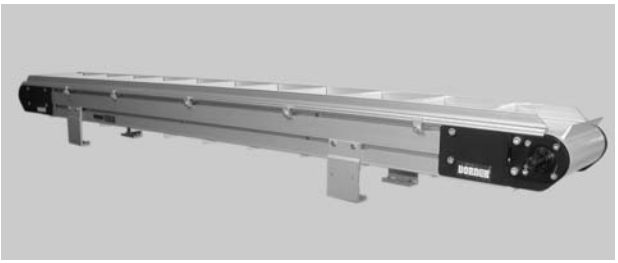
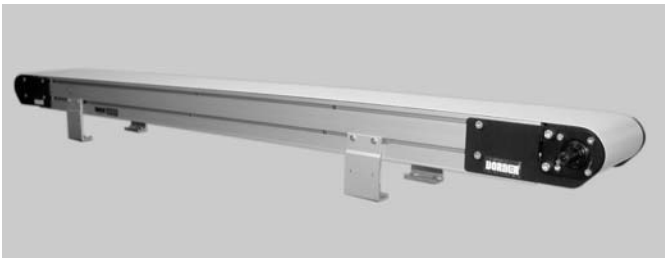
3200 Series End Drive Flat and Cleated Belt Conveyors

Installation, Maintenance & Parts Manual





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851-512 Rev. G

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Introduction

IMPORTANT

Some illustrations may show guards removed.
DO NOT operate equipment without guards.

Upon receipt of shipment:

- Compare shipment with packing slip. Contact factory regarding discrepancies.
- Inspect packages for shipping damage. Contact carrier regarding damage.
- Accessories may be shipped loose. See accessory instructions for installation.

Dorner's Limited Warranty applies.

Dorner 3200 series conveyors are covered by Patent Numbers 5,156,260, 6,871,737B2, 6,910,571B1, 6,971,509B2, and corresponding patents and patent applications in other countries.

Dorner reserves the right to make changes at any time without notice or obligation.

Dorner has convenient, pre–configured kits of Key Service Parts for all conveyor products. These time saving kits are easy to order, designed for fast installation, and guarantee you will have what you need when you need it. Key Parts and Kits are marked in the Service Parts section of this manual with the Performance Parts Kits logo .

Warnings – General Safety

⚠ WARNING

The safety alert symbol, black triangle with white exclamation, is used to alert you to potential personal injury hazards.

⚠ DANGER

Climbing, sitting, walking or riding on conveyor will cause severe injury. KEEP OFF CONVEYORS.

⚠ DANGER

DO NOT OPERATE CONVEYORS IN AN EXPLOSIVE ENVIRONMENT.

⚠ WARNING

Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.

⚠ WARNING

Gearmotors may be HOT.

DO NOT TOUCH Gearmotors.

⚠ WARNING

Dorner cannot control the physical installation and application of conveyors. Taking protective measures is the responsibility of the user.

When conveyors are used in conjunction with other equipment or as part of a multiple conveyor system, CHECK FOR POTENTIAL PINCH POINTS and other mechanical hazards before system start-up.

⚠ WARNING

Loosening stand height or angle adjustment screws may cause conveyor sections to drop down, causing severe injury.

SUPPORT CONVEYOR SECTIONS PRIOR TO LOOSENING STAND HEIGHT OR ANGLE ADJUSTMENT SCREWS.

Product Description

Refer to Figure 1 for typical components.

Typical Components:

A	Conveyor
B	Gearmotor Mounting Package
C	Gearmotor
D	Guiding & Accessories
E	Mounting Brackets
F	Return Rollers
G	Support Stand
H	Variable Speed Controller
I	Drive End
J	Idler/Tension End

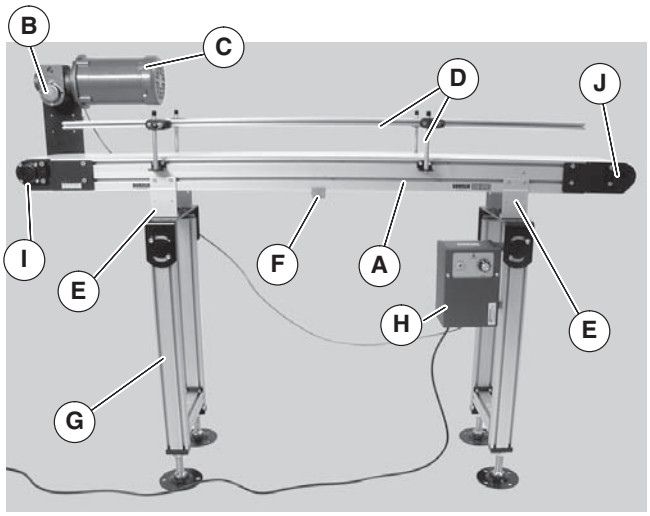


Figure 1

Specifications

Models:

Flat Belt 3200 Series Conveyor

Flat Belt 3200 Series Conveyor

3 1 0 M WW LLLL A PP BB

- **Belt Type***
- **Conveyor Profile***
- **Output Shaft Position***
- **Conveyor Length Reference**
- **Conveyor Width Reference**
- **Document Language, M = English**
- **0 = 3" tails**
- **1 = 1" tails**
- **1 = Flat belt with tracking cams and supports**
- **2 = Flat belt with V-guide tracking and supports**
- **3 = Flat belt with tracking cams**
- **4 = Flat belt with V–guide tracking**

Cleated Belt 3200 Series Conveyor

Cleated Belt 3200 Series Conveyor

3 1 C M WW LLLL A SSSS

- **Cleat Spacing***
- **Output Shaft Position***
- **Conveyor Length Reference**
- **Conveyor Width Reference**
- **Document Language, M = English**
- **Cleat Type***
- **1 = Flat belt with tracking cams and supports**
- **2 = Flat belt with V-guide tracking and supports**
- **3 = Flat belt with tracking cams**
- **4 = Flat belt with V–guide tracking**

* See Ordering and Specifications Catalog for details.

Conveyor Supports:

Maximum Distances:

K = 24” (610 mm) (Drive End)

L = 12 ft (3658 mm)

M = 36” (914 mm) (Idler End)

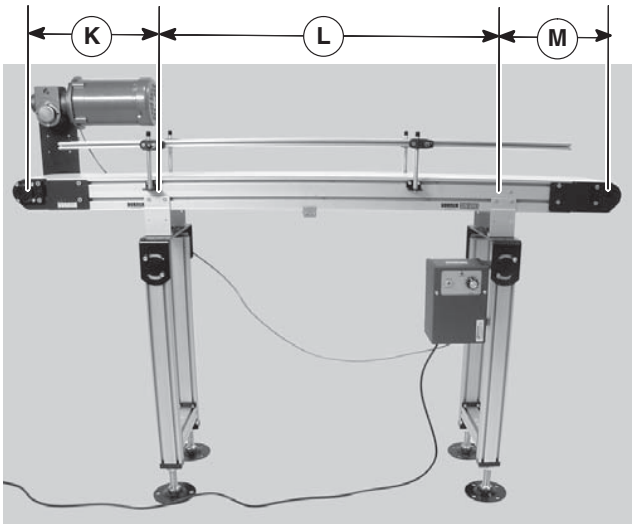


Figure 2

Specifications:

Conveyor Width Reference (WW)	04	06	08	10	12	18	24	30	36	48
Conveyor Belt Width	3.75” (95mm)	6” (152mm)	8” (203mm)	10” (254mm)	12” (305mm)	18” (457mm)	24” (609mm)	30” (762mm)	36” (915mm)	48” (1220mm)
Maximum Conveyor Load* (See NOTE Below)	200 lb (91kg)	250 lb (113kg)	300 lb (136kg)	350 lb (159kg)	400 lb (181kg)	400 lb (181kg)	400 lb (181kg)	400 lb (181kg)	400 lb (181kg)	400 lb (181kg)
Conveyor Startup Torque*	7 in-lb (0.8Nm)	8 in-lb (0.9Nm)	10 in-lb (1.1Nm)	13 in-lb (1.5Nm)	15 in-lb (1.7Nm)	25 in-lb (2.8Nm)	30 in-lb (3.9Nm)	35 in-lb (3.9Nm)	38 in-lb (4.2Nm)	40 in-lb (4.4Nm)
Conveyor Length Reference (LLLL)	0300 to 4000 in 0001 increments									
Conveyor Length	3 ft (914mm) to 40 ft (12192mm) in 0.12” (0.31mm) increments									
Belt Travel	9.7” (246 mm) per revolution of pulley									
Maximum Belt Speed*	421 ft/minute (128 m/minute)									
Belt Takeup	1.62” (41 mm) of Belt Takeup on Conveyors Under 20’ Length 3.24” (82 mm) of Belt Takeup on Conveyors Over 20’ Length									

* See Ordering and Specifications Catalog for details.

NOTE

Maximum conveyor loads based on:

- *Non-accumulating product*
- *Product moving towards gearmotor*
- *Conveyor being mounted horizontal*

NOTE

Conveyor MUST be mounted straight, flat and level within confines of conveyor. Use a level (Figure 3, item N) for setup.

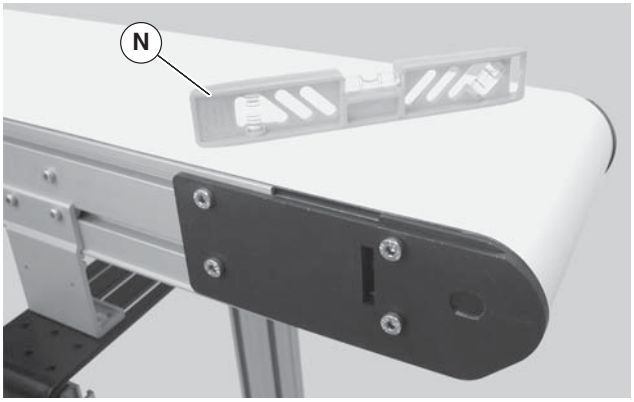


Figure 3

Required Tools

- Hex-key wrenches:
  - 4 mm, 5 mm
- Level
- Torque wrench

Recommended Installation Sequence

- Install support stands (see accessory instructions)
- Assemble conveyor (if required)
- Attach mounting brackets to conveyor
- Attach conveyor to stands
- Install return rollers on conveyor (optional)
- Mount gearmotor mounting package (see accessory instructions)
- Attach guides/accessories (see page 21 through 35 of "Service Parts" section for details)

Conveyors Up to 13 ft (3962 mm)

No assembly is required. Install mounting brackets and return rollers. Refer to "Mounting Brackets" on page 7 and "Return Rollers" on page 8.

Conveyors Longer Than 13 ft (3962 mm)

Installation Component List:

O	Conveyor frame
P	Section Label

1. Locate and arrange conveyor sections by section labels (Figure 4, item P).

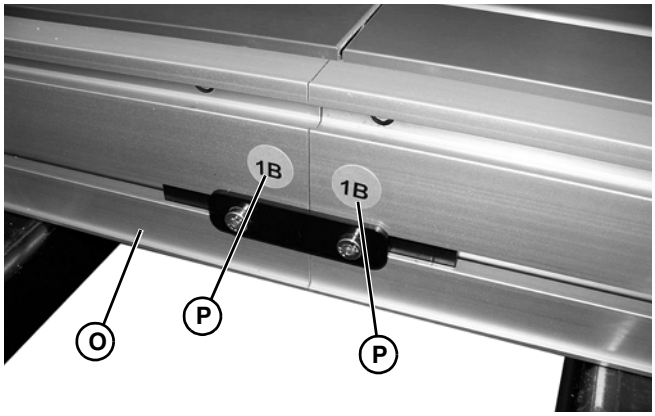


Figure 4

2. On tension end of the conveyor, identified by the pinion locking screw (Figure 5, item S), push in head plate assembly (U): Loosen the pinion locking screw (S), adjust the pinion torque screw (Figure 6, item V). On both sides of conveyor, loosen the two tail clamp bolts (Figure 5, item T), and push head plate assembly (U) inward.

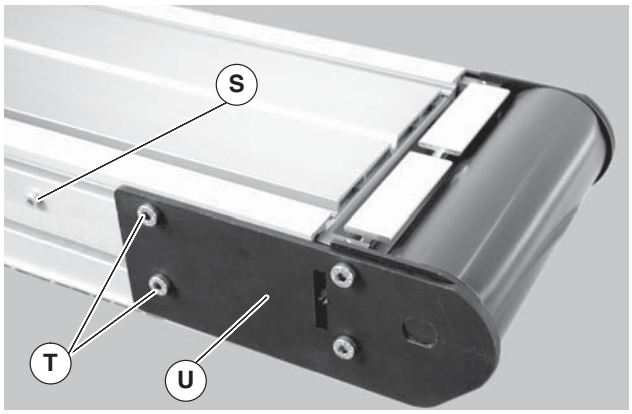


Figure 5

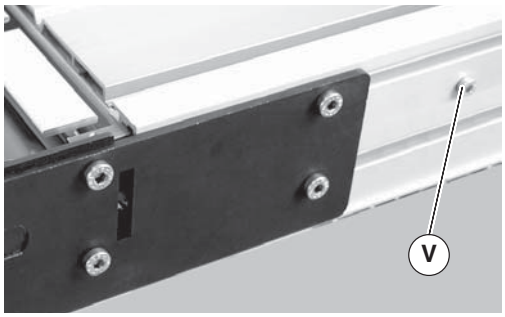


Figure 6

3. Roll out conveyor belt and place conveyor frame sections (Figure 7, item O) into belt loop.

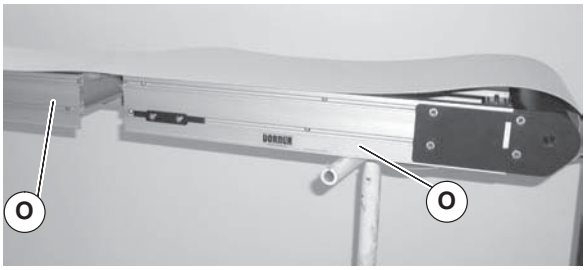


Figure 7

4. Join conveyor sections and install connector brackets (Figure 8, item W) or connector/mount brackets (WA) and screws (X) on both sides as indicated. Tighten screws to 60 in-lb (7 Nm).

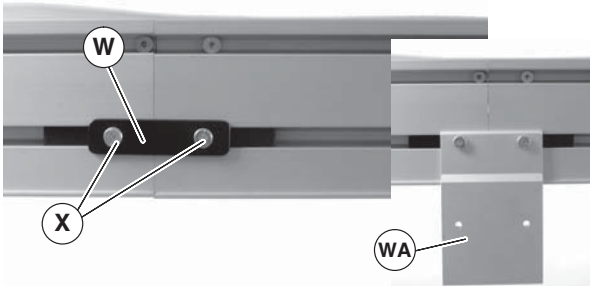


Figure 8

NOTE

For Conveyors longer than 20 ft (6096 mm) use the process outlined in the "Conveyor Belt Tensioning" section on page 12. Extend the Drive End Tail Assembly to the zero mark of the tension indicator (Figure 9, item AR) before proceeding to step 5. The zero mark for the tension indicator is when the indicator begins to turn black.

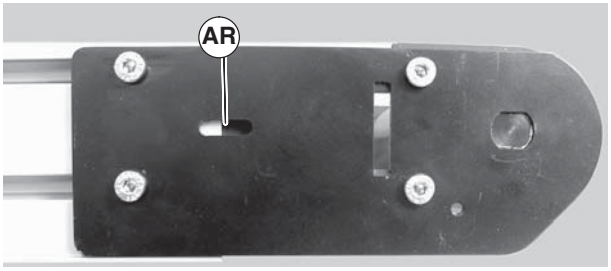
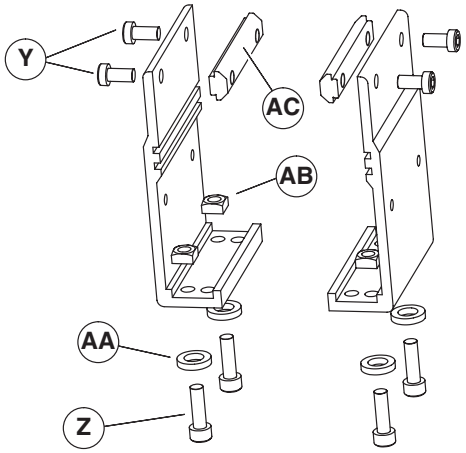


Figure 9

5. Tighten conveyor belt, refer to "Conveyor Belt Tensioning" on page 12.
6. Install mounting brackets and return rollers. Refer to "Mounting Brackets" on page 7 and "Return Roller" on page 8.

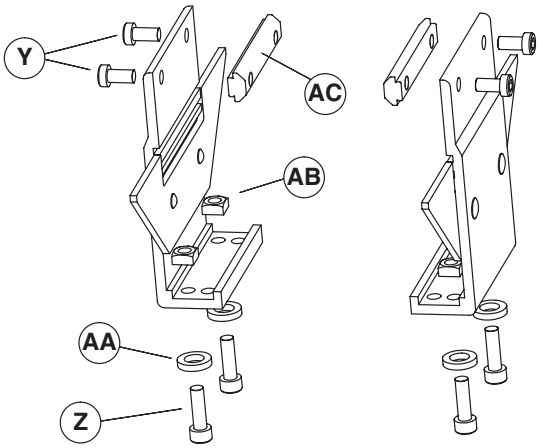
Mounting Brackets

1. Locate brackets. Exploded views shown in Figure 10 & Figure 11.



Mounting Brackets for Flat Belt Conveyor

Figure 10



Mounting Brackets for Cleated Belt Conveyor

Figure 11

2. Remove screws (Figure 10, item Y & Z) & (Figure 11, item Y & Z), washers (AA), nuts (AB) and T-bars (AC) from brackets.
3. Insert T-bars (Figure 10, item AC) & (Figure 11, item AC) into conveyor side slots (Figure 12, item AC). Fasten brackets (Figure 12, item AD) to conveyor with mounting screws (Y).

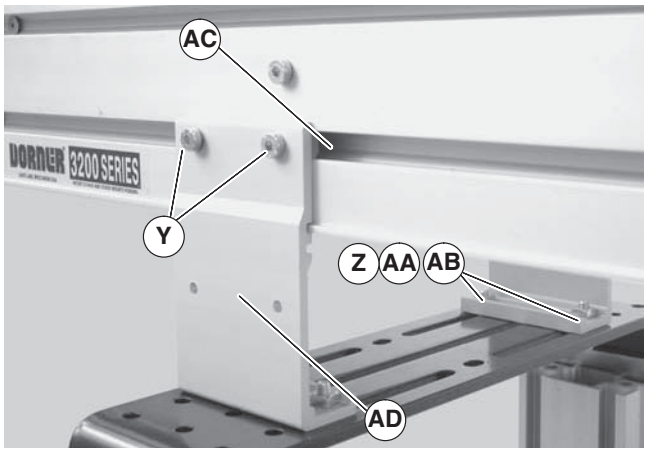


Figure 12

NOTE
Mounting brackets for flat belt conveyors shown.

4. Fasten brackets to support stand with mounting screws (Figure 12, item Z), washers (AA) and nuts (AB).
5. Tighten screws (Figure 12, item Y & Z) to 60 in-lb (7 Nm).

Return Rollers

Cleated Belt and 4–6” (51–152 mm) Wide Flat Belt Conveyors

1. Locate return rollers. Exploded views shown in Figure 13 & Figure 14.

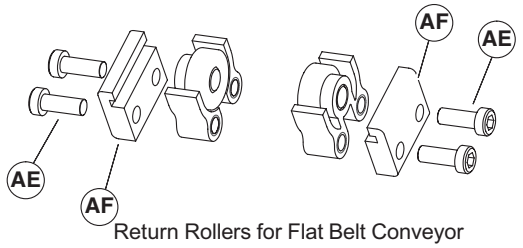


Figure 13

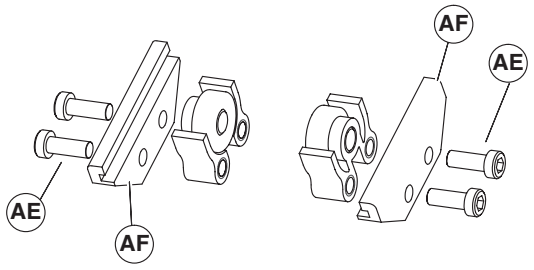


Figure 14

2. Remove screws (Figure 13, item AE) & (Figure 14, item AE) and clips (AF) from roller assembly.
3. Install roller assemblies (Figure 15, item AG) as shown. Tighten screws (AE) to 60 in-lb (7 Nm).

