nut, 3/8 inch

12. Using the PTO adapter and the hole in the shaft as a guide, drill a .406 inch diameter hole through the other side of the PTO adapter (Figure 9).
13. Secure the PTO adapter to the pulley shaft with 3/8 x 2–1/2 inch capscrew and locknut (Figure 9).
14. Install the threaded rod into the blower housing and secure with a 3/8 inch lock washer and jam nut (Figure 10).

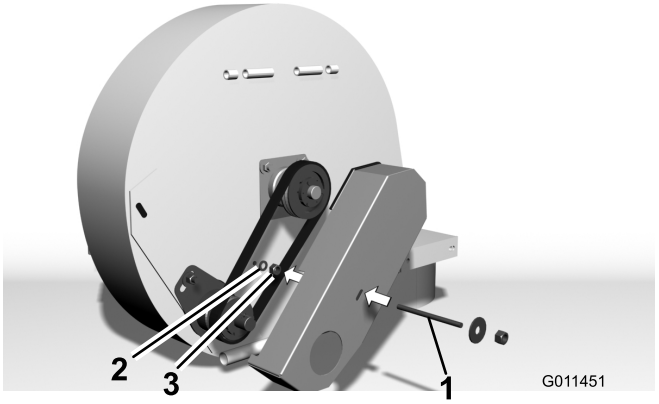


Figure 10

1. Threaded rod
2. Lock washer, 3/8 inch
3. Jam nut, 3/8 inch

15. Insert the belt guard onto the rod and secure with a .438 inch flat washer and 3/8 inch lock nut (Figure 10).
16. Attach the mounting plate assembly to the lower tube of the blower with the lower mounting pin and (2) hair pin cotters (Figure 11).

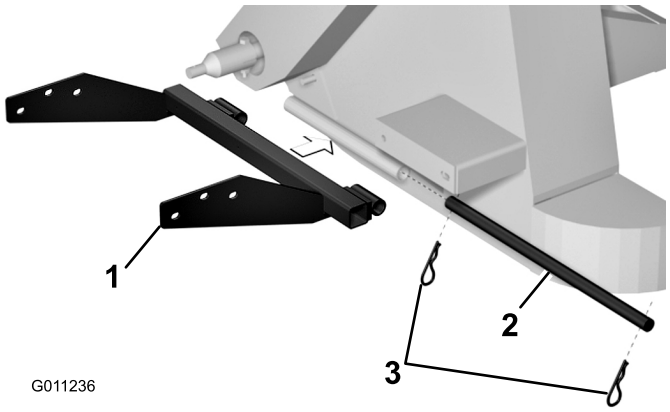


Figure 11

1. Mounting plate assembly
2. Lower mounting pin
3. Hair pin cotter (2)

17. Move the traction unit into position behind the blower while aligning the attachment frame mounting holes with the holes in the mounting plate assembly.
18. With a helper holding the blower upright and level to the traction unit, loosely mount the left side of the attachment frame to the left side of the mounting plate assembly with (3) 7/16 x 3–1/4 inch capscrews, (6) .469 inch washers and (3) lock nuts positioning as shown in Figure 12.

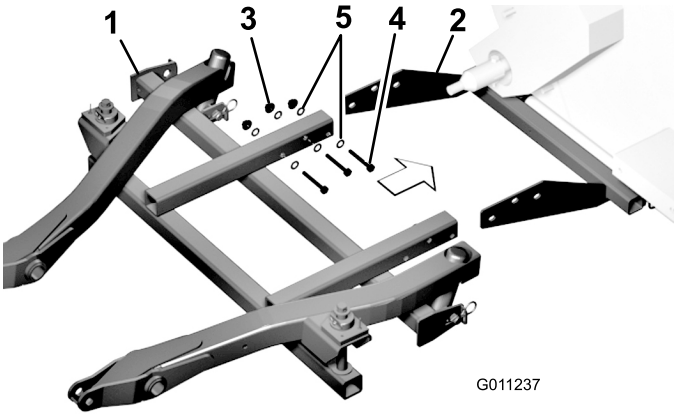


Figure 12

1. Attachment frame
2. Mounting plate assembly
3. Lock nut, 7/16 inch (3)
4. Capscrew, 7/16 x 3–1/4 inch capscrews (3)
5. Washer, .469 inch (6)

19. Loosely mount the bracket and the right side of the attachment frame to the right side of the mounting

plate assembly with (3) 7/16 x 3–1/4 inch capscrews, (6) washers and (3) lock nuts positioning as shown in Figure 13.

