1. Assemble bearings (Ref. 5) into hitch tubes (Ref. 3) so that bearing flange is against outside of hitch tube. You may need to place a block of wood against bearing and carefully tap with a hammer.

2. Place hitch tubes (Ref. 3) onto both ends of roller shaft. Assemble a flat washer (Ref. 6) onto each end of roller shaft and secure with two cotter pins (Ref. 12). **Do not tighten yet.**

3. Assemble scraper bar (Ref. 2) to hitch tubes (Ref. 3) using two hex bolts (Ref. 9), spacers (Ref. 15), and hex lock nuts (Ref. 10). **Do not tighten yet.**

4. Assemble ends of hitch tubes (Ref. 3) together using two hex bolts (Ref. 7) and hex lock nuts (Ref. 10). **Do not tighten yet.**

5. Assemble hitch brackets (Ref. 4) to hitch tubes (Ref. 3) using two hex bolts (Ref. 8) and hex lock nuts (Ref. 10). **Do not tighten yet.**

6. **Tighten** bolts and nuts starting with scraper bar (Ref. 2), then ends of hitch tubes (Ref. 3), and finally hitch brackets (Ref. 4).

7. Install hitch pin (Ref. 13) through hitch brackets (Ref. 4) and secure with hair cotter pin (Ref. 14).

8. Adjust plug (Ref. 11) size by twisting handle. Lock a plug in each end of roller drum by flipping handle down.

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**Plug Adjustment**

Instructions for tightening plug

- Pull plug firmly in opposing directions
- Twist ring counter-clockwise to tighten

**NOTE:** If the outer washer is not functioning properly, use a pair of needle nose pliers to ensure that it is free.

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Ref. No. | Part No. | Qty. | Description                                      | Ref. No. | Part No. | Qty. | Description
---|---|---|---|---|---|---|---
1 | 24867 | 1 | Scraper Bar                                      | 8 | 43224 | 2 | Hex Bolt, 5/16-18 x 2-1/4"  
2 | 48361 | 2 | Hitch Tube                                      | 9 | 43084 | 2 | Hex Bolt, 5/16-18 x 1-3/4"  
3 | 24192 | 2 | Hitch Bracket                                   | 10 | 47810 | 6 | Hex Lock Nut, 5/16-18  
4 | 43632 | 2 | Bearing, Plastic                                | 11 | 49467 | 2 | Plug, Lawn Roller  
5 | 43528 | 2 | Flat Washer, 1"                                  | 12 | 43501 | 2 | Cotter Pin, 5/32" x 1-1/2"  
6 | 46782 | 2 | Hex Bolt, 5/16-18 x 3"                           | 13 | 47623 | 1 | Hitch Pin  
7 | 23625 | 2 | Spacer                                          | 14 | 43343 | 1 | Hair Cotter Pin 1/8"  
8 | 43224 | 2 | Hex Bolt, 5/16-18 x 2-1/4"  
9 | 43084 | 2 | Hex Bolt, 5/16-18 x 1-3/4"  
10 | 47810 | 6 | Hex Lock Nut, 5/16-18  
11 | 49467 | 2 | Plug, Lawn Roller  
12 | 43501 | 2 | Cotter Pin, 5/32" x 1-1/2"  
13 | 47623 | 1 | Hitch Pin  
14 | 43343 | 1 | Hair Cotter Pin 1/8"  
15 | 23625 | 2 | Spacer