Form No. 3370-390 Rev A

Rear Roller Kit

for ProCore SR54/SR54-S/SR70/SR70-S Aerators

Model No. 09952

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Installation Instructions

Installation

1. Using a roller bracket plate, (2) 1/2 x 1–1/2 inch capscrews and lock nuts, loosely install a roller bracket to the vertical frame tube on each end of the aerator (Figure 1). The roller brackets must point away from the aerator.
2. Center the roller bracket between the shroud and the bottom of the frame and tighten the lock nuts (Figure 1).

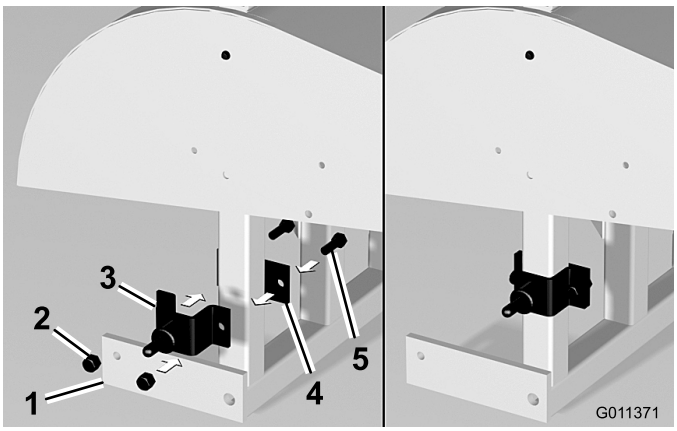


Figure 1

1. Aerator frame
2. Locknuts
3. Roller bracket
4. Roller bracket plate
5. Capscrews

Steps 3 and 4 are for models 09921, 09922, 09924 and 09925.

3. On each end of the aerator, remove the upper capscrew, lockwasher and spacer securing the side of the shroud assembly to the vertical frame tube (Figure 2). Discard the capscrews but retain the washers and spacers for re-use.

   Note: The spacer is located between the shroud and the frame tube.

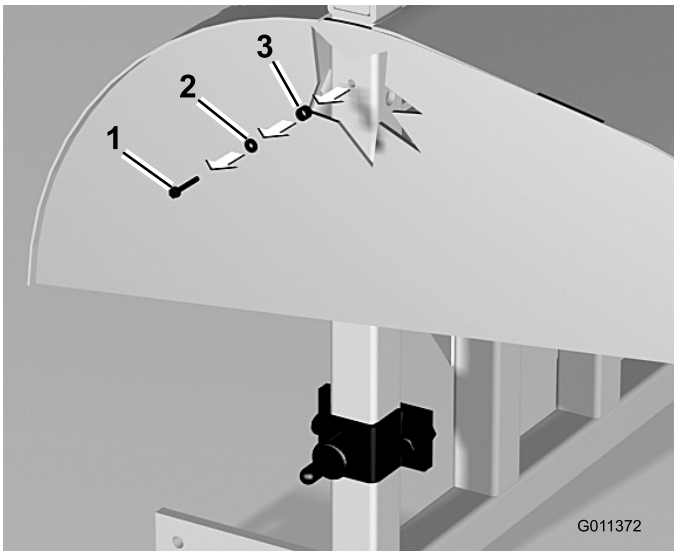


Figure 2

1. Upper capscrew
2. Lockwasher
3. Spacer

4. Using the lockwashers and spacers removed in the previous step and the new 3/8 x 4–1/2 inch capscrews, install a long spring post to each end of the aerator (Figure 3). Position the long spring post so the two grooves are away from the shield.

   Note: Make sure the spacer is installed between the shroud and the frame tube and use the spring posts with a 3/8 inch diameter hole.

