

Secondary Scraper



Read and understand equipment operators manual before operating or performing maintenance. Failure to do so could result in serious injury or death.

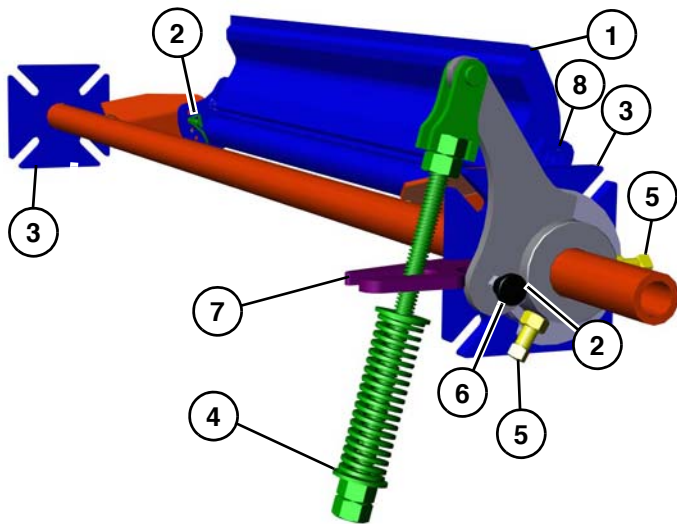
⚠ WARNING

Heed to the following warnings. Failure to do so could result in death or serious injury.

- Lockout/Tagout/Blockout before performing maintenance or installation.

Overview

Figure 1



Refer to (Figure 1), (Figure 1) and description below:

1. Belts Scraper
2. Pins
3. Scraper Brackets
4. Tensioner Spring
5. Set Screws
6. Spring Plunger
7. Fork
8. Blade Extrude

Installation

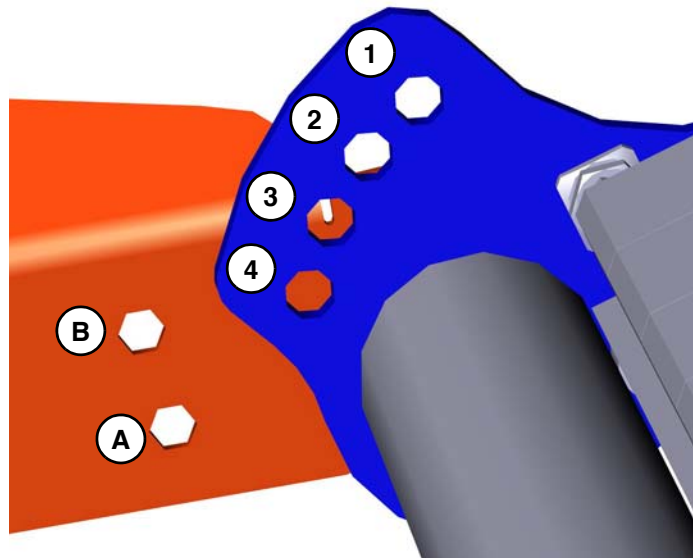
Figure 2



1. Measure from belt to center of conveyor bracket.

Note: Center of mounting hole should be approximately 6" in front of where desired scraper blade to belt contact area.