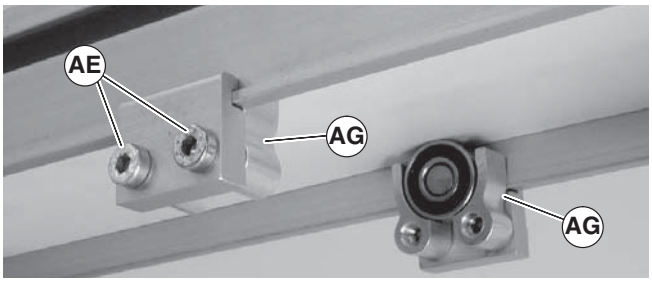


Figure 15

8–48” (203–1219 mm) Wide Flat Belt Conveyors

1. Locate return rollers. Exploded view shown in Figure 16.

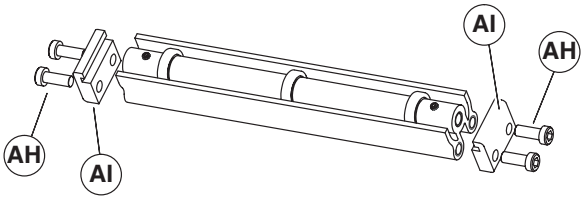


Figure 16

2. Remove screws (Figure 16, item AH) and clips (AI) from roller assembly.
3. Install roller assembly as shown (Figure 17, item AJ). Tighten screws (AH) to 60 in-lb (7 Nm).

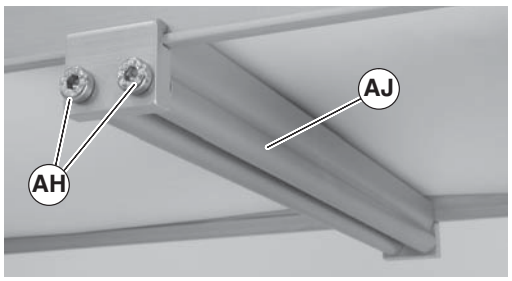


Figure 17

Required Tools

Standard Tools

- Hex-key wrenches:
  - 2.5 mm, 4 mm, 5 mm

Checklist

- Keep service parts on hand (see “Service Parts” section for recommendations)
- Keep supply of belt cleaner (part # 625619)
- Clean entire conveyor and knurled pulley while disassembled
- Replace worn or damaged parts

Lubrication

No lubrication is required. Replace bearings if worn.

Maintaining Conveyor Belt

Troubleshooting

Inspect conveyor belt for:

- Surface cuts or wear
- Stalling or slipping
- Damage to V-guide

Surface cuts and wear indicate:

- Sharp or heavy parts impacting belt
- Jammed parts
- Improperly installed bottom wipers (if installed)
- Accumulated dirt in wipers (if installed)
- Foreign material inside the conveyor
- Improperly positioned accessories
- Bolt-on guiding is pinching belt

Stalling or slipping indicates:

- Excessive load on belt
- Conveyor belt or drive timing belt are not properly tensioned
- Worn knurl or impacted dirt on drive pulley
- Intermittent jamming or drive train problems

Damage to V-guide indicates:

- Twisted or damaged conveyor frame
- Dirt impacted on pulleys
- Excessive or improper side loading

Cleaning

IMPORTANT

Do not use belt cleaners that contain alcohol, acetone, Methyl Ethyl Ketone (MEK) or other harsh chemicals.

Use Dorner Belt Cleaner (part # 625619). Mild soap and water may also be used. Do not soak the belt.

For /05 woven polyester and /06 black anti-static belts, use a bristled brush to improve cleaning.

Conveyor Belt Replacement

⚠ WARNING

Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.

Conveyor Belt Replacement Sequence

- Remove old conveyor belt:

-Conveyor without Stands or Gearmotor Mounting Package

-Conveyor with Stands and Gearmotor Mounting Package

- Install new conveyor belt
- Tension conveyor belt

Belt Removal for Conveyor Without Stands or Gearmotor Mounting Package

1. If equipped, remove return rollers and guiding and accessories from one side of conveyor.

2. On tension end of the conveyor, identified by the pinion locking screw (Figure 18, item S), push in head plate assembly (U): Loosen the pinion locking screw (S), adjust the pinion torque screw (Figure 19, item V). On both sides of conveyor, loosen the two tail clamp bolts (Figure 18, item T), and push head plate assembly (U) inward.

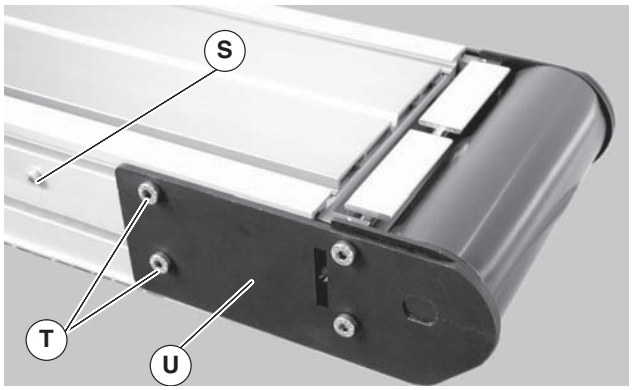


Figure 18

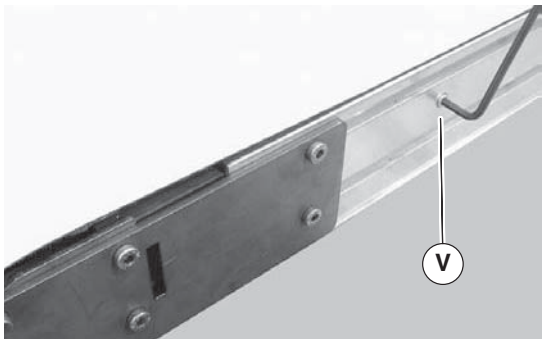


Figure 19

3. Remove conveyor belt.

Belt Removal for Conveyor With Stands and Gearmotor Mounting Package

⚠ WARNING

Removing mounting brackets without support under gearmotor will cause conveyor to tip, causing severe injury.

PROVIDE SUPPORT UNDERNEATH THE GEARMOTOR WHEN CHANGING THE BELT

1. Place temporary support stands (Figure 20, item AK) at both ends of the conveyor. Place an additional support stand under the drive motor (AL), if equipped. See WARNING.

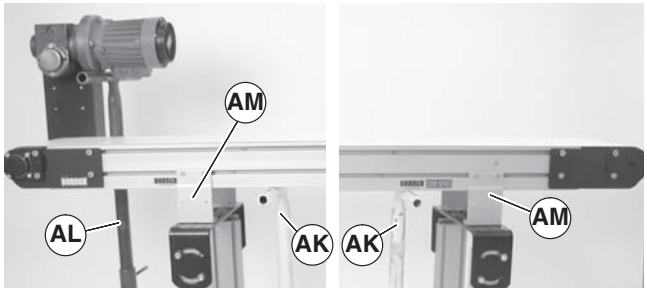


Figure 20

2. Remove mounting brackets (Figure 20, item AM) from one side of conveyor. (Reverse steps 3 & 4 of "Mounting Brackets" section on page 7).
3. If equipped, remove return rollers, guiding and accessories from side opposite drive cover.
4. On tension end of the conveyor, identified by the pinion locking screw (Figure 21, item S), push in head plate assembly (U): Loosen the pinion locking screw (S), adjust the pinion torque screw (Figure 22, item V). On both sides of conveyor, loosen the two tail clamp bolts (Figure 21, item T), and push head plate assembly (U) inward.

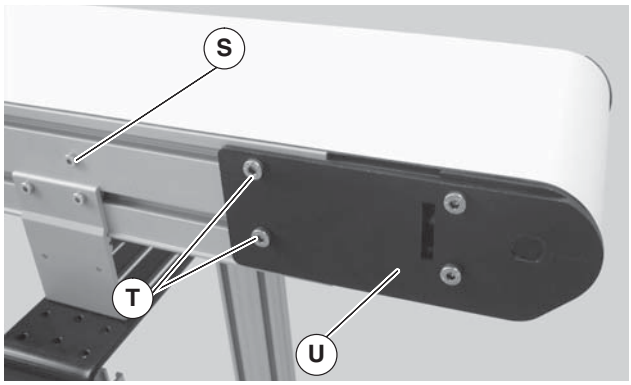


Figure 21

Figure 22

5. Remove belt (Figure 23, item AN) from conveyor.

Figure 23

Belt Installation for Conveyor without Stands or Gearmotor Mounting Package

1. Orient belt so splice leading fingers (Figure 24, item AO) point in the direction of belt travel as identified by the conveyor directional label (AP).

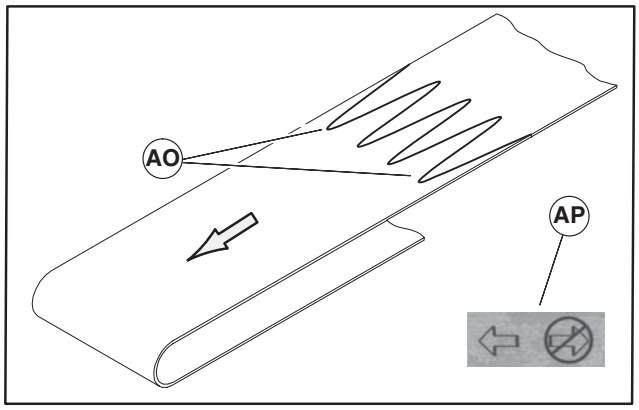


Figure 24

2. Slide belt onto the conveyor frame assembly.
3. Tension belt. Refer to “Conveyor Belt Tensioning” on page 12.
4. If equipped, install wipers, return rollers and guiding

Belt Installation for Conveyor with Stands and Gearmotor Mounting Package

⚠ WARNING

Removing mounting brackets without support under gearmotor will cause conveyor to tip, causing severe injury.

PROVIDE SUPPORT UNDERNEATH THE GEARMOTOR WHEN CHANGING THE BELT

1. Ensure temporary support stands (Figure 20, item AK) are placed at both ends of the conveyor. Place an additional support stand under the drive motor (AL), if equipped. See WARNING.
2. Orient belt so splice leading fingers (Figure 24, item AO) point in the direction of belt travel as identified by the conveyor directional label (AP).
3. Install belt (Figure 25, item AN) on conveyor. Lift conveyor slightly to avoid pinching belt on temporary support stands.

Figure 25

4. Re-install conveyor mounting brackets. Refer “Mounting Brackets” on page 7, steps 3 through 5.
5. Tension belt. Refer to “Conveyor Belt Tensioning” on page 12.
6. If equipped, re-install return rollers and guiding.

Conveyor Belt Tensioning

⚠ WARNING

Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.

NOTE

For conveyors longer than 20 ft (6096 mm) the belt tensioning procedure outlined below may be preformed on both the Drive and Idler Ends of the conveyor.

1. On tension end of the conveyor, identified by the pinion locking screw (Figure 26, item S), loosen the two tail clamp bolts (T), on both sides of conveyor.

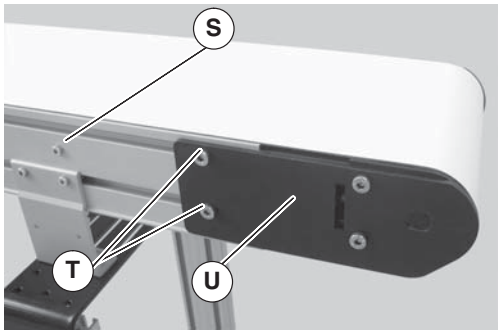


Figure 26

2. With 5mm hex wrench, hold pinion torque screw (Figure 27, item V). Loosen the pinion locking screw (Figure 26, item S) and turn the pinion torque screw (V) to extend head plate assembly.

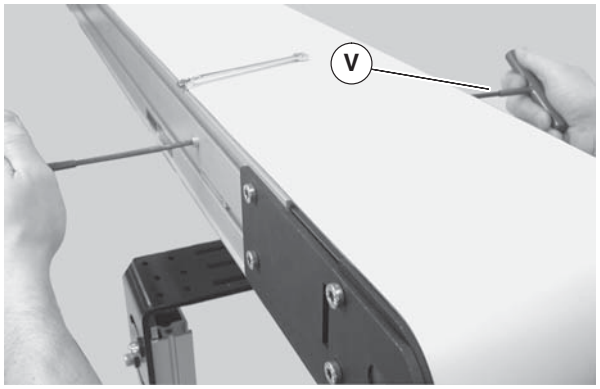


Figure 27

NOTE

On pinion gear, do not exceed a torque of 100 in-lb (11.3 N–m). Over tensioning the conveyor belt could cause excessive pulley bearing load and early failure.

3. Extend head plate assembly until proper tension in the belt is achieved. If proper tensioning can not be obtained before the belt life indicator is all black (Figure 28, item AR) the belt must be replaced.

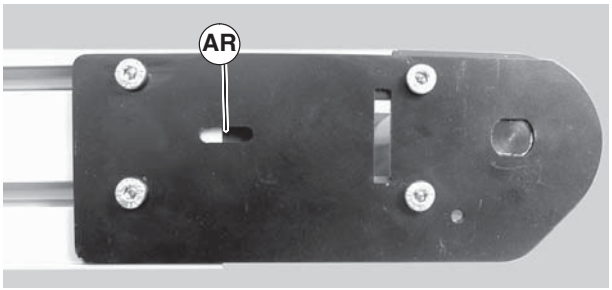


Figure 28

4. After adjusting proper tensioning, tighten the pinion locking screw (Figure 26, item S) to 69 in–lbs (7.8 N–m), and tighten tail clamp bolts (Figure 26, item T) on both sides of conveyor to 146 in-lb (16.5 N–m).
5. If belt tracking is necessary, refer to “Conveyor Belt Tracking” on page 12.

Conveyor Belt Tracking

V-Guided Belts

V-guides on belts help maintain proper belt tracking. Track as needed to reduce belt bulge from center of belt (Figure 29). See steps below in “Non V-guided Belts” procedure for adjusting for any belt bulging. Belt bulge will be minimal when belt is properly tracked.

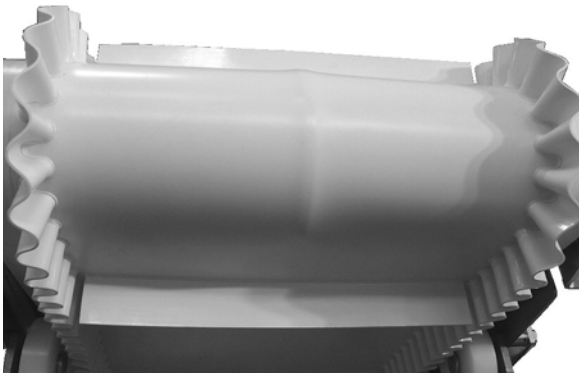


Figure 29

Non V-Guided Belts

Non V-guided belt conveyors are equipped with belt tracking assemblies.

When adjusting belt tracking, always adjust the discharge end of the conveyor first. To adjust belt tracking:

1. Ensure tensioning racks are extended and touching the idler pulley headplates: loosen the pinion locking screw (Figure 26, item S) and rotate the pinion torque screw (Figure 27, item V) clockwise until contact with the head plate is made, then tighten the pinion locking screw (S) to 69 in–lbs (7.8 N–m)
2. On the side of conveyor to be adjusted, loosen two (2) tail clamp screws (Figure 30, item T).

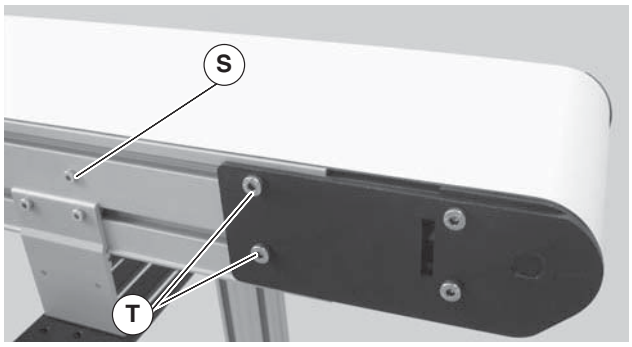


Figure 30

3. With the conveyor running, use wrench (Figure 31, item AS) to rotate the tracking screw (Figure 32, item AT) in small increments until the belt tracks in the center of the conveyor.

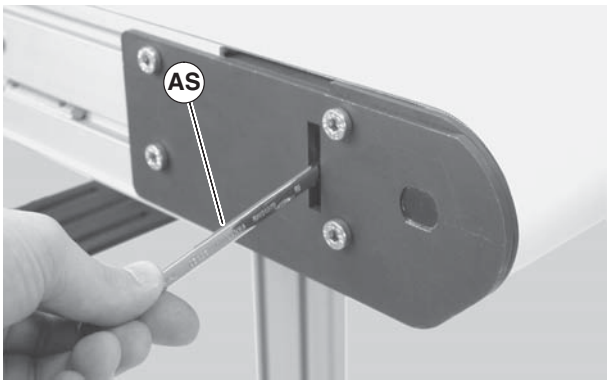


Figure 31

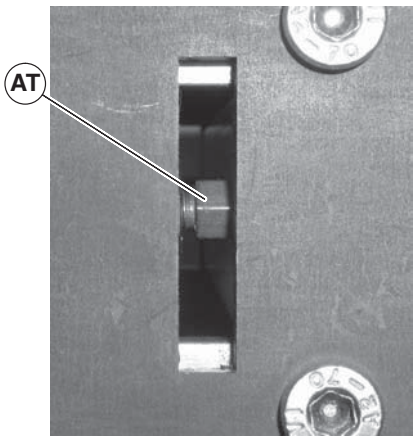


Figure 32

4. Re-tighten the head plate fastening screws (Figure 33, item T) with a 5 mm hex-key wrench to 146 in-lb (16.5 Nm).

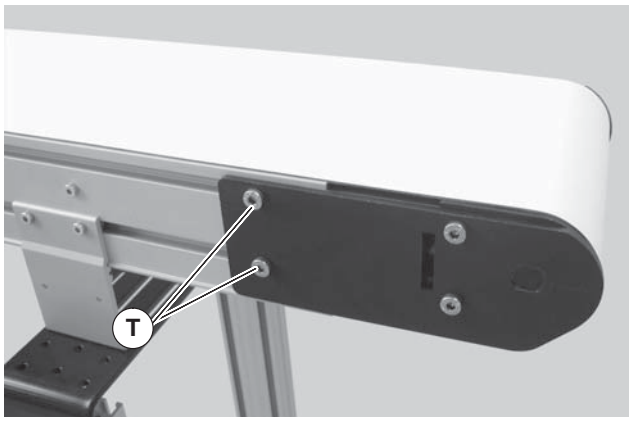


Figure 33

Pulley Removal

⚠ WARNING

Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.

Remove conveyor belt to access pulley(s). See “Conveyor Belt Replacement” on page 9. Remove the desired pulley following the corresponding instructions below:

- **A** – Idler Pulley Removal
- **B** – Drive Pulley Removal
- **C** – Transfer Tail Pulley Removal

A – Idler Pulley Removal

1. Temporarily support the idler pulley.

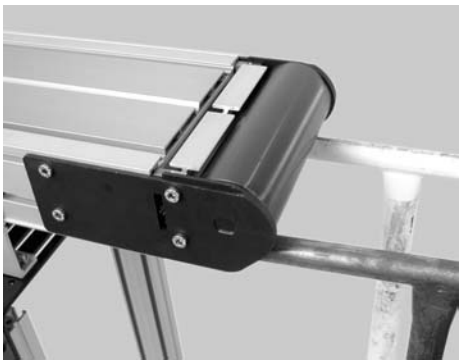


Figure 34

2. On one side of conveyor, loosen the two (2) back fastening screws (Figure 35, item T) and remove two (2) front fastening screws (AU).