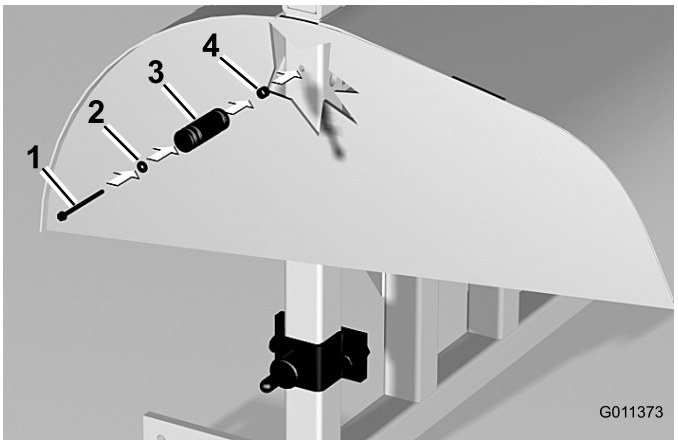


Figure 3

1. Capscrew
2. Lockwasher
3. Long spring post, 3/8 inch diameter hole
4. Spacer

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Steps 5 and 6 are for models 09931, 09932, 09933 and 09934.

5. On each end of the aerator, remove the upper capscrew and lockwasher securing the side of the shroud assembly to the vertical frame tube (Figure 4). Discard the capscrews and washers.

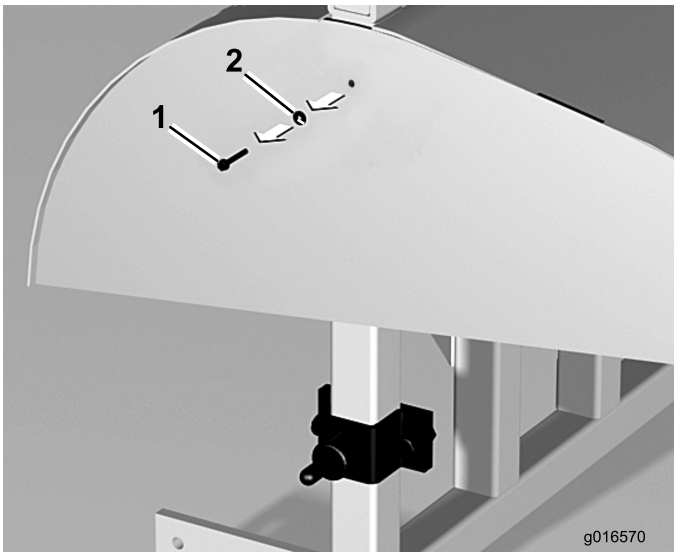


Figure 4

1. Upper capscrew
2. Lockwasher

6. Using the new 1/2 x 4–1/2 inch capscrews and lockwashers, install a long spring post to each end of the aerator (Figure 5). Position the long spring post so the two grooves are away from the shield.

   Note: Make sure to use the spring posts with a 1/2 inch diameter hole.

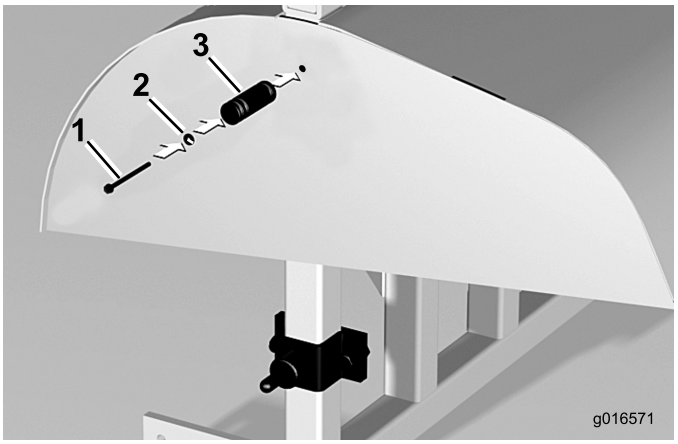


Figure 5

1. Capscrew
2. Lockwasher
3. Long spring post, 1/2 inch diameter hole

7. Mount (2) short spring posts to the front end of each roller channel with a capscrew and lock nut. Position the spring posts with the double grooves toward the channel as shown in Figure 6.