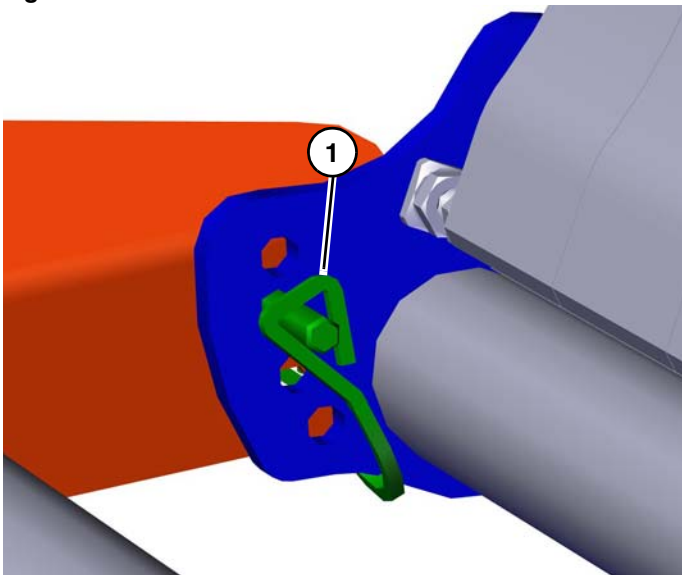
Figure 3



2. Match measurement from belt to center of bracket with chart below.
 - A and B (Figure 3) represent arm position.
 - 1,2,3 and 4 (Figure 3) represent weldment position.

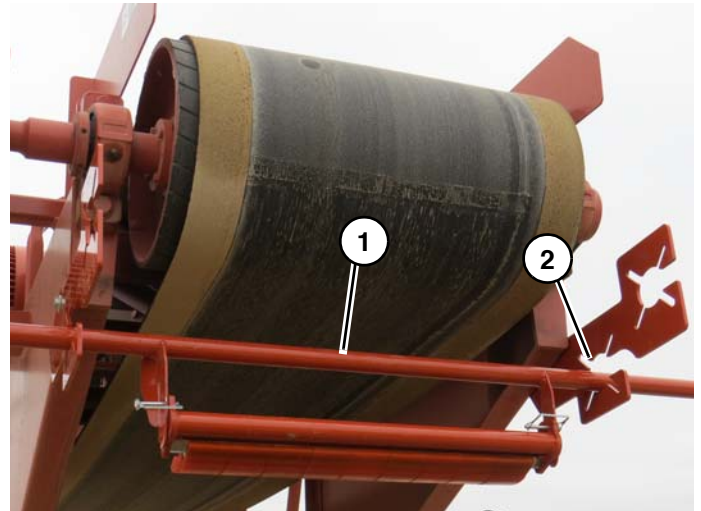
| Vertical Distance From Bottom of belt to center of pole | Arm Position | Weldment Position |
|---|--------------|-------------------|
| 2 1/8 | B | 1 |
| 2 7/8 | B | 1 |
| 2 7/8 | B | 2 |
| 3 3/4 | A | 1 |
| 4 1/2 | B | 3 |
| 5 1/4 | A | 2 |
| 6 | B | 4 |
| 6 3/4 | A | 3 |
| 7 3/4 | A | 4 |
| 8 3/8 | | |

Figure 4



3. Place pin (1) (Figure 4) into desired weldment and arm position.

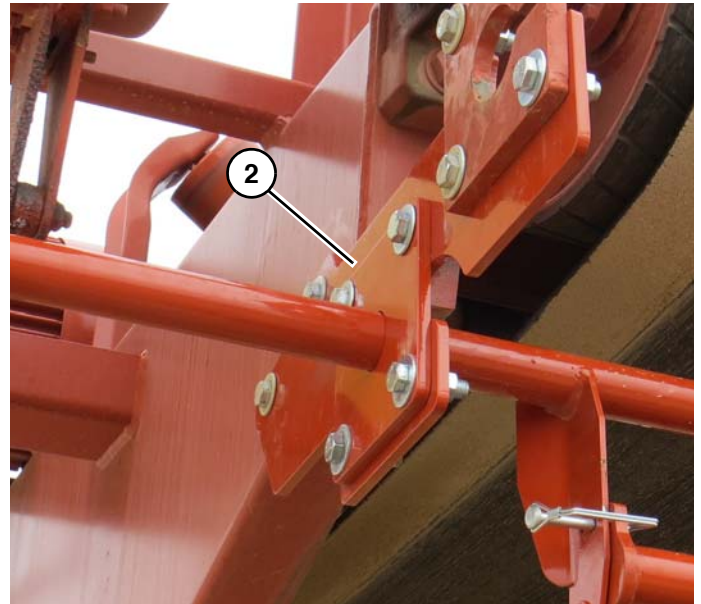
Figure 5



4. Set secondary (1) scraper into brackets (2) (Figure 5).

Note: 42 inch belt and above have two tensioners.