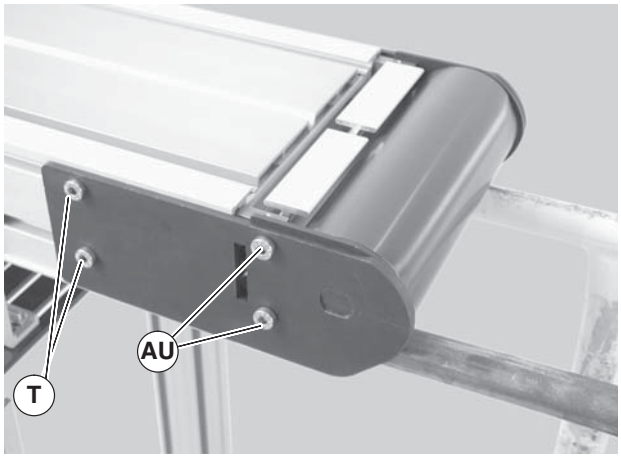


Figure 35

3. Pull back the outer headplate (Figure 36, item U) and remove the inner spacer (AV).

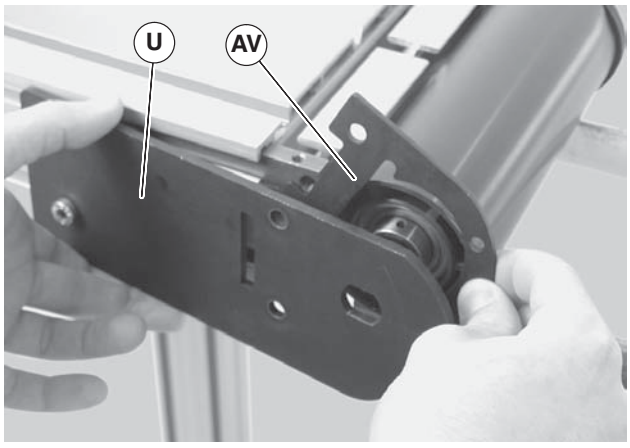


Figure 36

4. Slide the idler pulley assembly (Figure 37, item AW) out of the headplate on the opposite side.

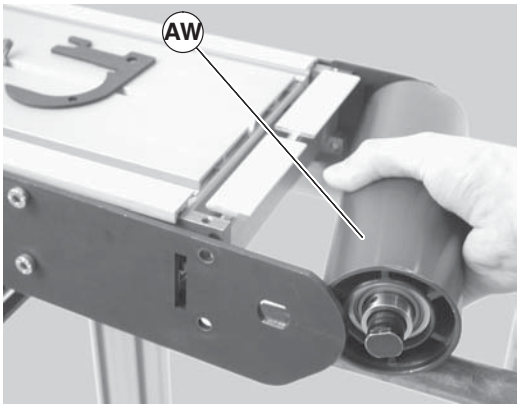


Figure 37

5. Remove the pulley shaft assembly: remove the clip ring (Figure 38, item AX) and washer (AY) from one side of the pulley assembly.

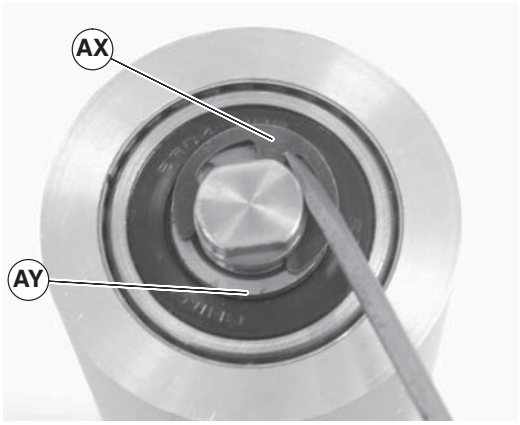


Figure 38

6. Slide the shaft assembly (Figure 39, item AZ) out of the pulley (AW).

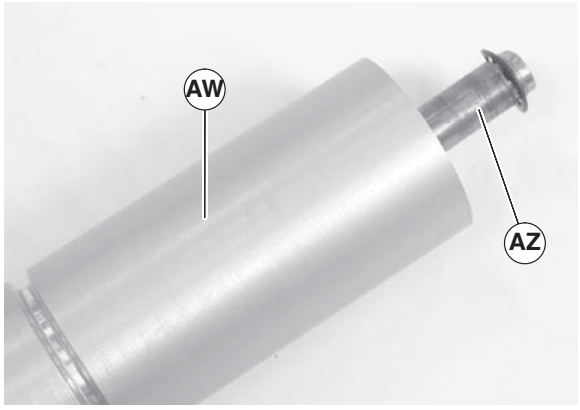


Figure 39

B – Drive Pulley Removal

⚠ WARNING

Drive shaft keyway may be sharp. HANDLE WITH CARE.

1. Remove the gearmotor mounting package:

- Top and Bottom Mount Packages
- Side Mount Packages

NOTE

Bottom Mount Package shown, Top Mount Package similar.

Top and Bottom Mount Packages

a. Use a temporary support (Figure 40, item BA) to support Gearmotor.

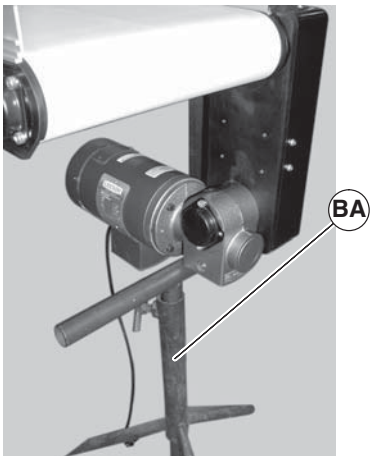


Figure 40

b. Remove four (4) screws (Figure 41, item BB) and remove cover (BC).

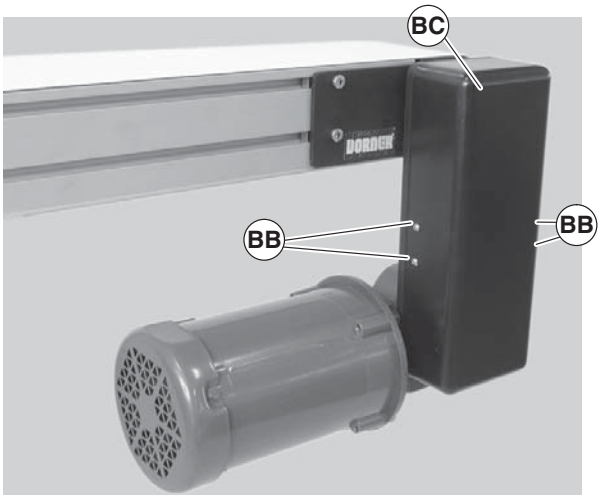


Figure 41

c. Loosen tensioner (Figure 42, item BD).

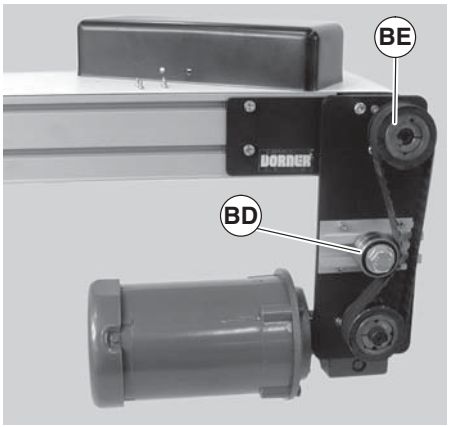


Figure 42

d. Remove taper-lock screws (Figure 43, item BF) on the driven pulley (Figure 42, item BE). Insert one (1) of taper lock screws (Figure 43, item BF) in remaining hole (BG). Tighten screw (BF) until pulley is loose. Remove pulley, taper hub assembly and timing belt.

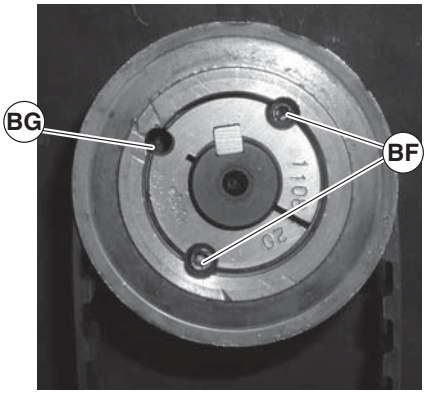


Figure 43

e. Remove four (4) M5 mounting screws (Figure 44, item BH) and two (2) M8 mounting screws (BI).

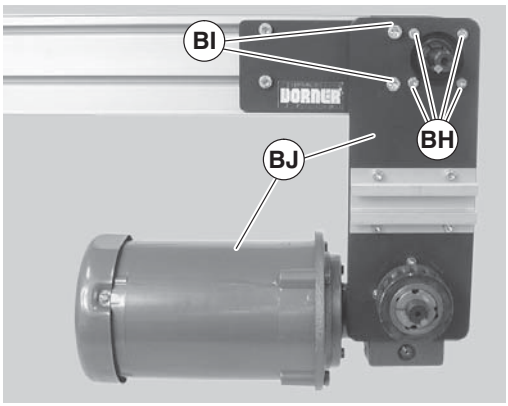


Figure 44

f. Remove gearmotor and mounting plate assembly (Figure 44, item BJ).

Side Mount Package

a. Temporarily support Gearmotor.

b. Loosen the four (4) lock screws (Figure 45, item BK).

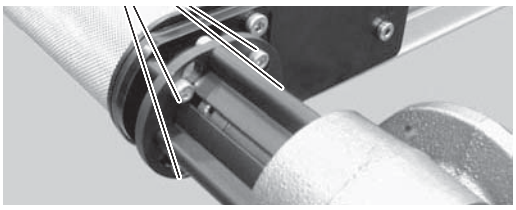


Figure 45

c. Rotate and remove the gear motor and guard assembly (Figure 46, item BL).

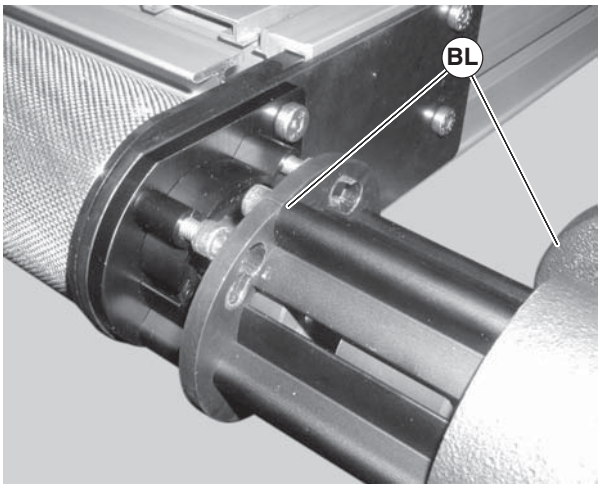


Figure 46

d. Remove the four (4) lock screws (Figure 47, item BK) and the short side drive guard (BM).

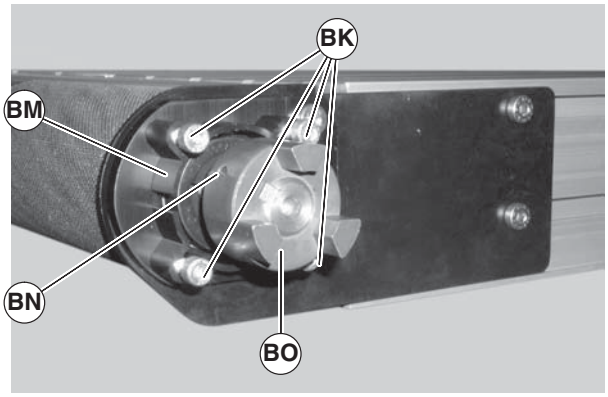


Figure 47

2. Loosen set screw (Figure 47, item BN) and remove 3–jaw coupling (BO).
3. Temporarily support the drive pulley.

Figure 48

4. Remove four shaft cover screws (Figure 49, item BP). Remove the shaft cover (BQ).

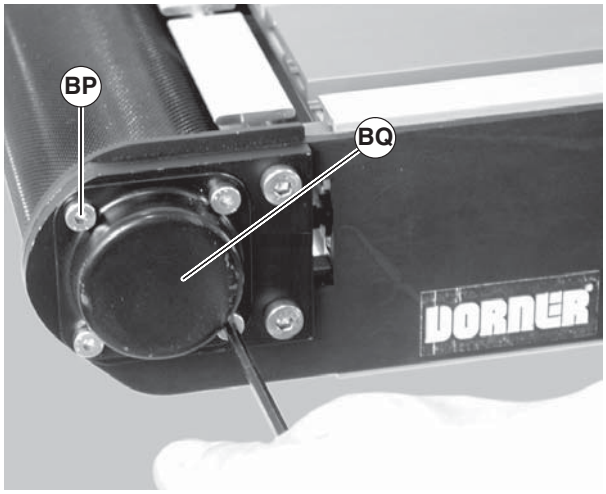


Figure 49

5. Loosen the bearing collar set screw (Figure 50, item BR) and remove bearing collar (BS). Repeat on drive shaft side of pulley (Figure 51, item BR and BS).

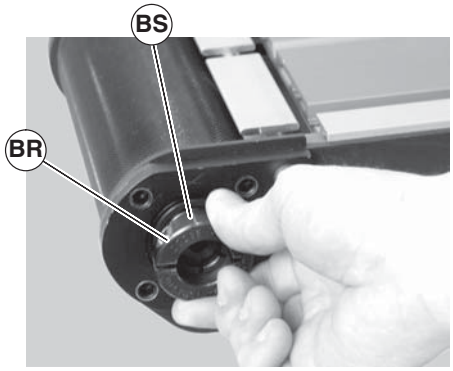


Figure 50

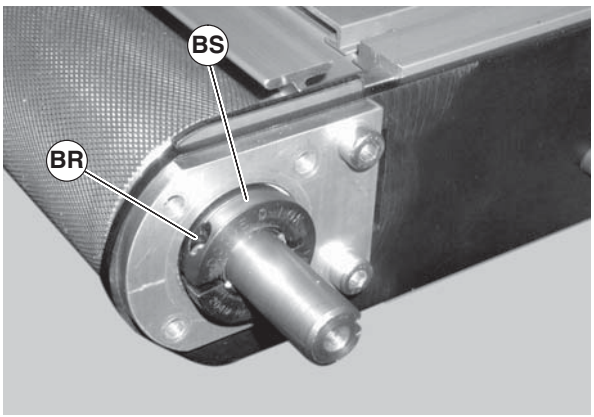


Figure 51

NOTE

When reassembling, tighten the bearing collar set screws to 52 in-lbs (6 Nm). Check after 24 hours of conveyor use.

6. On the drive headplate, remove two (2) screws (Figure 52, item T). 60 in-lb (7 Nm)

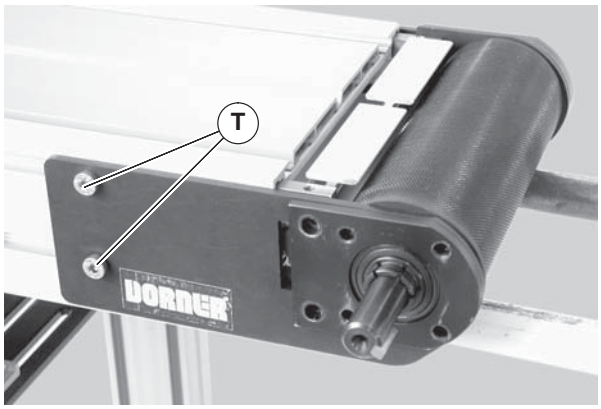


Figure 52

7. Remove the outer headplate assembly (Figure 53, item BT), and inner spacer (AV).

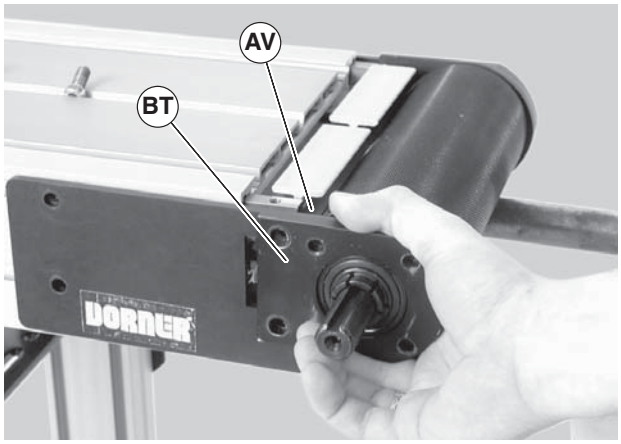


Figure 53

8. Slide the drive pulley (Figure 54, item BU) out of the headplate on the opposite side.

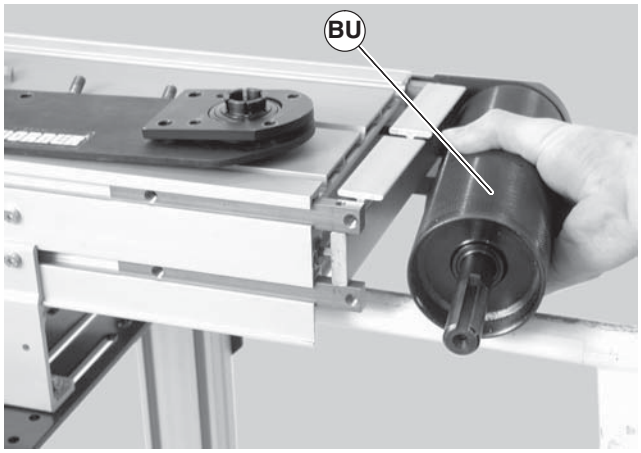


Figure 54

C – Transfer Tail Pulley Removal

1. Temporarily support the transfer tail assembly.

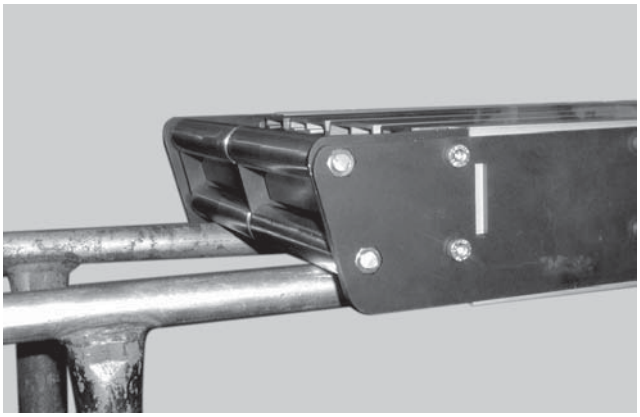


Figure 55

2. On one side of conveyor, remove the two (2) back fastening screws (Figure 56, item T), and the two (2) front fastening screws (AU)

