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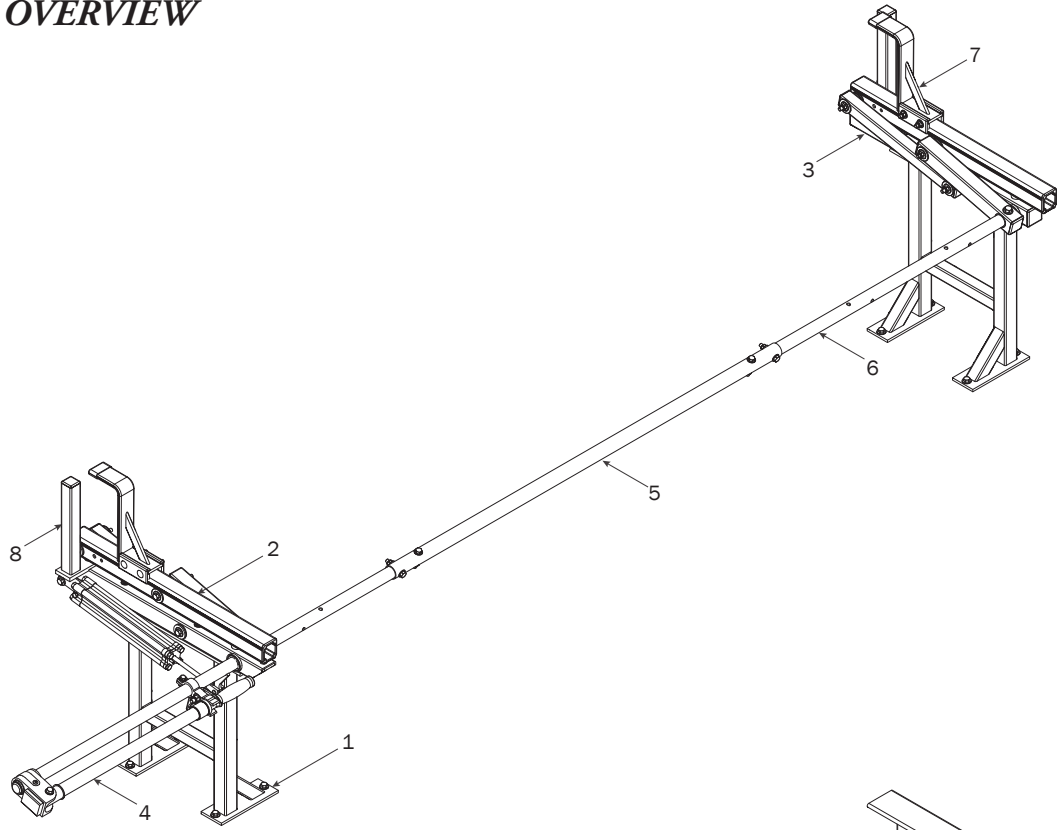
UXR 6100-1