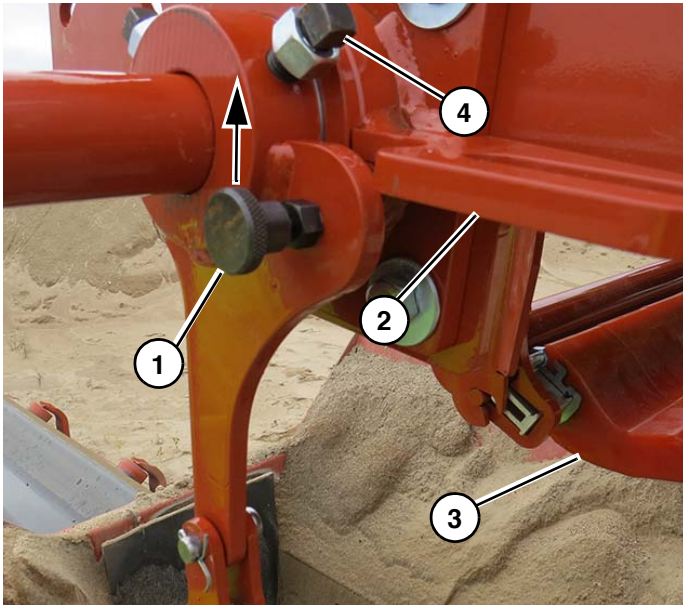
Figure 6



5. Install bracket and tensioner bracket (1) (Figure 6) onto secondary scrapers, bolt and tighten.

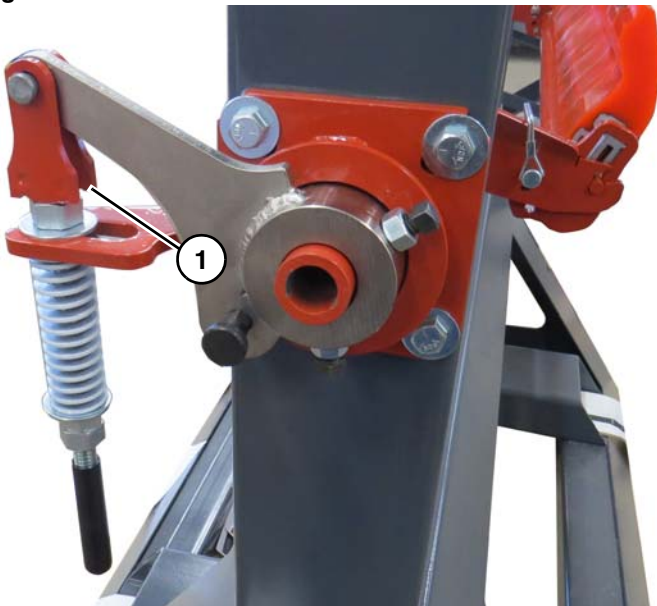
6. Center scraper so it is even on belt.

Figure 7



7. Pull spring plunger (1) and move up until even with fork (2) (Figure 7).
8. Push blade (3) (Figure 7) tight with belt.
9. Tighten set screws (4) (Figure 7).

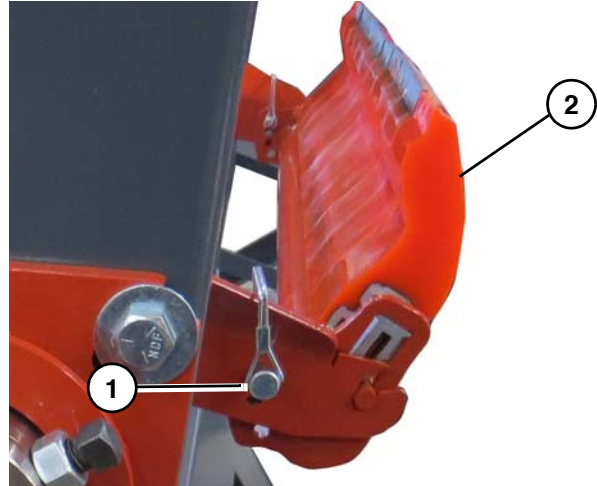
Figure 8



10. Set tensioner (1) (Figure 8) into place.
11. Tighten adjustment nut on tension rod to recommended tension settings.
12. Verify tungsten blade is slightly less than 90° from belt.