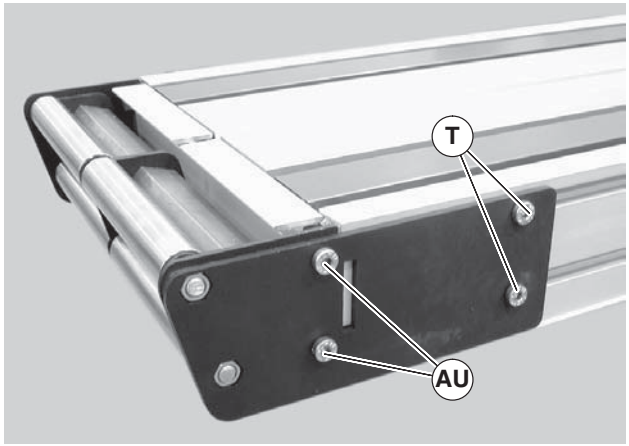


Figure 56

3. Remove the inner spacer (Figure 57, item AV).

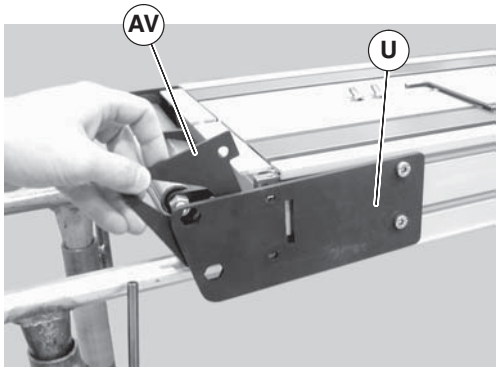


Figure 57

4. Slide the transfer tail pulley assembly (Figure 58, item BV) out of the headplate on the opposite side.

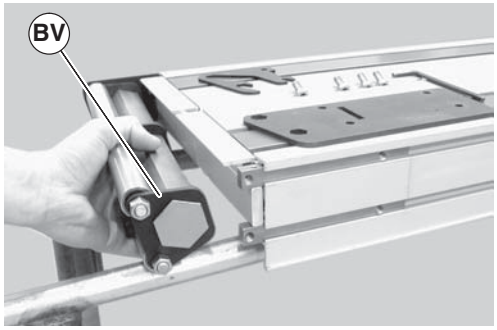


Figure 58

5. Remove hex nuts (Figure 59, item BW).

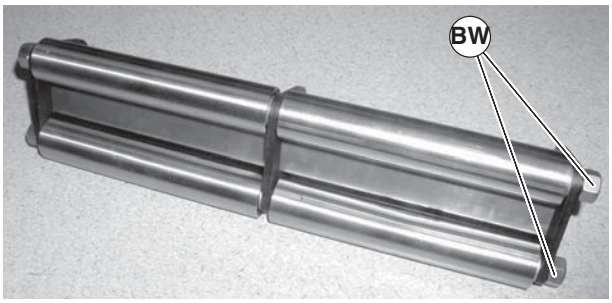


Figure 59

6. Remove support plates (Figure 60, item BX) and washers (BY).

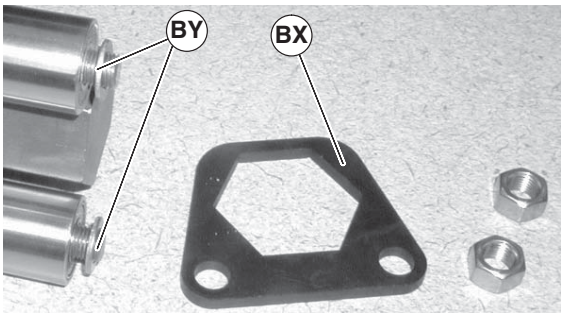


Figure 60

7. Remove pulleys (Figure 61, item BZ) and additional washers (CA).

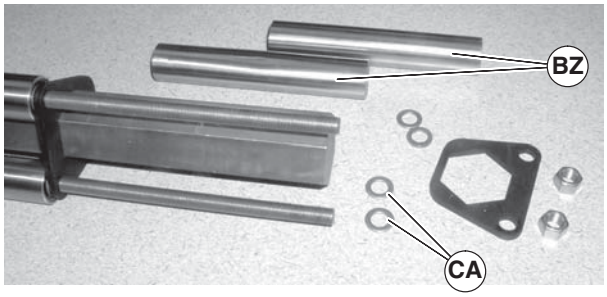


Figure 61

8. To remove additional pulleys, repeat steps 6 through 7.

Bearing Replacement

⚠ WARNING

Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.

- **A** – Idler Bearing
- **B** – Drive Bearing
- **C** – Transfer Tail Bearing

A – Idler Bearing Replacement

The bearings in a 3200 Series Idler Pulley can not be removed. Replace the entire pulley assembly when worn.

B – Drive Bearing Removal and Replacement

⚠ WARNING

Drive shaft keyway may be sharp. HANDLE WITH CARE.

Removal

1. Turn bearing (Figure 62, item CB) to align with slots (CC) in bearing housing. Then remove bearing.

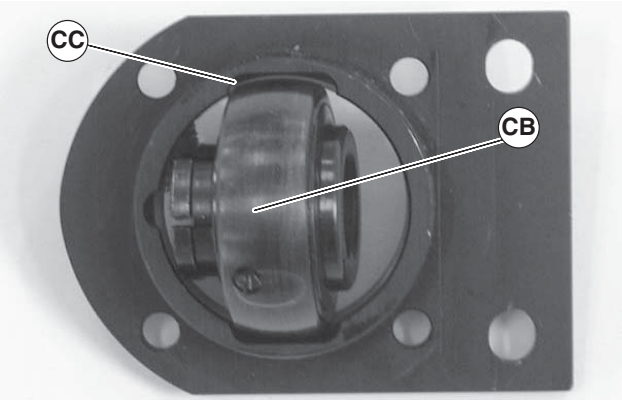


Figure 62

Replacement

1. Inspect bearing housing bearing surface. If worn or damaged, replace. See “Service Parts” on page 21.
2. Insert bearing (Figure 63, item CB) into housing slot (CC). Locate anti–rotation nub (CD) to align with slot (CE), and twist bearing into housing.

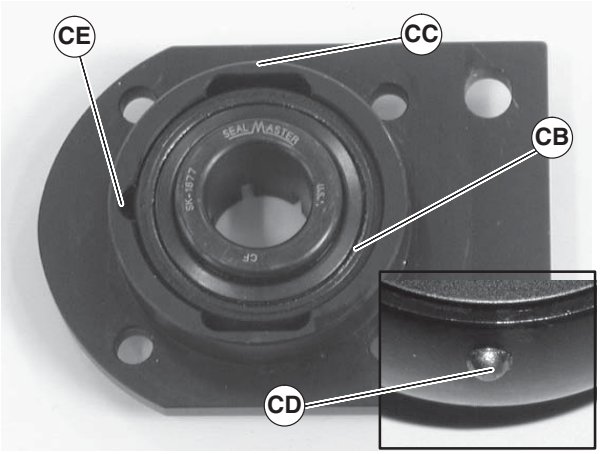


Figure 63

C – Transfer Tail Bearing Replacement

The bearings in a 3200 Series Transfer Tail Pulley can not be removed. Replace the entire pulley assembly when worn.

Pulley Replacement

Idler Pulley

To replace the idler pulley, reverse the “Idler Pulley Removal” procedure on page 14.

Drive Pulley

To replace the drive pulley, reverse the “Drive Pulley Removal” procedure on page 15.

Transfer Tail Pulley

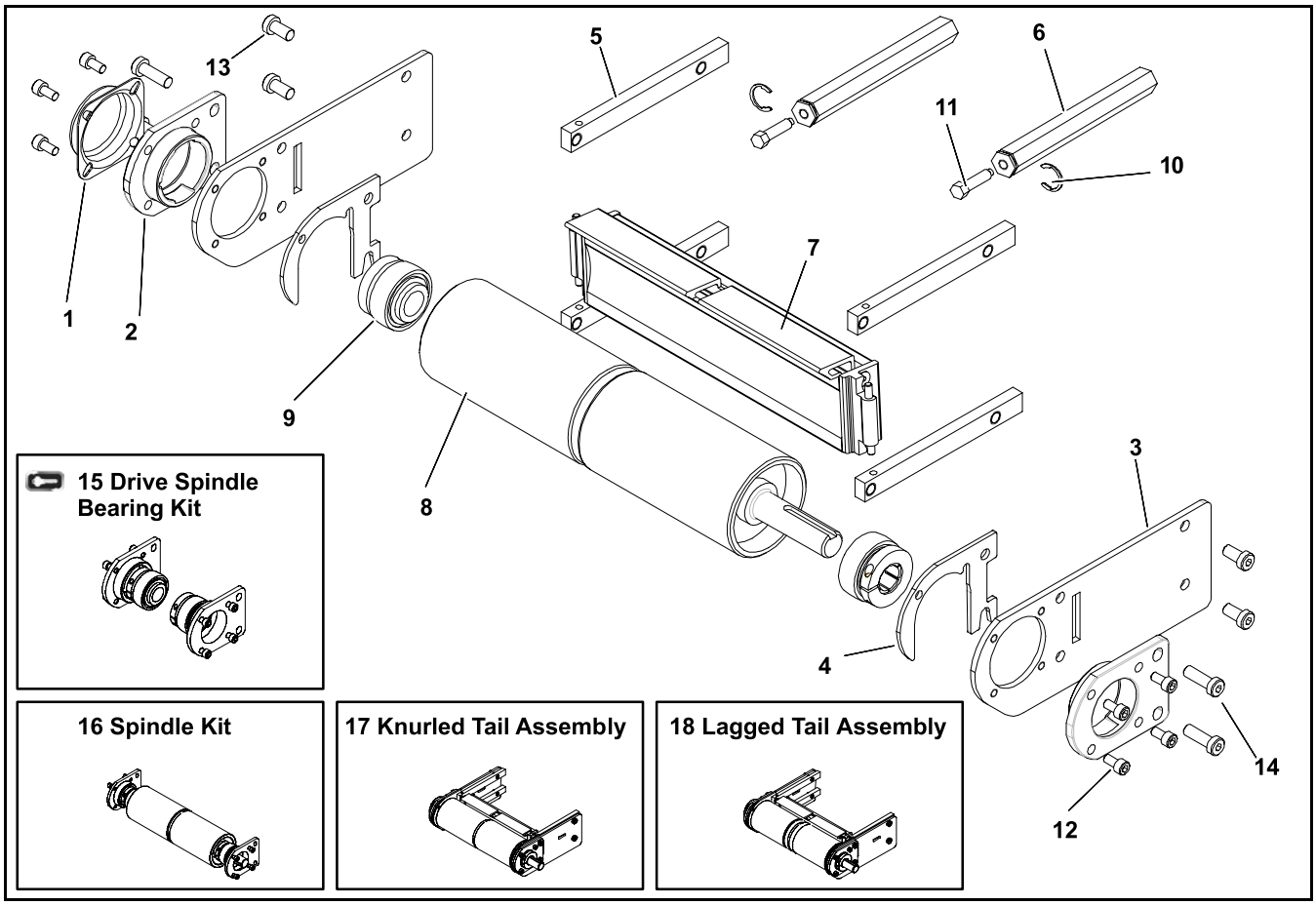
To replace the transfer tail pulley, reverse the “Transfer Tail Pulley Removal” procedure on page 18.

Notes

NOTE

For replacement parts other than those shown in this section, contact an authorized Dorner Service Center or the factory. Key Service Parts and Kits are identified by the Performance Parts Kits logo. Dorner recommends keeping these parts on hand.

Drive End Tail Assembly

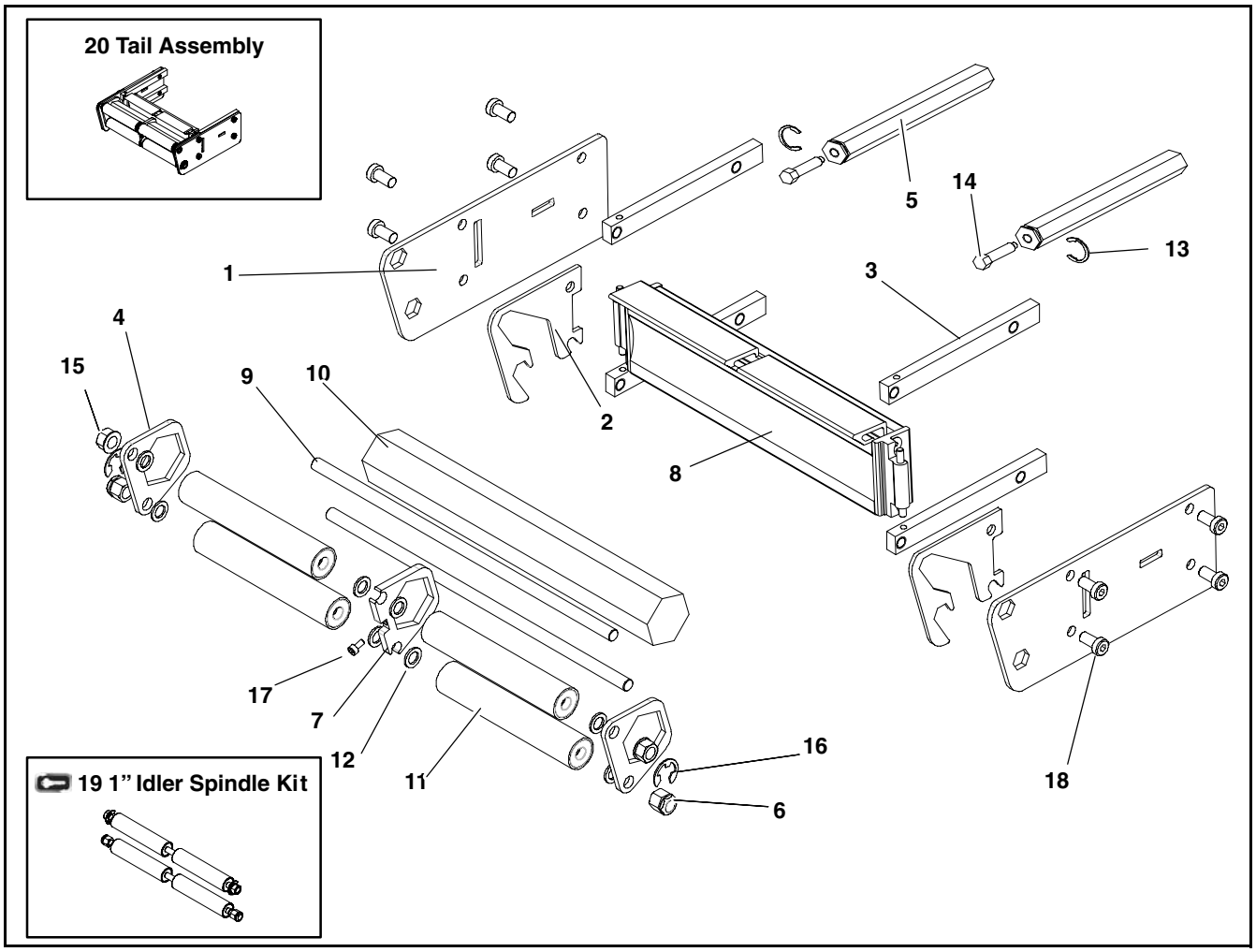


Item	Part Number	Description
1	300139	Shaft Cover
2	300885	Bearing Retainer
3	301048	Drive Tail Cover Plate
4	301083	3" Inner Tail Plate
5	301088	Tail Bar Clamp
6	301196	Hex Tension Tracking Shaft
7	3202WW	Tail Articulation Bar
8	3286WW	Knurled Drive Spindle Assy.
	3288WW	Lagged Drive Spindle Assy.
9	802–135	D–Lok Bearing
10	807–1151	Retaining Ring
11	807–1152	Hex Head Cap Screw M6 x 20mm
12	920612M	Socket Head Screw M6 x 12mm
13	920893M	Low Head Socket Screw M8x16mm
14	920895M	Low Head Socket Screw M8x25mm

Item	Part Number	Description
15	32D	Drive Spindle Bearing Kit (Includes Items 2, 9 and 12)
16	32KD–WW	Knurled Spindle Kit (Includes Items 2, 8, 9 and 12)
	32LD–WW	Lagged Spindle Kit (Includes Items 2, 8, 9 and 12)
17	32KDTA–WW	Knurled Tail Assy. Position A and B (Includes items 1 through 5, 7 through 9 and 12 through 14)
	32KDTD–WW	Knurled Tail Assy. Position C and D (Includes items 1 through 5, 7 through 9 and 12 through 14)
18	32LDTA–WW	Lagged Tail Assy. Position A and B (Includes items 1 through 5, 7 through 9 and 12 through 14)
	32LDTD–WW	Lagged Tail Assy. Position C and D (Includes items 1 through 5, 7 through 9 and 12 through 14)
WW = Conveyor width reference: 04 – 48 in 02 increments		

Service Parts

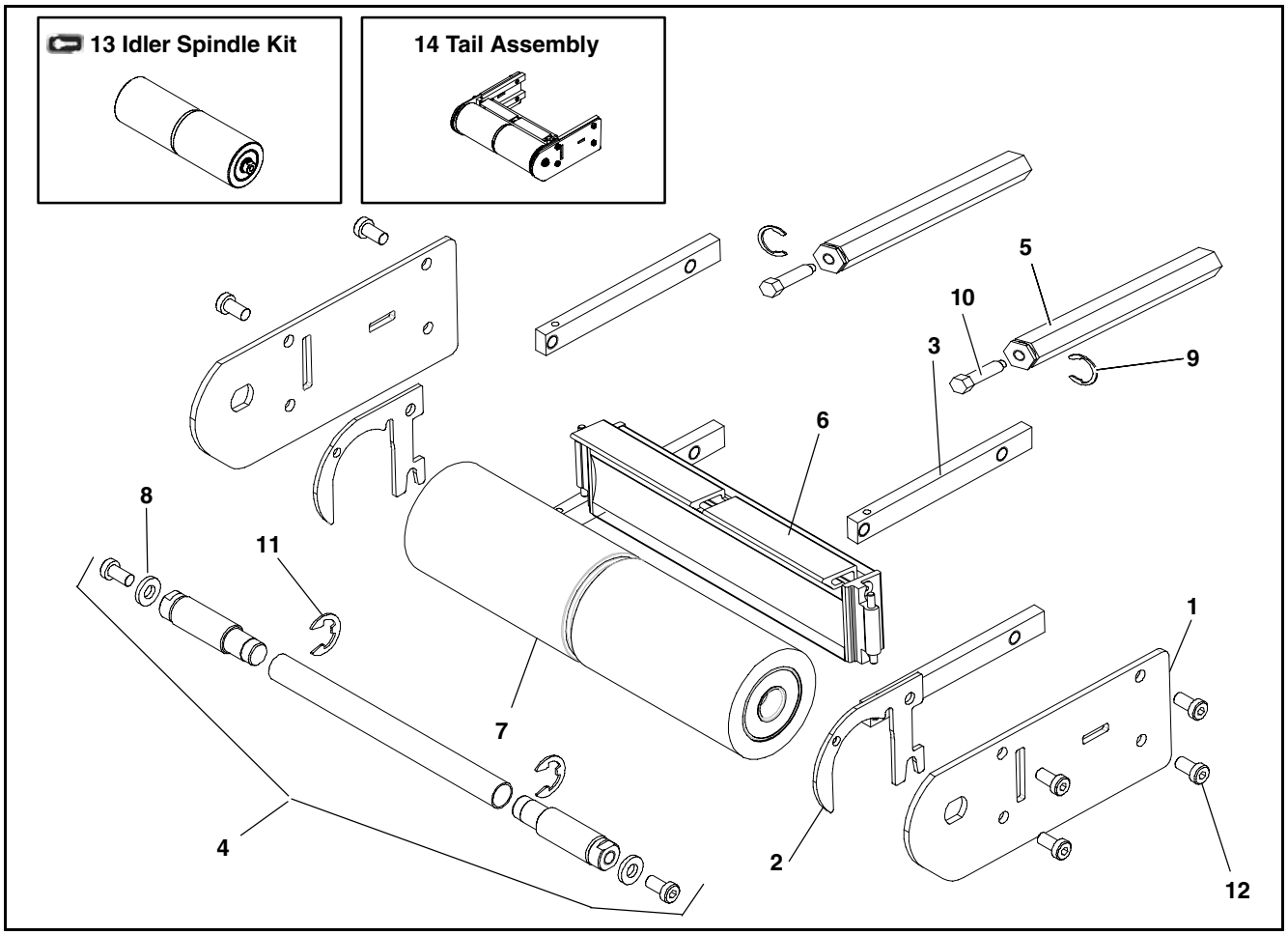
Transfer Tail Assembly



Item	Part Number	Description
1	301082	Nosebar Cover Plate
2	301084	1" Inner Tail Plate
3	301088	Tail Bar Clamp Transfer
4	301090	Tail Support Plate
5	301196	Hex Tension Tracking Shaft
6	301352	Nut, E–ring, Brace
7	301354	Inner Transfer Tail Support Plate
8	3202WW	Tail Articulation Bar
9	3217WW	1" Idler Tail Axle Shaft
10	3219WW	Support Bar
11	3237WW	Transfer Tail Roller – (Qty. = 4 for 04–24 Wide, 8 for 26–48 Wide)
12	807–1136	Washer
13	807–1151	Retaining Ring