UXR-001-E ASSEMBLY INSTRUCTIONS–PACKAGING CONTENTS

CONTENTS OVERVIEW

1—Utility Base Standing Mount............................ (Qty 2)
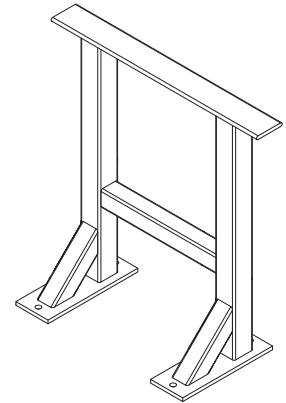
2—Rear Rotation Assembly................................. (Qty 1)
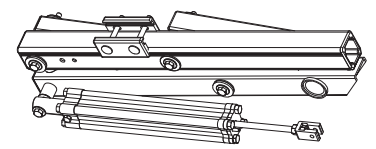
3—Front Rotation Assembly................................ (Qty 1)
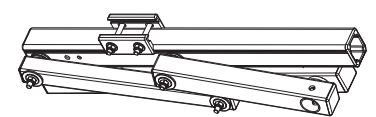
4—Rear Drive Shaft.. (Qty 1)
   Right Hand, B4 Version, 50.00"
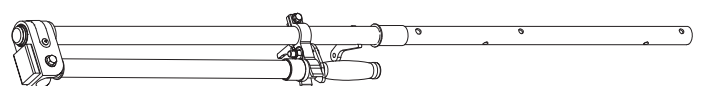
5—Connecting Bar... (Qty 1)
   48.00"
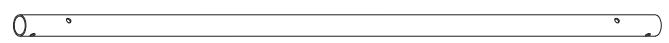
6—Front Drive Shaft .... (Qty 1)
   B Version, 35.75"
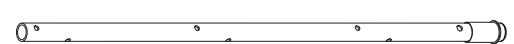
7—Z Post .... (Qty 2)
  Adjustable, 7.25"
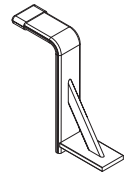
8—L Post .... (Qty 2)
  9.25"
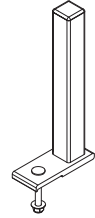
HKT-8163-Rotation Hardware Kit

Clevis Pin (1X)   M8 x 50MM (4X)   ⅜" x 2.25" (2X)
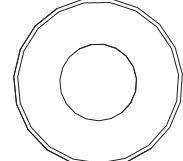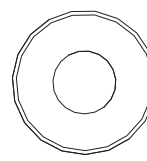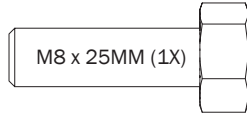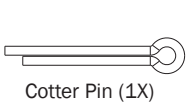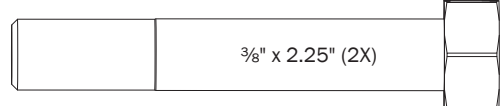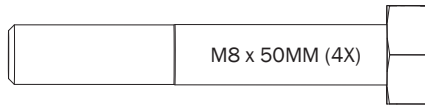
Cotter Pin (1X)   M8 x 25MM (1X)   M8 Lock Nut (5X)   ⅜" Lock Nut (2X)   ⁵⁄₁₆" Flat Washer (10X)   ⅜" Flat Washer (4X)

1.00" Sealing Stickers (16X)   Anti-Seize (1X)

Lubricant (1X)

HKT-0122 Mounting Hardware Kit

Lock Nut (12X)   Lock Washer (4X)   Flat Washer (8X)   M8 x 70MM (4X)
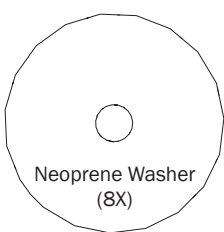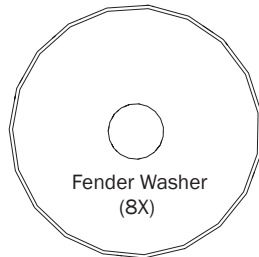
Neoprene Washer (8X)   Fender Washer (8X)   Sealing Washer (8X)   M8 x 35MM (8X)
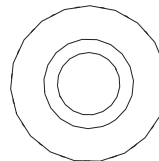
Anti-Seize (1X)

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UTB-2316 MOUNTING BRACKETS
BRACKET PRE-ASSEMBLY

0.1

Drill holes into the Service Body mounting location according to dimensions shown for 8.00 ft rack configuration.

6.00"

96.00"
(Do Not Drill. Shown for reference only.)