Replacing Blade

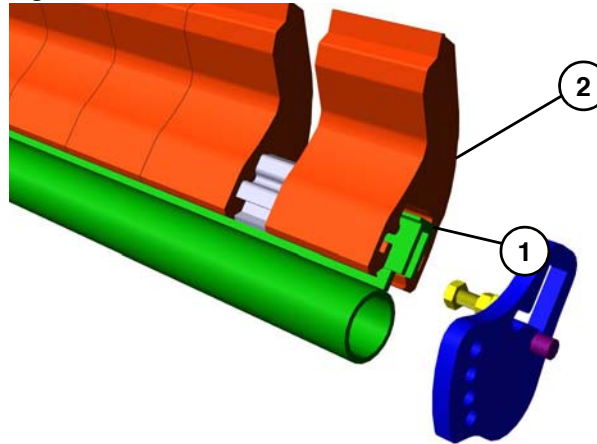
Figure 9



Follow Instructions below to replace blade:

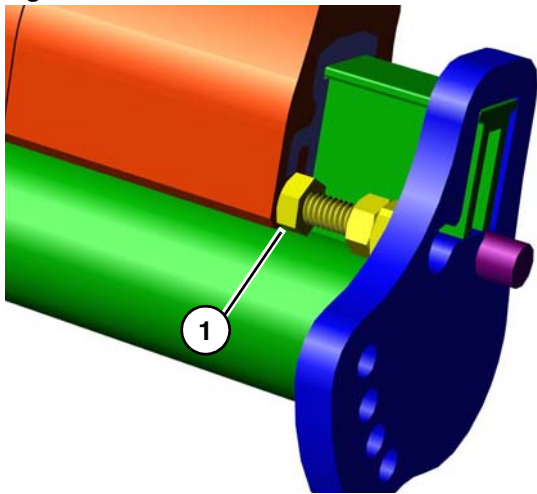
1. Loosen tension off spring.
 2. Support blade and pull spring plunger out.
 3. Allow blade to rotate down.
 4. Remove blade pins (1) (Figure 9)
- Note: Remember pin location.
5. Remove cartridge (2) (Figure 9).

Figure 10



6. Slide blade extrude until it can be lifted upward. (1) (Figure 10).
7. Slide worn blades (2) (Figure 10) off cartridge.
8. Slide new blades onto blade extrude.
9. Reinstall blade extrude and blades on cartridge.

Figure 11



10. Tighten end attachment bolt (3) (Figure 10) until blades are tight and secure.
11. Install cartridge back onto tensioner in previous pin location.

Belt Cleaner Tension Settings

Tensions are designed to be set for life of blade.

Figure 12

| Blade Length in (mm) | Qty of Tensioner | "X" Dim New Blade in (mm) |
|----------------------|------------------|---------------------------|
| 15 (381) | 1 | 4 (101.6) |
| 21 (533.4) | 1 | 3.75 (95.25) |
| 27 (685.8) | 1 | 3.5 (88.9) |
| 33 (838.2) | 1 | 3 (76.2) |
| 39 (990.6) | 1 | 4 (101.6) |
| 45 (1143) | 1 | 3.75 (95.25) |
| 51 (1295.4) | 1 | 3.75 (95.25) |
| 57 (1447.8) | 1 | 3.5 (88.9) |
| 69 (1752.6) | 1 | 3.25 (82.55) |

Note: Tension settings may vary by application.

Specifications

Fits Belt Widths: 18in - 72in (457mm - 1829mm)

Pole Length: 48in - 114in (1219mm - 2896mm)

Tensioner Quantity: 1 or 2