Item	Part Number	Description
14	807–1152	Hex Head Cap Screw M6 x 20mm
15	910–203	3/8" Hex Nut
16	915–319	Retaining Ring
17	920408M	Hex Head Cap Screw M4 x 8mm
18	920893M	Low Head Socket Screw M8 x 16mm
19	32T1–WW	1" Idler Spindle Kit (includes items 6, 9, 11, 12, 15 and 16)
20	32TT1–WW	Tail Assembly (includes items 1 through 4, 6 through 12, 15 through 18)
WW = Conveyor width reference: 04 – 48 in 02 increments		

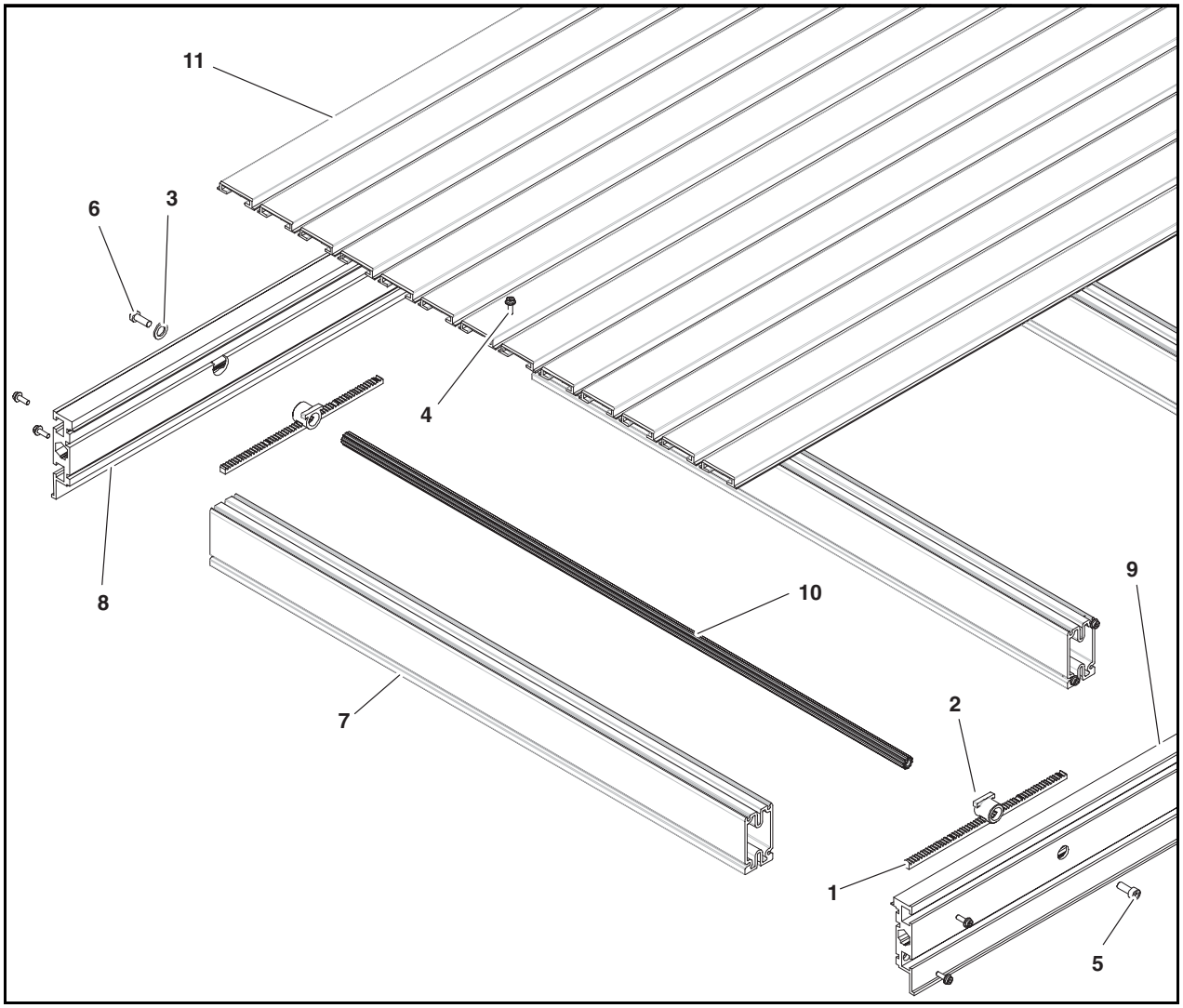
Idler End Assembly



Item	Part Number	Description
1	301049	Idler Cover Plate
2	301083	Inner 3” Tail Plate
3	301088	Tail Bar Clamp
4	3282WW	Idler Spindle Wand Assembly (includes items 8 and 11)
5	301196	Hex Tension Tracking Shaft
6	3202WW	Tail Articulation Bar
7	3289WW	3” Idler Pulley
8	605280P	Hard Washer
9	807–1151	Tracking Shaft Retaining Ring
10	807–1152	Hex Head Cap Screw M6 x 20mm
11	915–235	Stub Shaft Retaining Ring
12	920893M	Low Head Socket Screw M8 x 16mm
13	32T3–WW	Idler Spindle Kit (includes items 4 and 7)
14	32TT3–WW	Tail Assembly (including items 1 through 4, 6, 7 and 12)
WW = Conveyor width reference: 04 – 48 in 02 increments		

Service Parts

Frame Assembly



Item	Part Number	Description
1	240420	Rack Gear
2	301091	Pinion Bearing
3	605279P	Washer
4	920484M	Flange Torx Screw, M4 x 16mm
5	920616M	Socket Head Screw M6 x 16mm
6	920693M	Low Head Socket Screw M6 x 16mm
7	3245WW	Cross Support Rail
8	301041–LLLLL	RH Side Rail
9	301042–LLLLL	LH Side Rail
10	3229WW	Pinion
11	See Bed Plate Rail chart	Bed Plate Rail
WW = Conveyor width reference: 04 – 48 in 02 increments LLLLL = Frame Length (see Bed Plate & Frame Formulas)		

Item 11: Bed Plate Rail	
Width	**Part Number**
1.75” (mm)	300887–LLLLL
2” (54mm)	300888–LLLLL
4” (102mm)	300889–LLLLL
6” (152mm)	300890–LLLLL
LLLLL = Bed Plate Length (see Bed Plate & Frame Formulas on the next page)	

Bed Plate and Frame Formulas

Bed Plate and Frame Formulas

Bed Plate LLLLL = Frame LLLLL – 00013

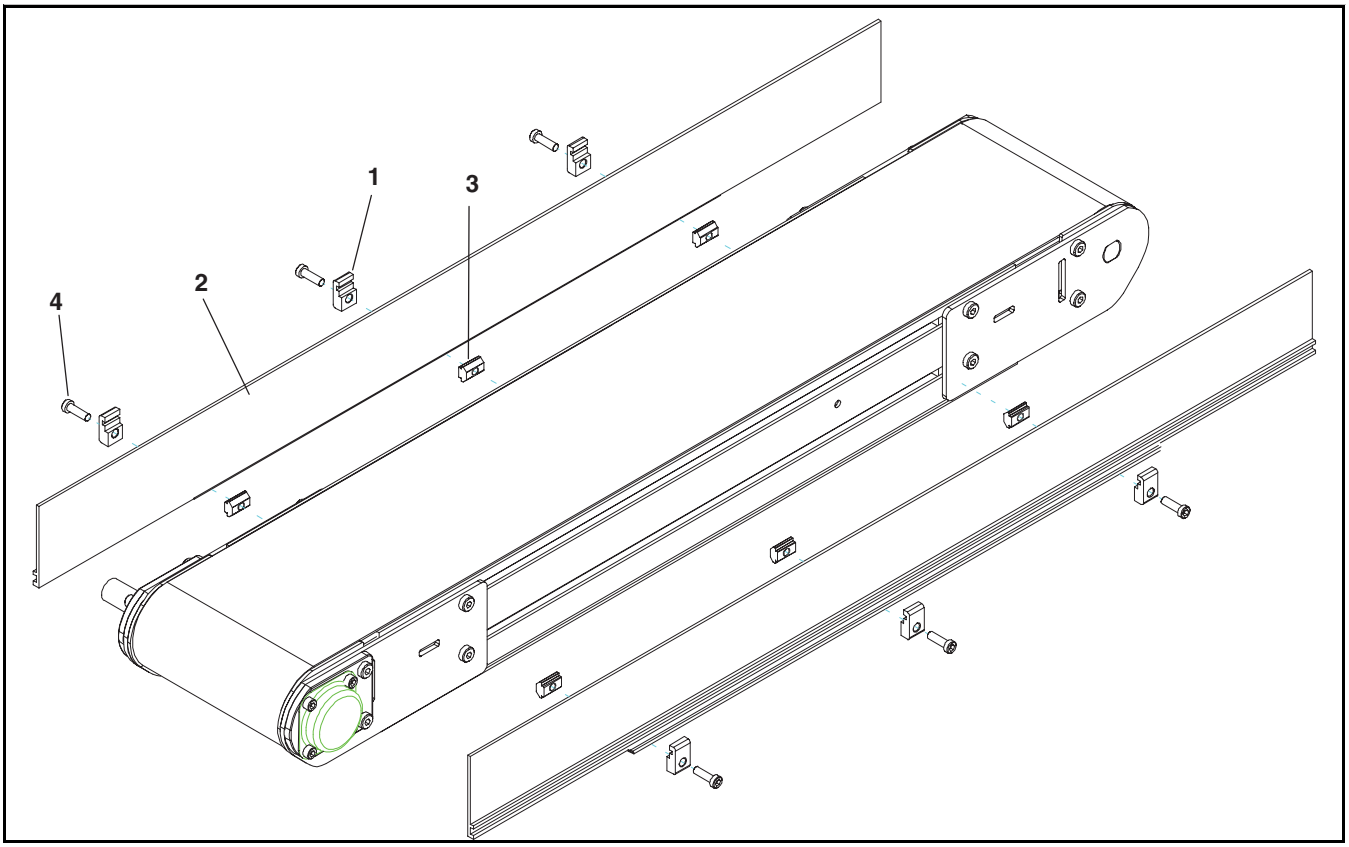
Frame LLLLL = Conveyor Length LLLL X 12 – Tail Adder / # of Sections of Conveyor

Tail Adder = 00600 for each Tension End
00425 for each Non–Tension End

Width	Bed Plate Configuration												
4”							1.75”						
6”							4”						
8”							6”						
10”						2”	4”	2”					
12”						2”	6”	2”					
14”						4”	4”	4”					
16”						4”	6”	4”					
18”						6”	4”	6”					
20”						6”	6”	6”					
22”					4”	4”	4”	4”	4”				
24”					4”	4”	6”	4”	4”				
26”					6”	4”	4”	4”	6”				
28”					6”	4”	6”	4”	6”				
30”					6”	6”	4”	6”	6”				
32”					6”	6”	6”	6”	6”				
34”				4”	4”	6”	4”	6”	4”	4”			
36”				4”	4”	6”	6”	6”	4”	4”			
38”				4”	6”	6”	4”	6”	6”	4”			
40”				4”	6”	6”	6”	6”	6”	4”			
42”				6”	6”	6”	4”	6”	6”	6”			
44”				6”	6”	6”	6”	6”	6”	6”			
46”			4”	4”	6”	6”	4”	6”	6”	4”	4”		
48”			4”	4”	6”	6”	6”	6”	6”	4”	4”		
50”			4”	6”	6”	6”	4”	6”	6”	6”	4”		
52”			4”	6”	6”	6”	6”	6”	6”	6”	4”		
54”			6”	6”	6”	6”	4”	6”	6”	6”	6”		
56”			6”	6”	6”	6”	6”	6”	6”	6”	6”		
58”		4”	4”	6”	6”	6”	4”	6”	6”	6”	4”	4”	
60”		4”	4”	6”	6”	6”	6”	6”	6”	6”	4”	4”	
62”		4”	6”	6”	6”	6”	4”	6”	6”	6”	6”	4”	
64”		4”	6”	6”	6”	6”	6”	6”	6”	6”	6”	4”	
66”		6”	6”	6”	6”	6”	4”	6”	6”	6”	6”	6”	
68”		6”	6”	6”	6”	6”	6”	6”	6”	6”	6”	6”	
70”	4”	4”	6”	6”	6”	6”	4”	6”	6”	6”	6”	4”	4”
72”	4”	4”	6”	6”	6”	6”	6”	6”	6”	6”	6”	4”	4”

Service Parts

–04 3” (76mm) Aluminum Side



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	380400–LLLLL (see Formulas)	3200 Guide 3” (76mm) HS
3	639971M	Single Drop–in Tee Bar
4	920694M	Socket Head Screw M6 x 20mm

Length Formulas

$$\underline{LLLLL} = \frac{(\text{Conveyor Length } \underline{XXXX}) \text{ X } 12 - \text{Tail Factor}}{\text{\# of Sections of Conveyor}}$$

Tail Factor =

00000	**for center drive with transfer tail both ends**
00100	**for end drive with one transfer tail**
00200	**for end drive and center drives with standard tails**
00325	**for All Cleated Conveyors**

$$\text{\# of Conveyor Sections} = \frac{(\text{Conveyor Length } \underline{XXXX} - 0100)}{1200}$$

XXXX = Conveyor Length (XX.XX ft)

Example

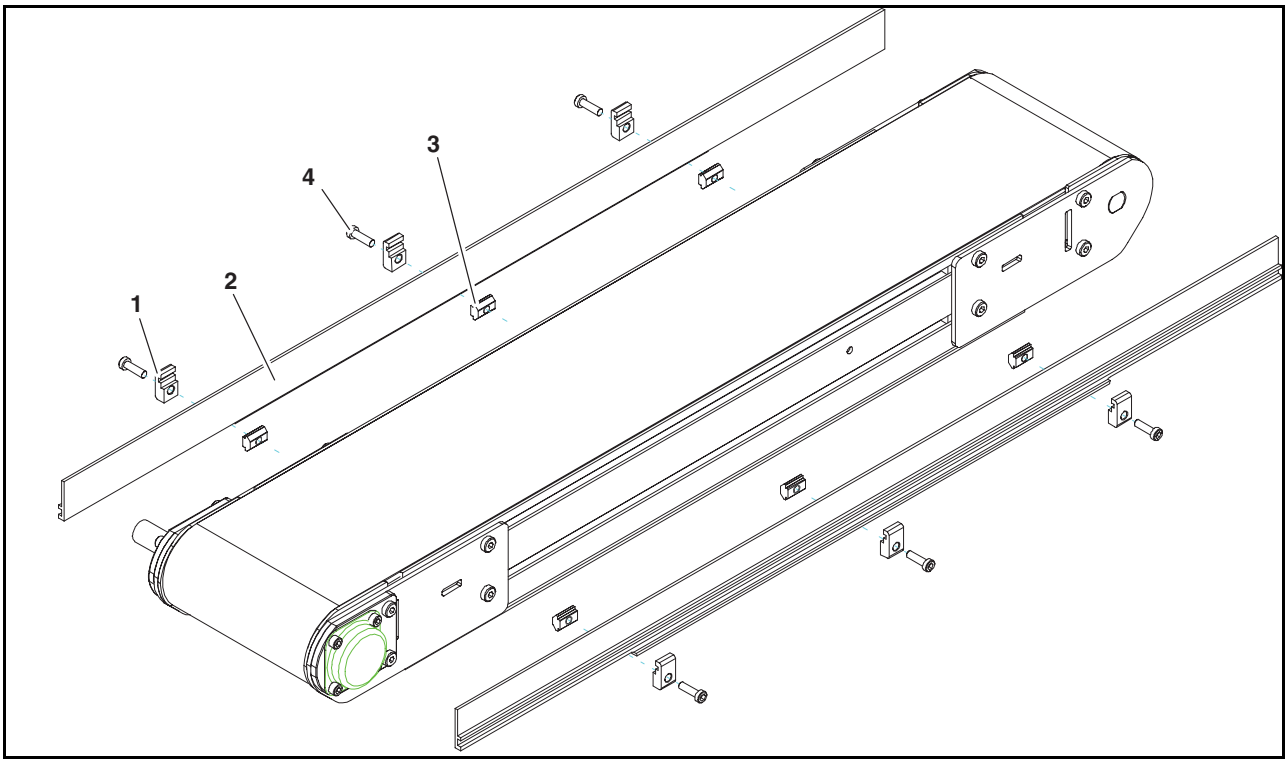
17’4” End Drive Conveyor with Standard Tails

Conveyor Length = 1733
Tail Factor = 00200

$$\text{\# of Sections (round up)} = \frac{(1733 - 0100)}{1200} = 1.36 = 2 \text{ Sections}$$

$$\underline{LLLLL} = \frac{(1733 \times 12) - 00200}{2} = 10298$$

–05 1.5” (38mm) Aluminum Side



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	380500–LLLLL (see Formulas)	3200 Guide, 0.5” (13mm) HS
3	639971M	Single Drop–in Tee Bar
4	920694M	Socket Head Screw M6 x 20mm

Length Formulas

Length Formulas

$$\underline{LLLLL} = \frac{(\text{Conveyor Length } \underline{XXXX}) \text{ X } 12 - \text{Tail Factor}}{\text{\# of Sections of Conveyor}}$$

Tail Factor =

00000	for center drive with transfer tail both ends
00100	for end drive with one transfer tail
00200	for end drive and center drives with standard tails
00325	for All Cleated Conveyors

$$\text{\# of Conveyor Sections} = \frac{(\text{Conveyor Length } \underline{XXXX} - 0100)}{1200}$$

XXXX = Conveyor Length (XX.XX ft)

Example

17’4” End Drive Conveyor with Standard Tails

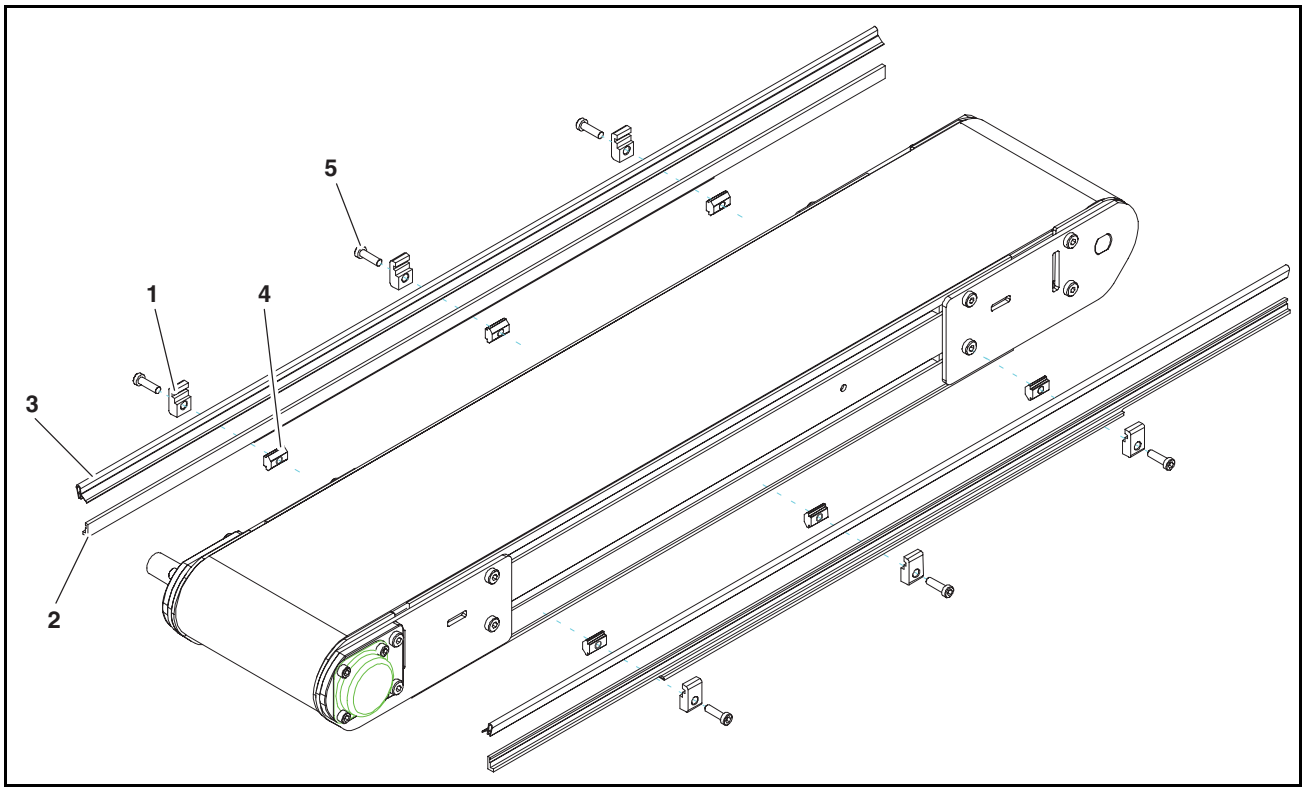
Conveyor Length = 1733
Tail Factor = 00200

$$\text{\# of Sections (round up)} = \frac{(1733 - 0100)}{1200} = 1.36 = 2 \text{ Sections}$$

$$\underline{LLLLL} = \frac{(1733 \times 12) - 00200}{2} = 10298$$

Service Parts

–07 Low to Side Wiper



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	380900–LLLLL (see Formulas)	3200 Guide, 0.5" (13mm) HS
3	41–00–24	Side Wiper Nylatron (per foot)
4	639971M	Single Drop–in Tee Bar
5	920694M	Socket Head Screw M6 x 20mm