98.50"

6.00"

10.50"

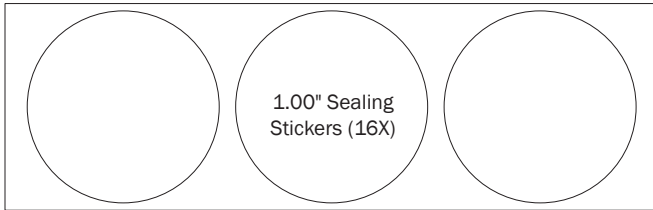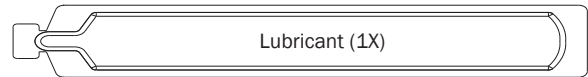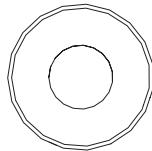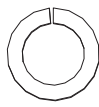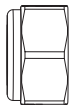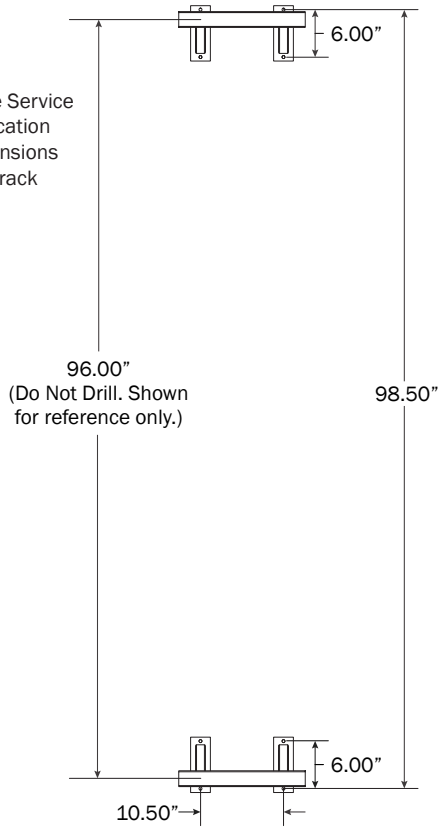**0.2** Dimensions shown below are for 5' (60.00"), 6' (72.00"), and 7' (84.00") spacing.

Dimensions A are measured from center to center of top mounting rail. Dimensions B are measured from outside Bracket Hole to outside Bracket Hole.

Dimensions A

Dimensions B

6.00"

84.00"

86.50"

72.00"

74.50"

60.00"

62.50"

6.00"

10.50"
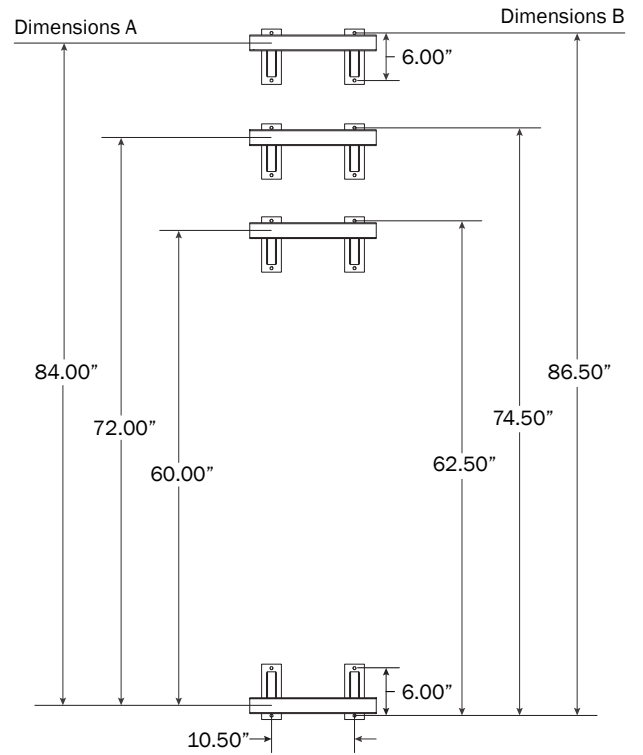
0.3 Apply Anti-Seize compound to Mounting Bracket bolts. The shorter bolt assemblies are on the outside as shown.

Anti-Seize
Must apply Anti-Seize Compound and torque to specified value.