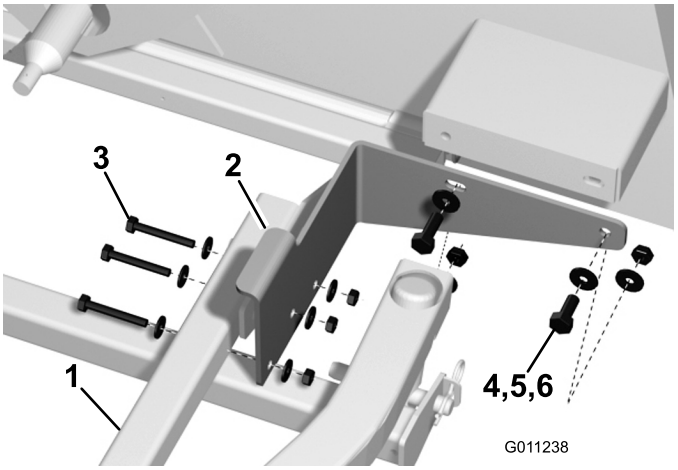


Figure 13

1. Attachment frame
2. Mounting plate assembly
3. Capscrew, 7/16 x 3–1/4 inch capscrews (3)
4. Capscrew, 1/2 x 1–1/2 inch capscrews (2)
5. Washer, .563 inch . (2)
6. Lock nut, 1/2 inch (2)

20. Loosely mount the bracket to the blower with (2) 1/2 x 1–1/2 inch capscrews, (4) .563 inch washers and 1/2 inch (Figure 13).
21. Square the blower to the traction unit both front to back and side to side, then, tighten all fasteners.
22. Remove the existing male PTO shaft (if so equipped) from the traction unit.
23. Apply grease to the new PTO shaft and insert it into the traction unit PTO shaft.
24. Insert the other end of the PTO shaft onto the PTO adapter. Make sure to align the holes in the PTO shaft with the hole in the PTO adapter (Figure 14).
25. Attach the PTO shaft to the adapter with a 3/16 x 1–1/2 inch roll pin. Also, secure the PTO shaft to the adapter with (2) 5/16 x 1–1/2 inch capscrews and lock nuts (Figure 14).

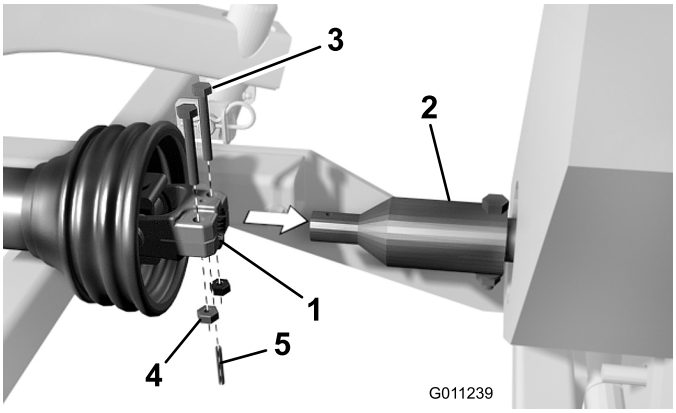


Figure 14

1. PTO shaft
2. PTO adapter
3. Capscrew, 5/16 x 1–1/2 inch (2)
4. Nut, 5/16 inch
5. Roll pin

26. Mount the PTO guard to the blower mounting plate tube with (2) 1/4 x 1/2 inch washer head screws (Figure 15).

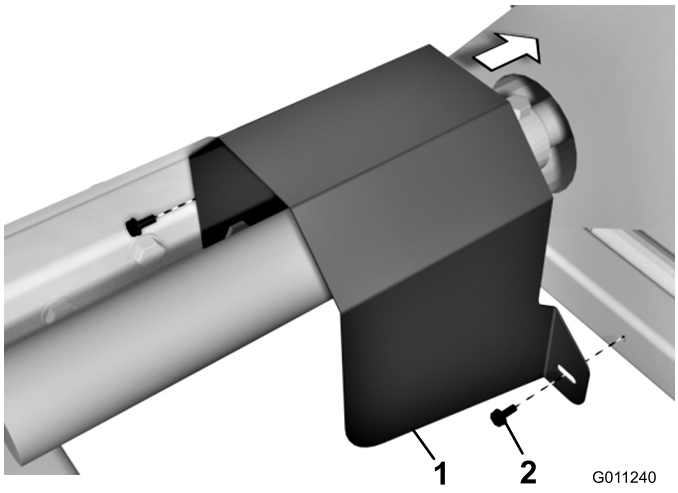


Figure 15

1. Guard
2. Washer head screw, 1/4 x 1/2 inch (2)