Length Formulas

$$\underline{LLLLL} = \frac{(\text{Conveyor Length } \underline{XXXX}) \text{ X } 12 - \text{Tail Factor}}{\text{\# of Sections of Conveyor}}$$

Tail Factor =

00000	**for center drive with transfer tail both ends**
00100	**for end drive with one transfer tail**
00200	**for end drive and center drives with standard tails**
00325	**for All Cleated Conveyors**

$$\text{\# of Conveyor Sections} = \frac{(\text{Conveyor Length } \underline{XXXX} - 0100)}{1200}$$

XXXX = Conveyor Length (XX.XX ft)

Example

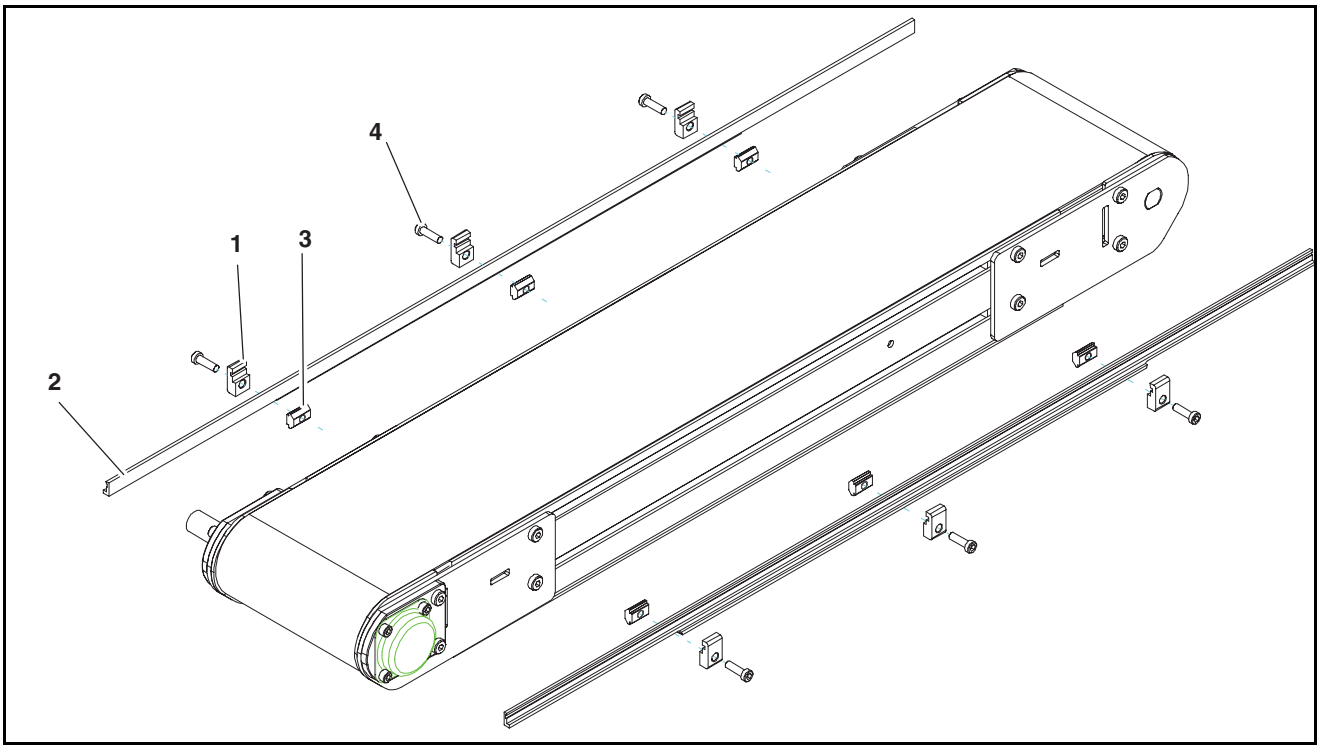
17'4" End Drive Conveyor with Standard Tails

Conveyor Length = 1733
Tail Factor = 00200

$$\text{\# of Sections (round up)} = \frac{(1733 - 0100)}{1200} = 1.36 = 2 \text{ Sections}$$

$$\underline{LLLLL} = \frac{(1733 \times 12) - 00200}{2} = 10298$$

–09 Low to High Side



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	380900–LLLLL (see Formulas)	2200 Guide, 0.5" (13mm) HS
3	639971M	Single Drop–in Tee Bar
4	920694M	Socket Head Screw M6 x 20mm

Length Formulas

$$\underline{LLLLL} = \frac{(\text{Conveyor Length } \underline{XXXX}) \times 12 - \text{Tail Factor}}{\text{\# of Sections of Conveyor}}$$

Tail Factor =

00000	for center drive with transfer tail both ends
00100	for end drive with one transfer tail
00200	for end drive and center drives with standard tails
00325	for All Cleated Conveyors

$$\text{\# of Conveyor Sections} = \frac{(\text{Conveyor Length } \underline{XXXX} - 0100)}{1200}$$

XXXX = Conveyor Length (XX.XX ft)

Example

17'4" End Drive Conveyor with Standard Tails

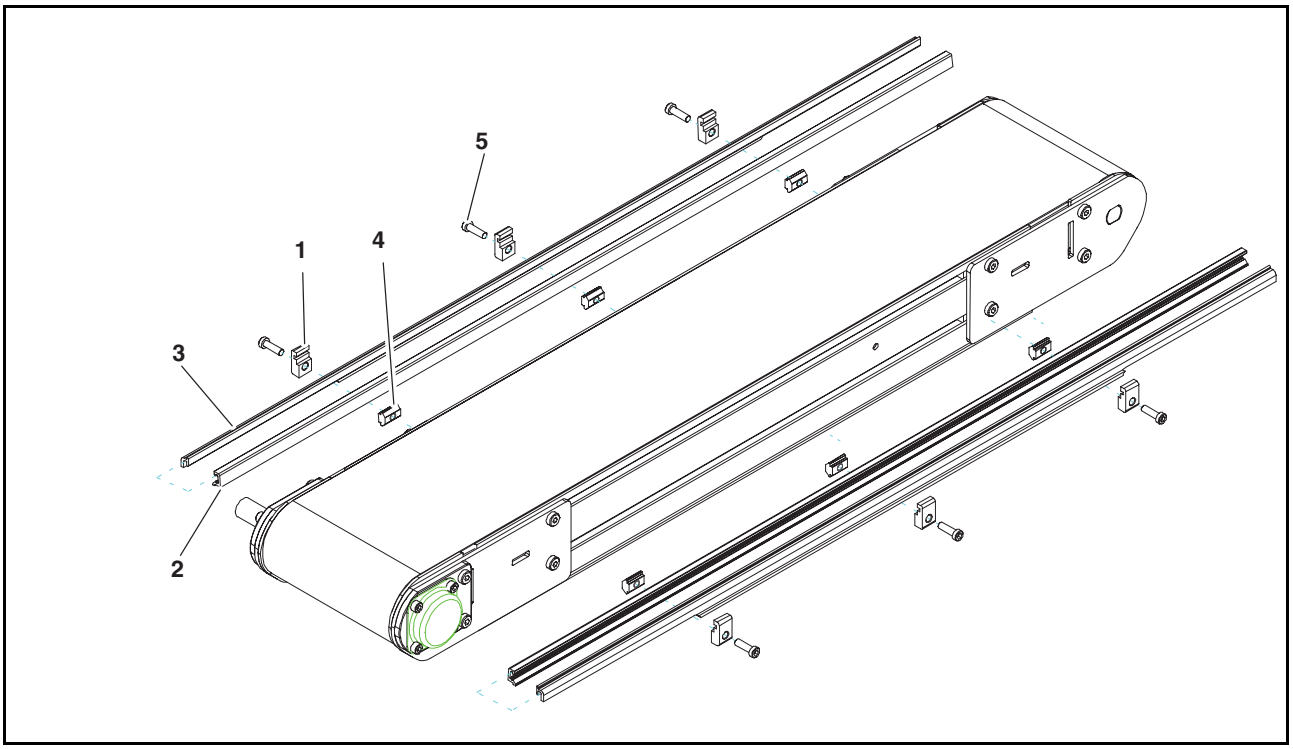
Conveyor Length = 1733
Tail Factor = 00200

$$\text{\# of Sections (round up)} = \frac{(1733 - 0100)}{1200} = 1.36 = 2 \text{ Sections}$$

$$\underline{LLLLL} = \frac{(1733 \times 12) - 00200}{2} = 10298$$

Service Parts

–10.5” (13mm) Extruded Plastic



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	200054P	Snap–On Guide (per foot)
3	3810000–LLLLL (see Formulas)	2200 Guide
4	639971M	Single Drop–in Tee Bar
5	920694M	Socket Head Screw M6 x 20mm

Length Formulas

$$\underline{LLLLL} = \frac{(\text{Conveyor Length } \underline{XXXX}) \text{ X } 12 - \text{Tail Factor}}{\text{\# of Sections of Conveyor}}$$

Tail Factor =

00000	for center drive with transfer tail both ends
00100	for end drive with one transfer tail
00200	for end drive and center drives with standard tails
00325	for All Cleated Conveyors

$$\text{\# of Conveyor Sections} = \frac{(\text{Conveyor Length } \underline{XXXX} - 0100)}{1200}$$

XXXX = Conveyor Length (XX.XX ft)

Example

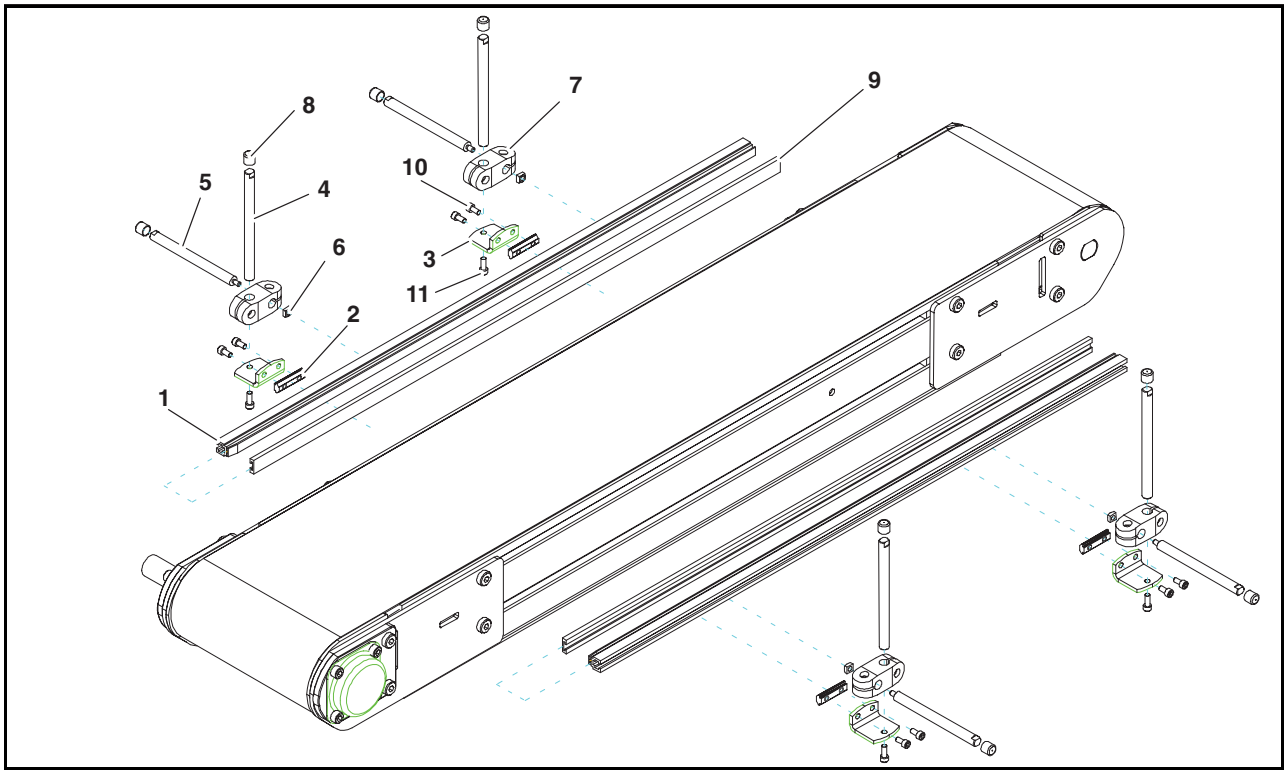
17’4” End Drive Conveyor with Standard Tails

Conveyor Length = 1733
Tail Factor = 00200

$$\text{\# of Sections (round up)} = \frac{(1733 - 0100)}{1200} = 1.36 = 2 \text{ Sections}$$

$$\underline{LLLLL} = \frac{(1733 \times 12) - 00200}{2} = 10298$$

–13 Adjustable Guiding

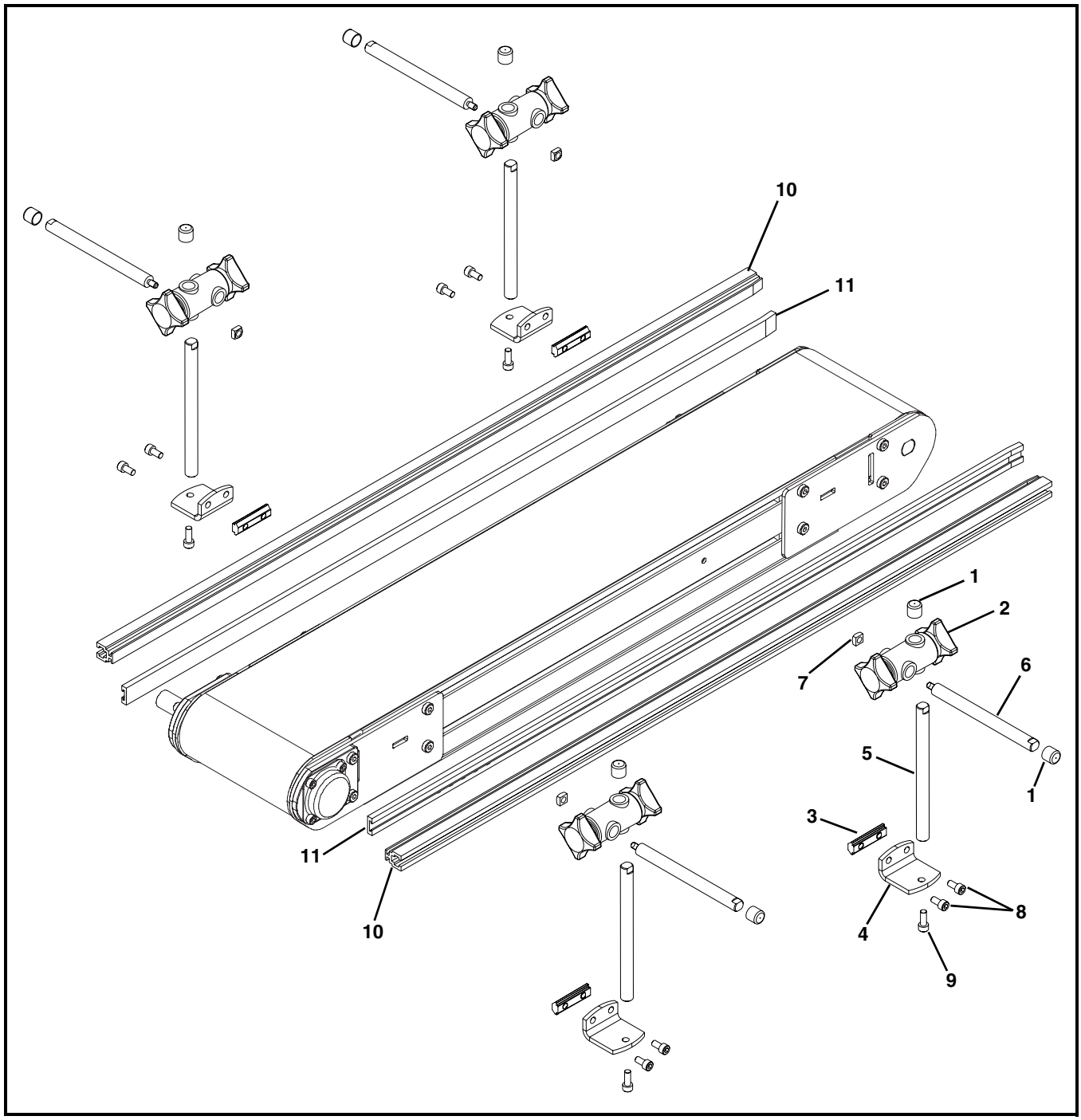


Item	Part Number	Description
1	202983	Aluminum Profile Guide 2’ (610mm)
	202984	Aluminum Profile Guide 3’ (914mm)
	202985	Aluminum Profile Guide 4’ (1219mm)
	202986	Aluminum Profile Guide 5’ (1524mm)
	202987	Aluminum Profile Guide 6’ (1829mm)
	202988	Aluminum Profile Guide 7’ (2134mm)
	202989	Aluminum Profile Guide 8’ (2438mm)
	202990	Aluminum Profile Guide 9’ (2743mm)
	202991	Aluminum Profile Guide 10’ (3048mm)
	202992	Aluminum Profile Guide 11’ (3353mm)
	202993	Aluminum Profile Guide 12’ (3658mm)
	202994	Aluminum Profile Guide 13’ (3962mm)

Item	Part Number	Description
2	200830M	Drop–In Tee Bar
3	202004	Mounting Bracket
4	202027M	Guide Mounting Shaft Vertical
5	202028M	Guide Mounting Shaft Horizontal
6	674175MP	Square Nut
7	807–652	Cross Block
8	807–948	Vinyl Shaft Cap
9	614068P	Flat Extruded Guide (per foot)
10	920612M	Socket Head Screw M6 x 12mm
11	920616M	Socket Head Screw M6 x 16mm