M8 x 35mm Bolt

Sealing Washer

Neoprene Washer

Fender Washer

M8 Lock Nut
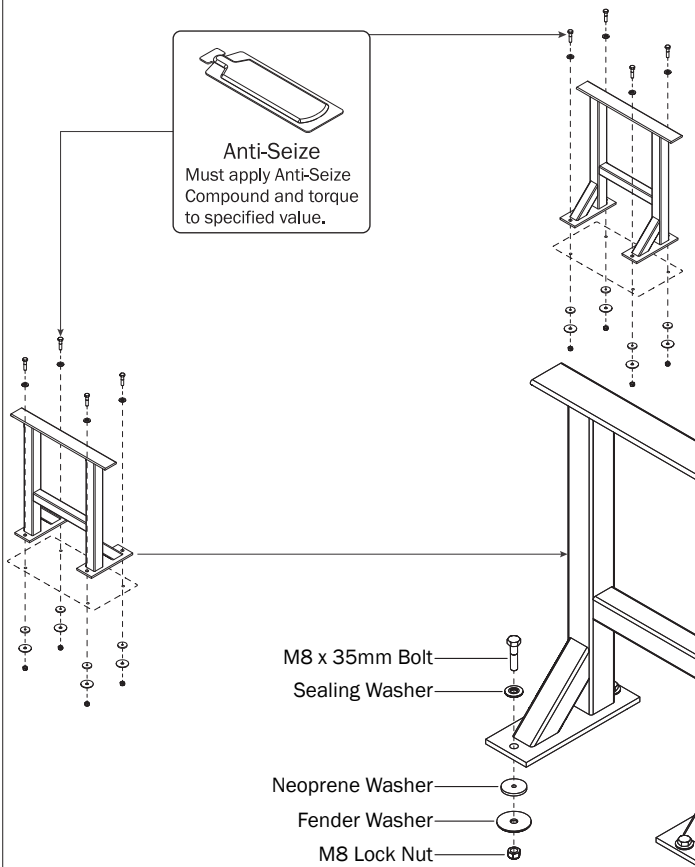
0.4

Torque all Mounting Bracket bolts to 90 in-lbs.
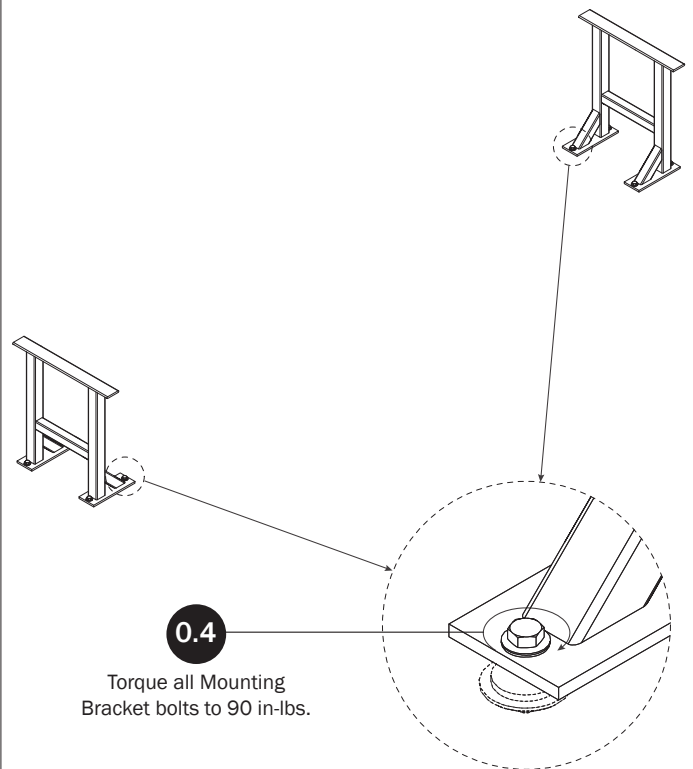
RIGHT ROTATION ASSEMBLY SEQUENCE

Installer's Note: Due to variances between Utility Body manufacturers, the UTB Mounting Bracket's top plate comes undrilled from the factory. After installing the Mounting Brackets, determine the correct positioning of the Rotation Assembly according to your Utility Body, then mark the hole locations on the Mounting Brackets based upon the holes found in the Lowers as shown in Steps 1.1–2.2

REAR ROTATION ASSEMBLY

M8 x 70mm Bolt

1.1

Anti-Seize
Must apply Anti-Seize Compound and torque to specified value.