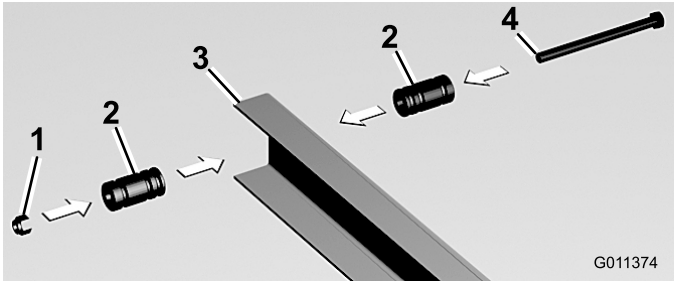


Figure 6

1. Lock nut
2. Short spring post (2)
3. Roller channel
4. Capscrew

8. Mount a roller channel to each roller bracket with a large washer and 5/8 inch lock nut (Figure 7). Install the roller channel so the spring posts are to the front of the aerator.

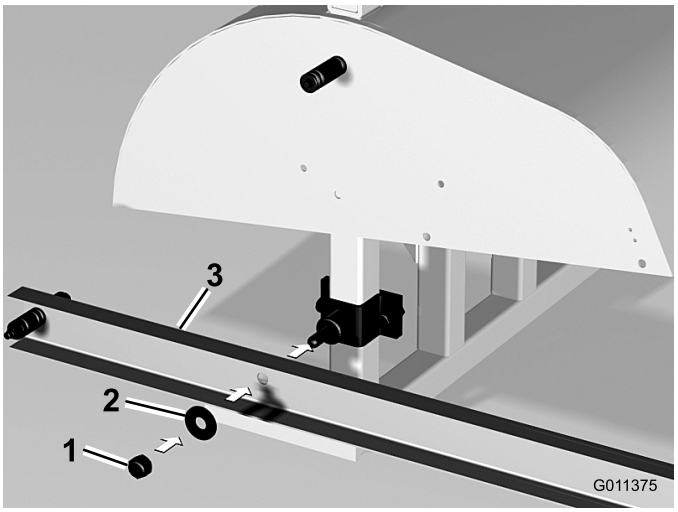


Figure 7

1. Nut
2. Large washer
3. Roller channel

9. Insert a spacer and a bearing pillow block onto each end of the roller (Figure 8). Also, install a nut onto each end. Tighten the nuts and then tighten the bearing set screws.

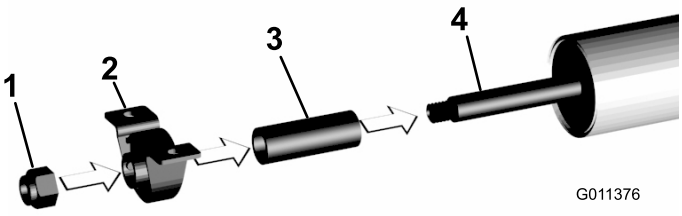


Figure 8

1. Nut
2. Bearing pillow block
3. Spacer
4. Roller

10. Position the roller/pillow block assembly under the rear of the roller channels (Figure 9).
11. Loosely mount a pillow block to each roller channel with (2) capscrews, small washers and lock nuts (Figure 9).

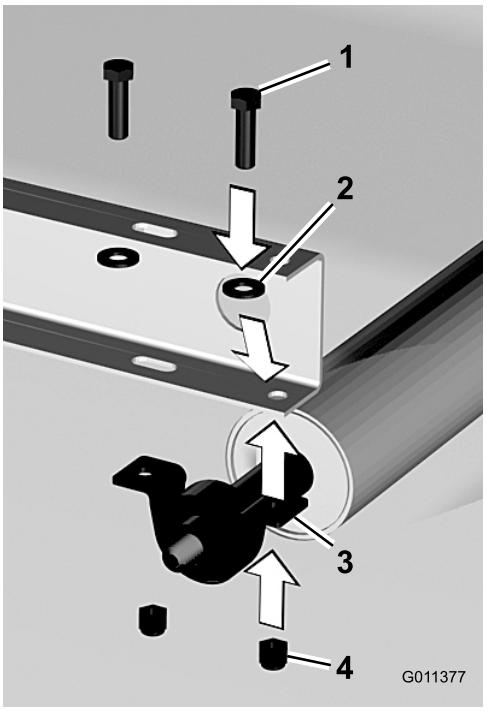


Figure 9

1. Capscrew
2. Washer
3. Pillow block
4. Nut

12. Loosely mount the roller support bracket to each roller channel with (2) capscrews, small washers and lock nuts (Figure 10).