Service Parts

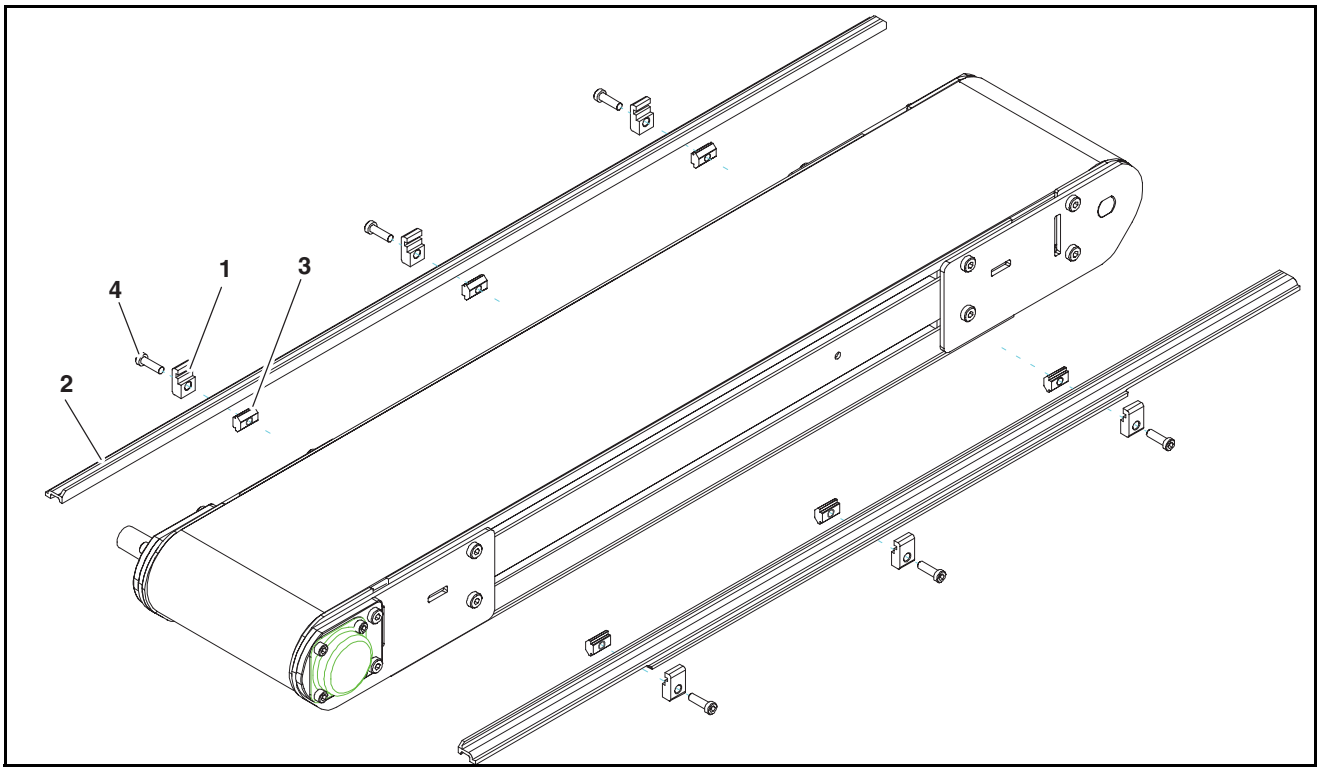
–14 Tool-Less Adjustable Guiding



Item	Part Number	Description
1	807-948	Shaft Cap
2	807-1470	Cross Block
3	200830M	Drop-In Tee Bar
4	202004M	Mounting Bracket
5	202027M	Vertical Mounting Guide Shaft
6	202028M	Horizontal Mounting Guide Shaft

Item	Part Number	Description
7	674175MP	Square Nut, M6-1.00
8	920612M	Socket Head Screw, M6-1.00 x 12 mm
9	920616M	Socket Head Screw, M6-1.00 x 16 mm
10	460063-LLLLL	Aluminum Profile Guide
11	614068P-LLLLL	Extruded Guide
LLLLL = Length in inches with 2 decimal places.		
Length Example: Length = 95.25" LLLLL = 09525		

.5” (13mm) Cleated Guiding



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	381600–LLLLL (see Formulas)	2200 Guide, 0.47” (13mm) Cleated
3	639971M	Drop–In Tee Bar
4	920694M	Socket Head Screw M6 x 20mm

Length Formulas

$$\underline{LLLLL} = \frac{(\text{Conveyor Length } \underline{XXXX}) \text{ X } 12 - \text{Tail Factor}}{\text{\# of Sections of Conveyor}}$$

Tail Factor =

00000	for center drive with transfer tail both ends
00100	for end drive with one transfer tail
00200	for end drive and center drives with standard tails
00325	for All Cleated Conveyors

$$\text{\# of Conveyor Sections} = \frac{(\text{Conveyor Length } \underline{XXXX} - 0100)}{1200}$$

XXXX = Conveyor Length (XX.XX ft)

Example

17’4” End Drive Conveyor with Standard Tails

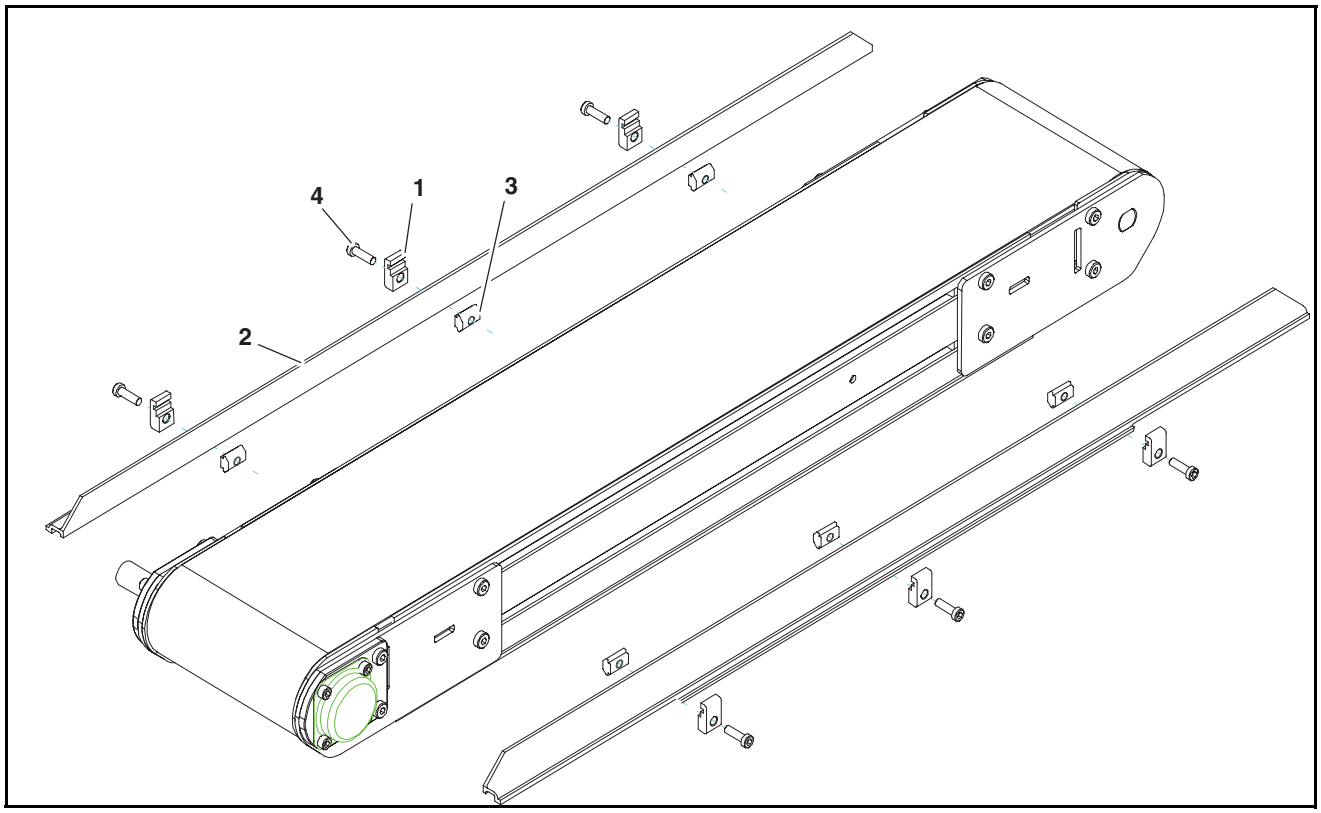
Conveyor Length = 1733
Tail Factor = 00200

$$\text{\# of Sections (round up)} = \frac{(1733 - 0100)}{1200} = 1.36 = 2 \text{ Sections}$$

$$\underline{LLLLL} = \frac{(1733 \times 12) - 00200}{2} = 10298$$

Service Parts

1” (25mm) Cleated Guiding



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	See Chart Below	3200 Guide 1” (25mm) Cleated
3	639971M	Drop–In Tee Bar
4	920694M	Socket Head Screw M6 x 20mm

Item 2: 3200 Guide		
# of Sections (see Formulas)		End Guide (for LLLLL See Formulas)
1	Each Side	381735–LLLLL
2	Left Hand	381736–LLLLL
	Right Hand	381737–LLLLL
3 or More	Left Hand	381736–LLLLL
	Middle Sections	381700–LLLLL
	Right Hand	381737–LLLLL

Length Formulas

$$\underline{LLLLL} = \frac{(\text{Conveyor Length } \underline{XXXX}) \text{ X } 12 - \text{Tail Factor}}{\text{\# of Sections of Conveyor}}$$

Tail Factor =

- **00000** for center drive with transfer tail both ends
- **00100** for end drive with one transfer tail
- **00200** for end drive and center drives with standard tails
- **00325** for All Cleated Conveyors

$$\text{\# of Conveyor Sections} = \frac{(\text{Conveyor Length } \underline{XXXX} - 0100)}{1200}$$

XXXX = Conveyor Length (XX.XX ft)

Example

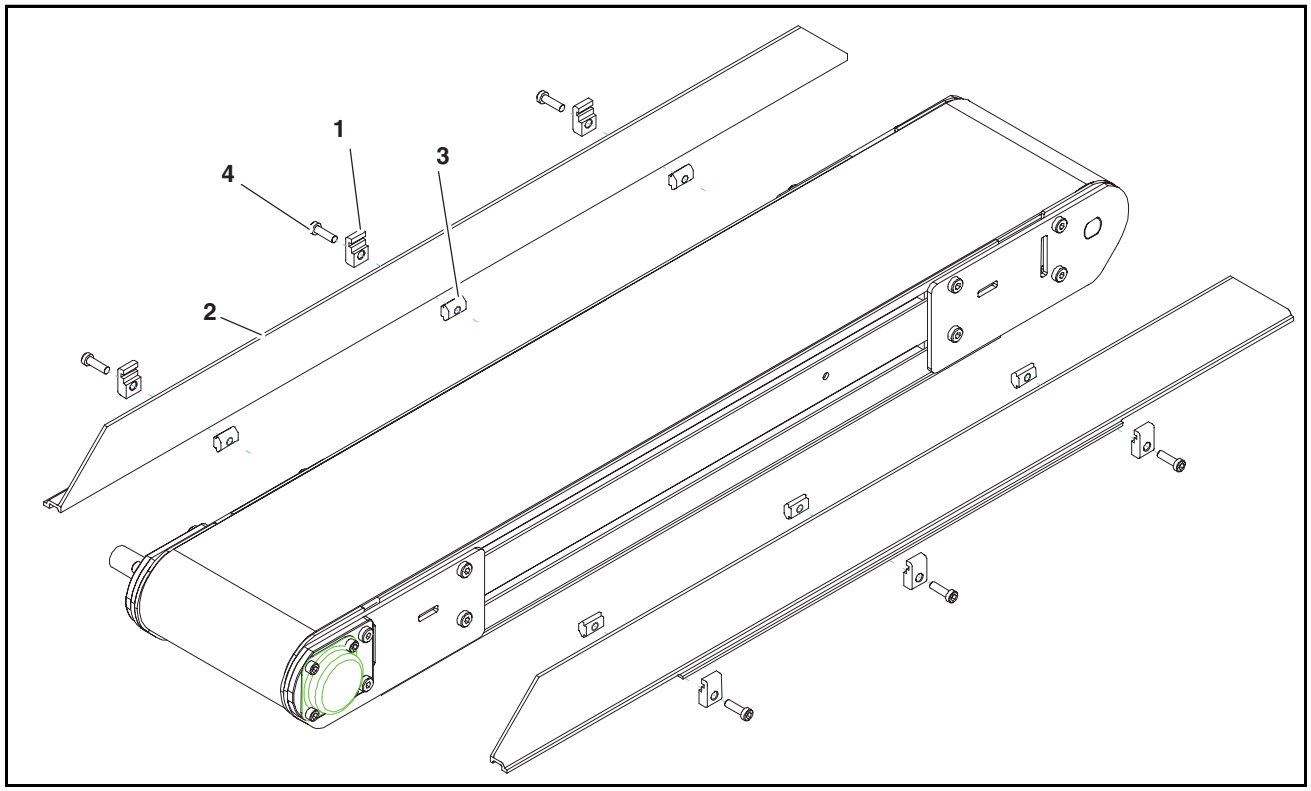
17’4” End Drive Conveyor with Standard Tails

Conveyor Length = 1733
Tail Factor = 00200

$$\text{\# of Sections (round up)} = \frac{(1733 - 0100)}{1200} = 1.36 = 2 \text{ Sections}$$

$$\underline{LLLLL} = \frac{(1733 \times 12) - 00200}{2} = 10298$$

2” (51mm) Cleated Guiding



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	See Chart Below	3200 Guide 2.3” Cleated
3	639971M	Drop–In Tee Bar
4	920694M	Socket Head Screw M6 x 20mm

Item 2: 3200 Guide		
# of Sections (see Formulas)		End Guide (for LLLLL See Formulas)
1	Each Side	381935–LLLLL
2	Left Hand	381936–LLLLL
	Right Hand	381937–LLLLL
3 or More	Left Hand	381936–LLLLL
	Middle Sections	381900–LLLLL
	Right Hand	381937–LLLLL

Length Formulas

$$\underline{LLLLL} = \frac{(\text{Conveyor Length } \underline{XXXX}) \times 12 - \text{Tail Factor}}{\#\text{ of Sections of Conveyor}}$$

Tail Factor =

- **00000** for center drive with transfer tail both ends
- **00100** for end drive with one transfer tail
- **00200** for end drive and center drives with standard tails
- **00325** for All Cleated Conveyors

$$\#\text{ of Conveyor Sections} = \frac{(\text{Conveyor Length } \underline{XXXX} - 0100)}{1200}$$

XXXX = Conveyor Length (XX.XX ft)

Example

17’4” End Drive Conveyor with Standard Tails

Conveyor Length = 1733
Tail Factor = 00200

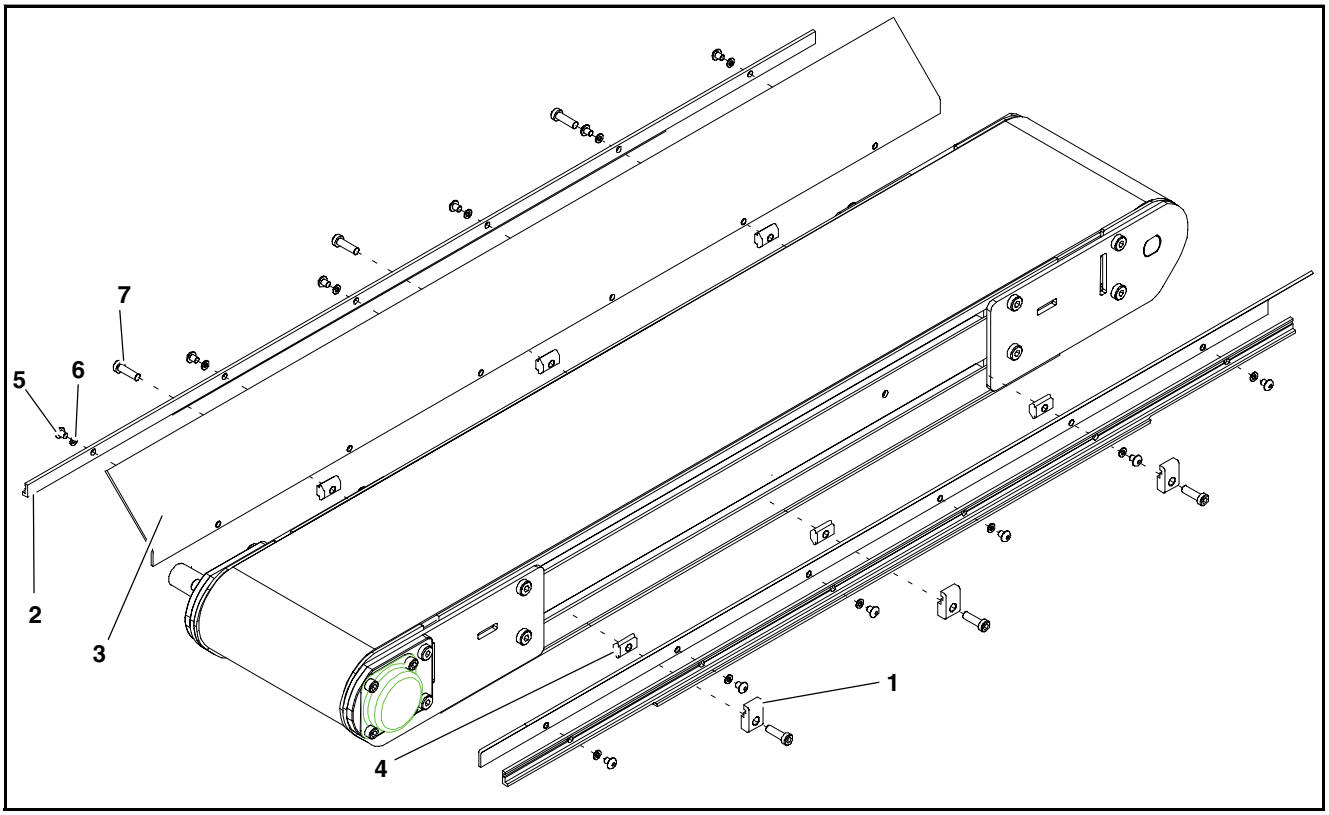
$$\#\text{ of Sections (round up)} = \frac{(1733 - 0100)}{1200} = 1.36 = 2 \text{ Sections}$$

$$\underline{LLLLL} = \frac{(1733 \times 12) - 00200}{2} = 10298$$

Figure 64

Service Parts

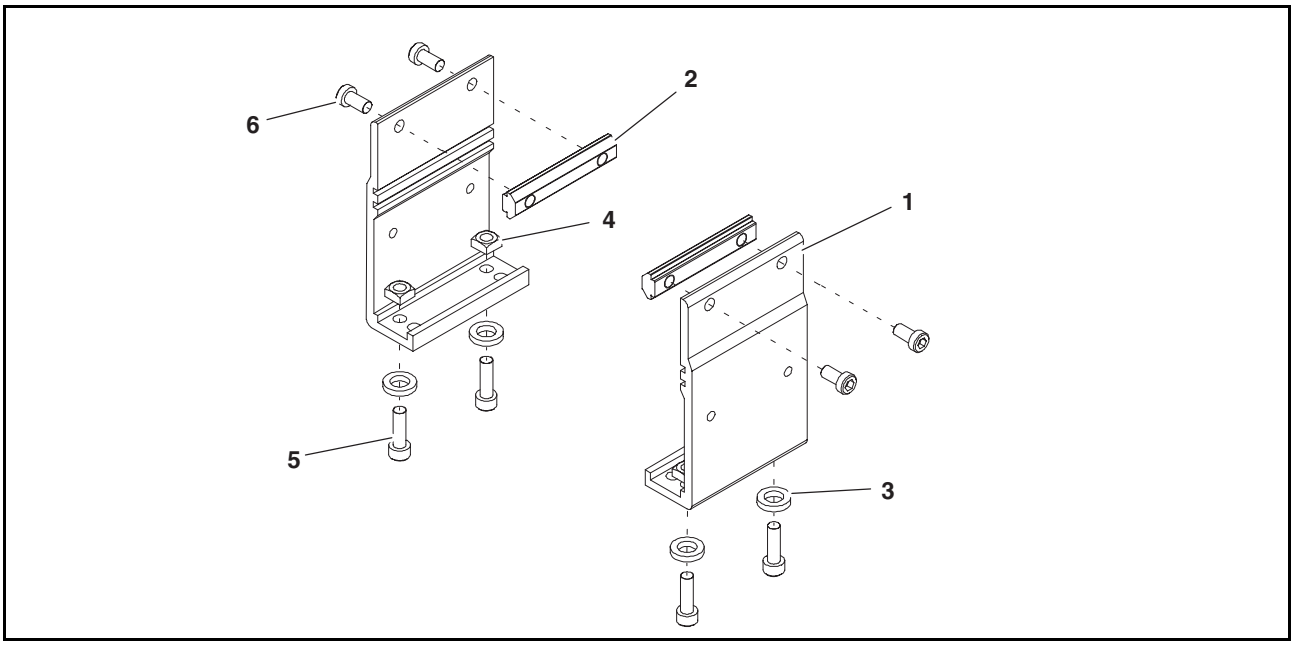
Flared Side Guiding



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	202212	Side–Flare Mounting Guide 2’ (610mm)
	202213	Side–Flare Mounting Guide 3’ (914mm)
	202214	Side–Flare Mounting Guide 4’ (1219mm)
	202215	Side–Flare Mounting Guide 5’ (1524mm)
	202216	Side–Flare Mounting Guide 6’ (1829mm)