Drill as required

1.2

Torque to 90 in-lbs.

FRONT ROTATION ASSEMBLY

M8 x 70mm Bolt

2.1

Anti-Seize
Must apply Anti-Seize Compound and torque to specified value.

Drill as required

2.2

Torque to 90 in-lbs.

UXR-001-E ASSEMBLY INSTRUCTIONS–RIGHT SIDE ROTATION

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UXR-001-E ASSEMBLY INSTRUCTIONS–RIGHT SIDE ROTATION

REAR DRIVE SHAFT

3.1

Lubricant
Liberally apply to bushing surface

3.2

⅜" Hardware
Tight fitting bolt. Use a ratchet and ⁹⁄₁₆" socket to thread into Drive Shaft

Anti-Seize
Must apply Anti-Seize Compound and torque to specified value.

3.3
Torque to 90 in-lbs

CYLINDER HARDWARE

Cotter Pin

4.2

4.1

Clevis Pin

CONNECTING BAR

5.1

5.2

M8 x 50MM Hardware
Torque Nut to 90 in-lb.

Anti-Seize
Must apply Anti-Seize Compound and torque to specified value.

FRONT DRIVE SHAFT

6.1

Lubricant
Liberally apply to bushing surface

6.2

⅜" Hardware
Tight fitting bolt. If required, tap lightly with a hammer to drive through.

6.3
Torque to 90 in-lbs

Anti-Seize
Must apply Anti-Seize Compound and torque to specified value.

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CONNECTING BAR FASTENERS

Anti-Seize
Must apply Anti-Seize Compound and torque to specified value.

7

M8 x 50MM
Hardware
Torque Nut to 90 in-lb.

L POSTS

Anti-Seize
Must apply Anti-Seize Compound and torque to specified value.