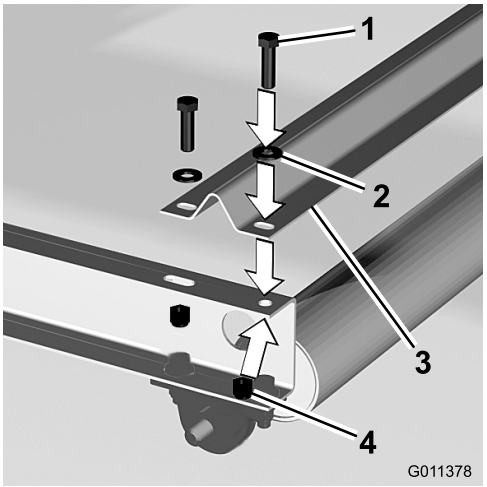


Figure 10

1. Capscrew
2. Washer
3. Roller support bracket
4. Nut

13. Tighten the lock nuts securing the pillow blocks and roller support bracket to the roller channel.
14. On each end of the aerator, install a hook spring assembly as follows:
    - Hook two of the spring wires onto the long spring post (Figure 11).
    - Insert the spring onto the installed spring wires until the wire ends hook onto the spring (Figure 11).
    - Hook the other spring wire onto the short spring post while inserting it through and hooking the ends on the spring (Figure 11). Do not cross the wires during installation.

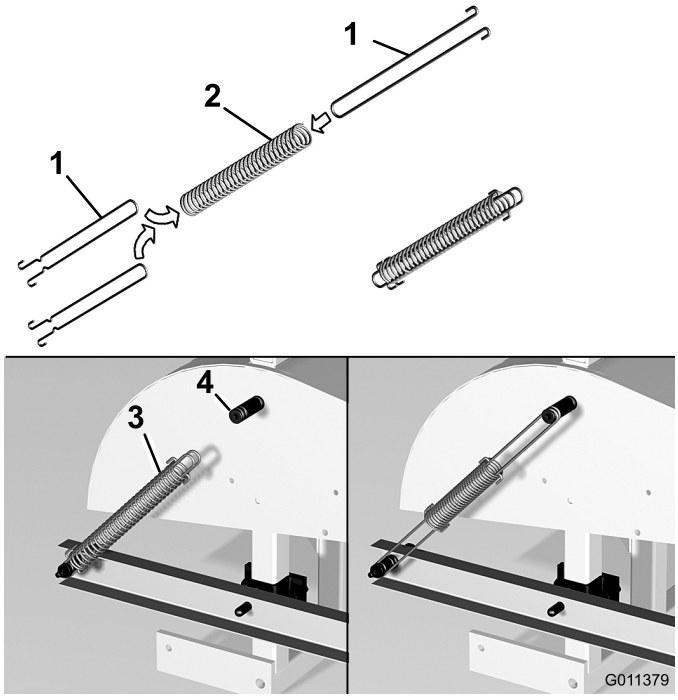


Figure 11

1. Spring wire (2)
2. Spring
3. Spring assembly
4. Spring post (long)
5. Spring wire (1)

15. Adjust the spring tension by moving the roller brackets (Figure 12) up on the frame tubes will decrease the roller pressure on the turf. Lowering the roller brackets will increase the roller pressure. Make sure to adjust the brackets equally.

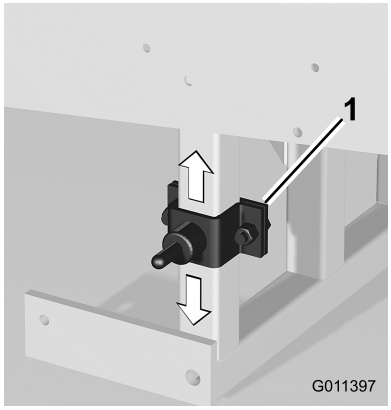


Figure 12

1. Roller bracket