8.1

8.1

8.2
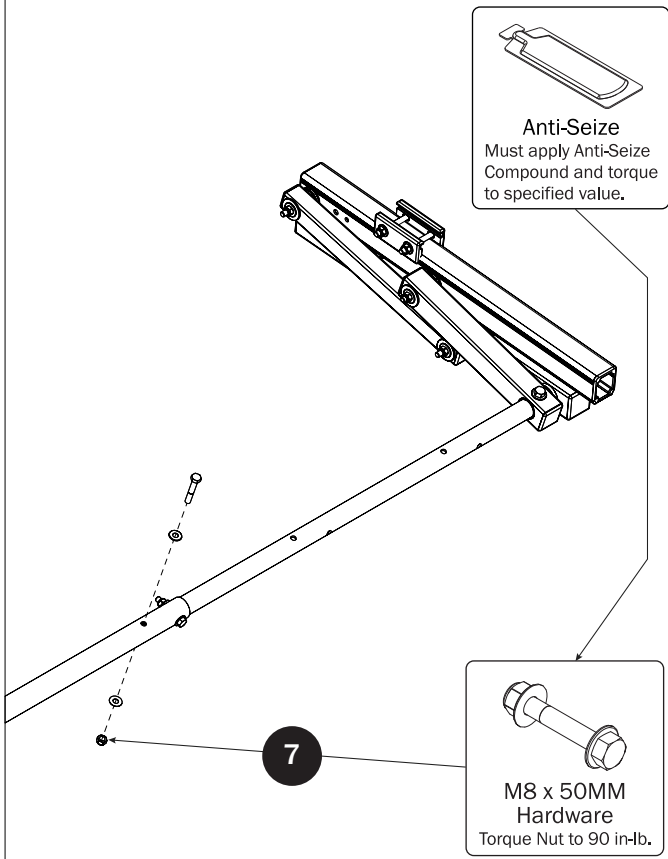
Torque to 90 in-lbs
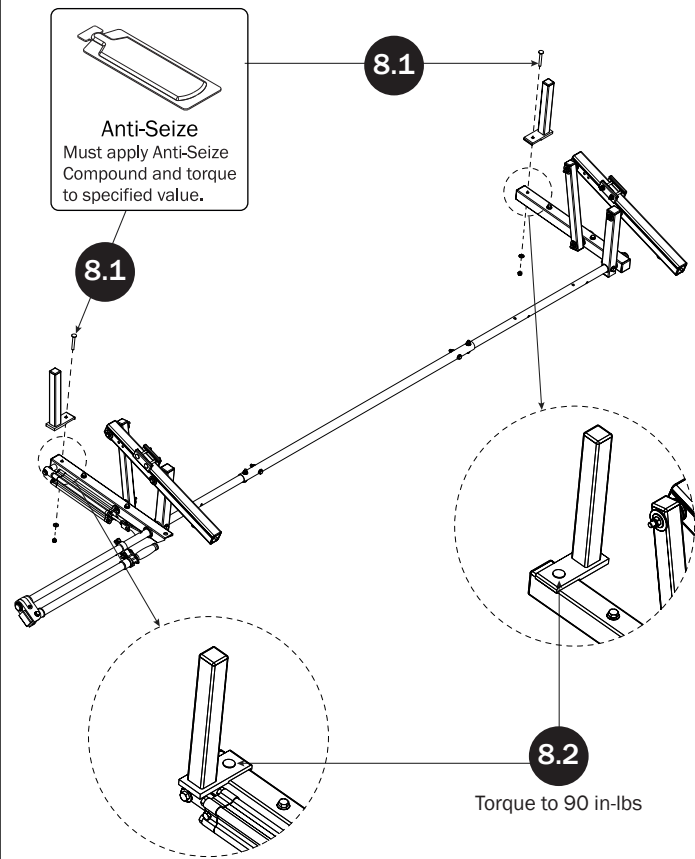
Z POSTS
SEE QUICK START GUIDE FOR ADJUSTMENTS

9.1

9.1

9.2

Torque to 90 in-lbs

DRIVE SHAFT SEALING

10.1

10.2 Apply Silicone Sealant to Connecting Bar ends

Sealing Stickers

UXR-001-E ASSEMBLY INSTRUCTIONS–RIGHT SIDE ROTATION

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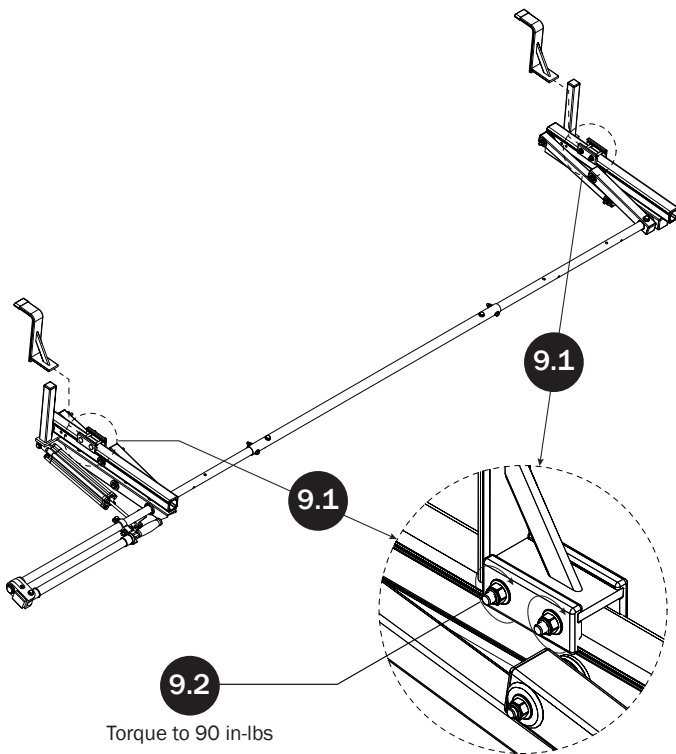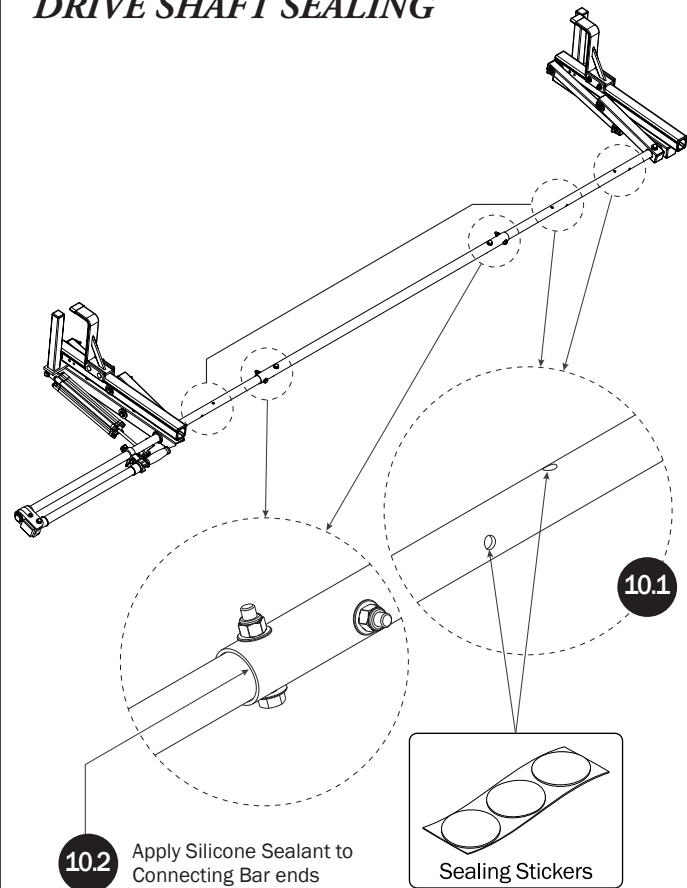
CYLINDER ADJUSTMENT
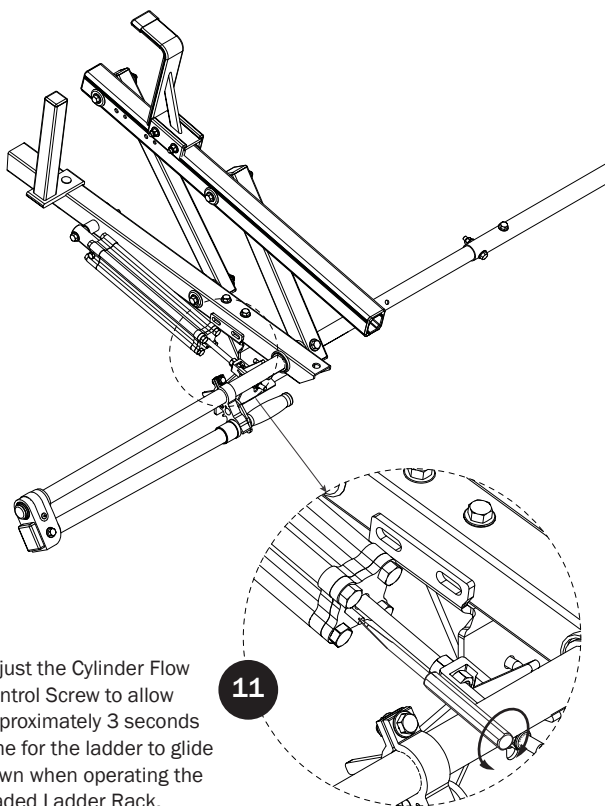
Adjust the Cylinder Flow Control Screw to allow approximately 3 seconds time for the ladder to glide down when operating the loaded Ladder Rack.

11

USAM-UXR001E-US01 Rev-C 0618