Item	Part Number	Description
3	202522M	Flared Guide 45° 2’ (610mm)
	202523M	Flared Guide 45° 3’ (914mm)
	202524M	Flared Guide 45° 4’ (1219mm)
	202525M	Flared Guide 45° 5’ (1524mm)
	202526M	Flared Guide 45° 6’ (1829mm)
4	639971	Drop–In Tee Bar
5	910506M	Button Head Screw M5 x 6mm
6	911–512	Washer
7	920694M	Cap Low–Head Screw M6 x 20mm

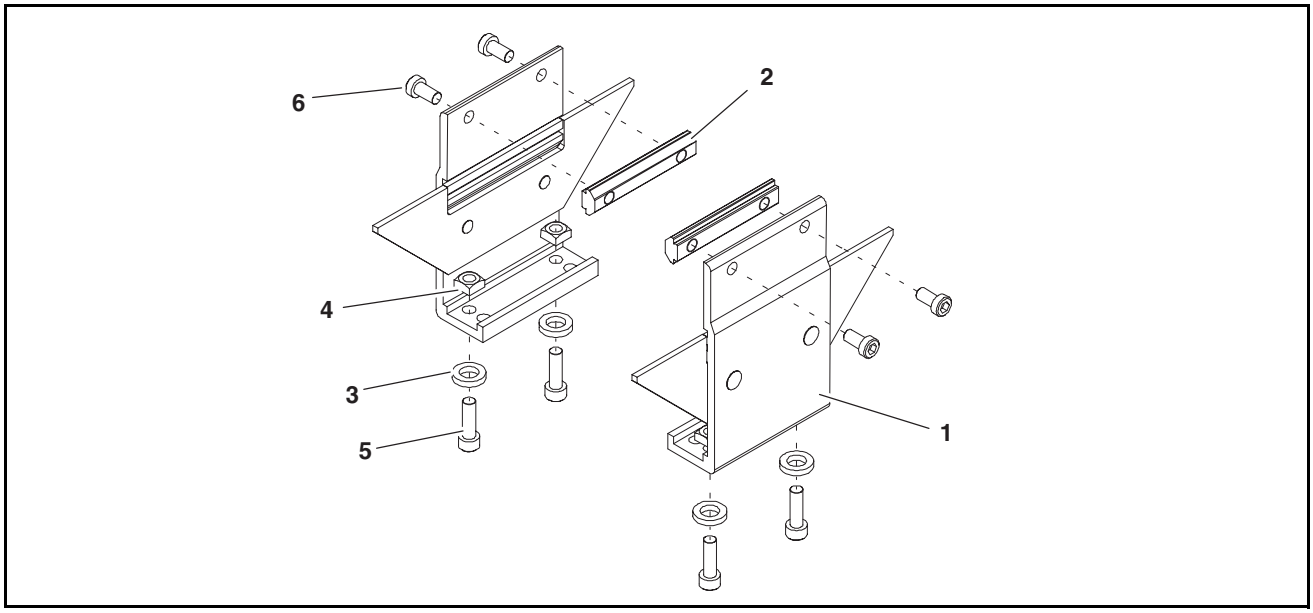
Flat Belt Mounting Brackets



Item	Part Number	Description
1	240831	Stand Mount
2	300150M	Drop−In Tee Bar
3	605279P	Washer

Item	Part Number	Description
4	807−920	Square Nut M6 5mm x 10mm
5	920620M	Socket Head Screw M6 x 20mm
6	920692M	Socket Head Screw M6 x 12mm

Cleated Belt Mounting Brackets

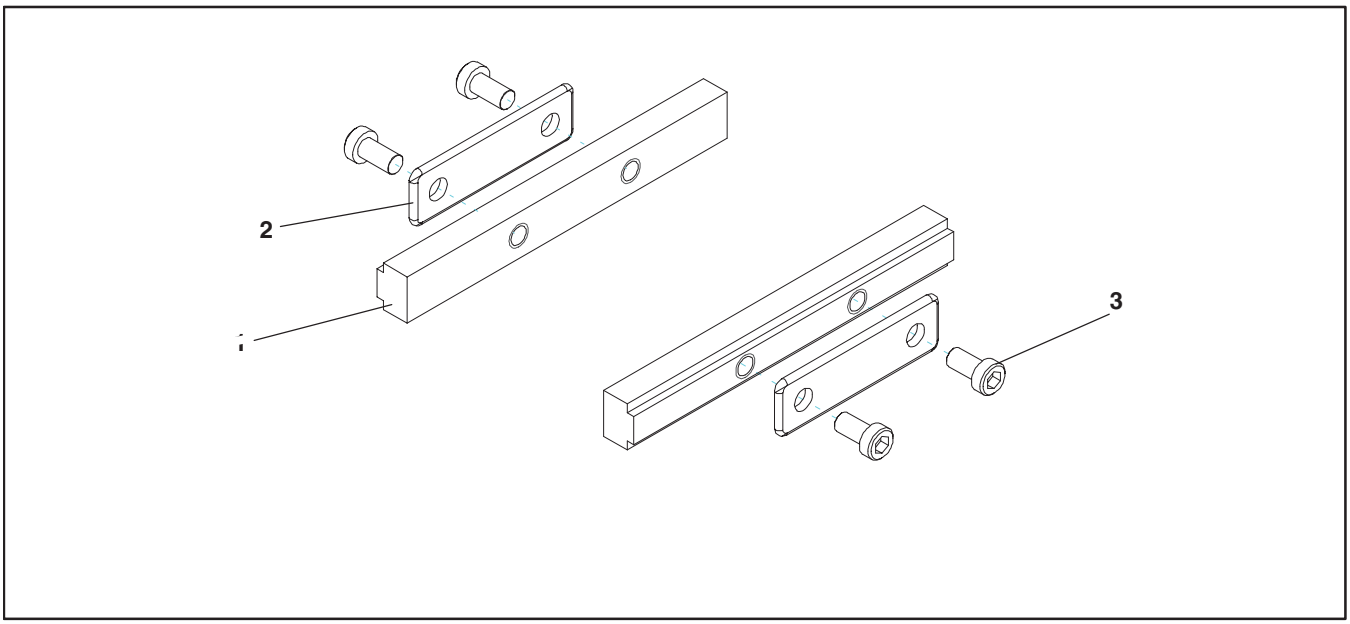


Item	Part Number	Description
1	240836	Cleated Mounting Assembly
2	300150M	Drop−In Tee Bar
3	605279P	Washer

Item	Part Number	Description
4	807−920	Square Nut M6 5mm x 10mm
5	920620M	Socket Head Screw M6 x 20mm
6	920692M	Socket Head Screw M6 x 12mm

Service Parts

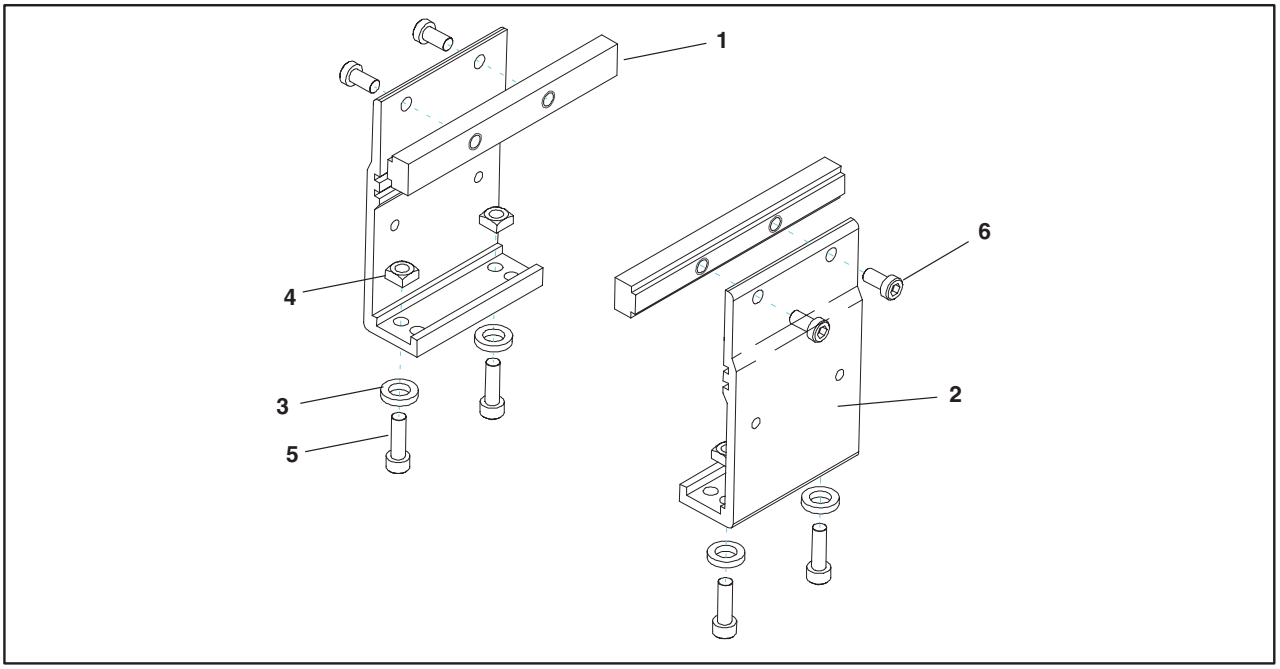
Connecting Assembly without Stand Mount



Item	Part Number	Description
1	240858	Frame Bar Connector
2	240859	Intermediate Clamp Plate

Item	Part Number	Description
3	920692M	Socket Head Screw M6 x 12mm

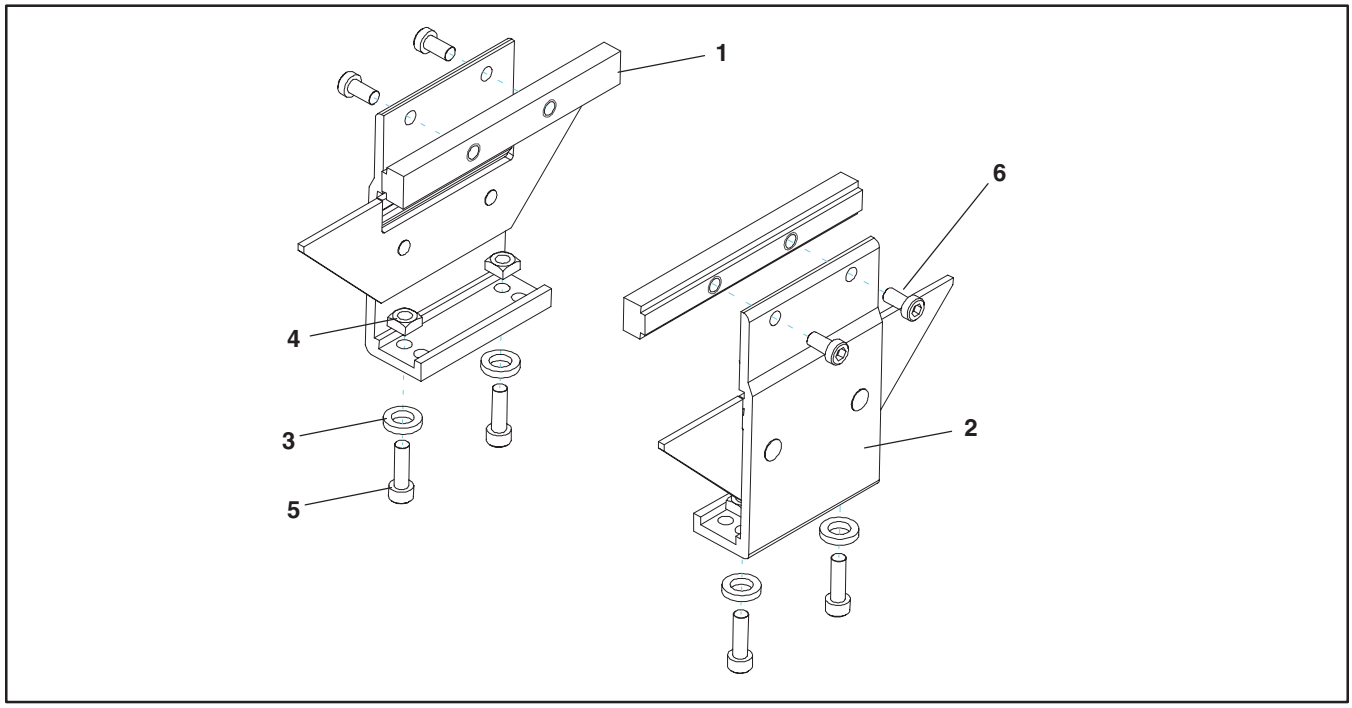
Flat Belt Connecting Assembly with Stand Mount



Item	Part Number	Description
1	240858	Frame Connector Bar
2	240837	Stand Mount Joint
3	605279P	Washer

Item	Part Number	Description
4	807–920	Square Nut M6 5mm x 10mm
5	920620M	Socket Head Screw M6 x 20mm
6	920692M	Socket Head Screw M6 x 12mm

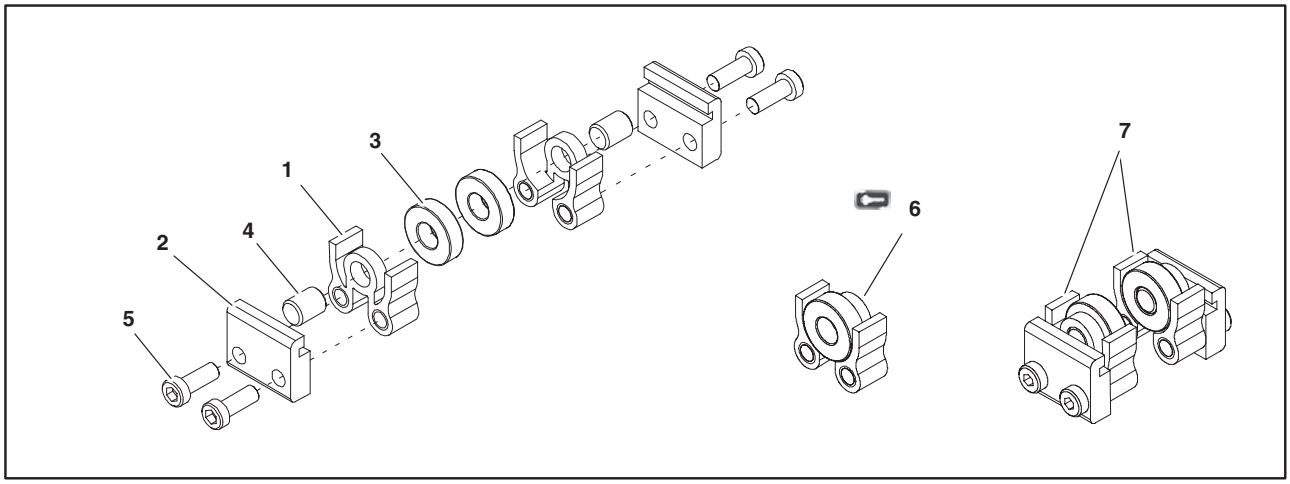
Cleated Belt Connecting Assembly with Stand Mount



Item	Part Number	Description
1	240858	Frame Connector Bar
2	240846	Cleat Stand Bracket Assembly
3	605279P	Washer

Item	Part Number	Description
4	807−920	Square Nut M6 5mm x 10mm
5	920620M	Socket Head Screw M6 x 20mm
6	920692M	Socket Head Screw M6 x 12mm

4” (102mm) to 6” (152mm) Flat Belt Return Roller

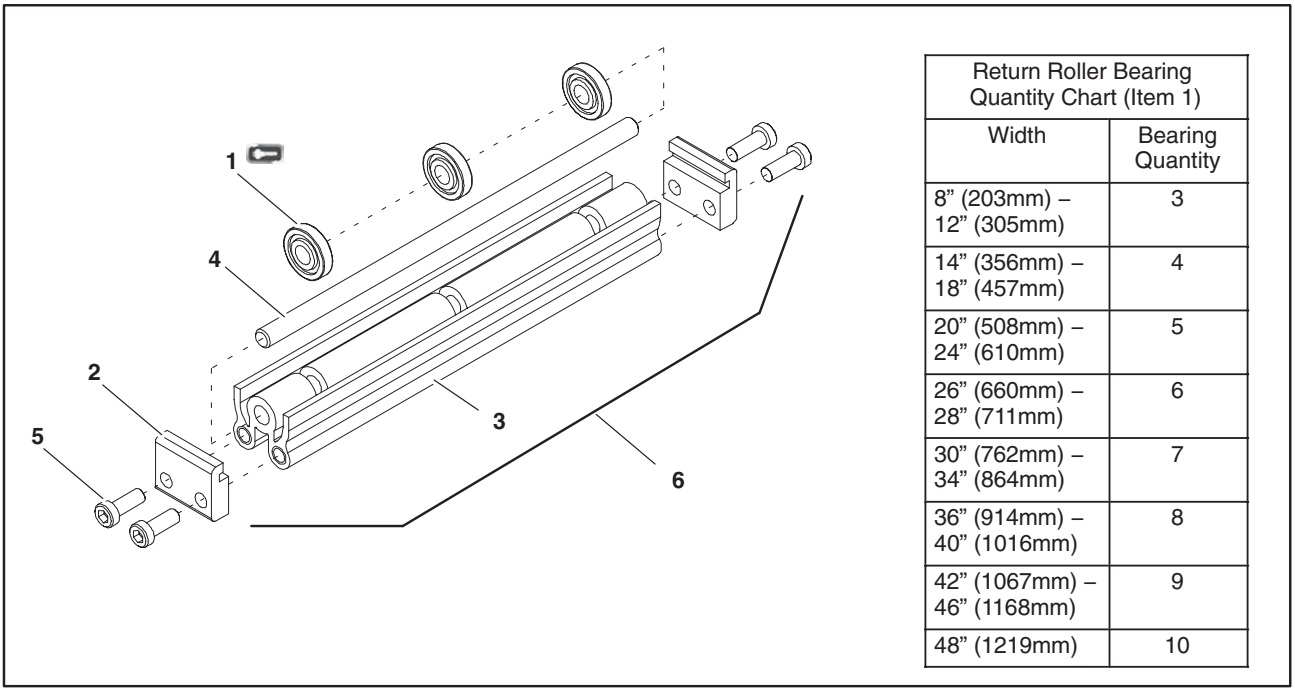


Item	Part Number	Description
1	240825	Return Roller Guard − Short
2	240827	Return Roller Clip
3	802−027	Bearing
4	913−100	Dowel Pin

Item	Part Number	Description
5	920693M	Socket Low Head Screw M6 x 16mm
6	240840	Roller Assembly (Includes Items 1, 3 and 4)
7	240830	4” (102mm) to 6” (152mm) Flat Belt Return Roller Assy

Service Parts

8” (203mm) to 48” (1219mm) Flat Belt Return Roller

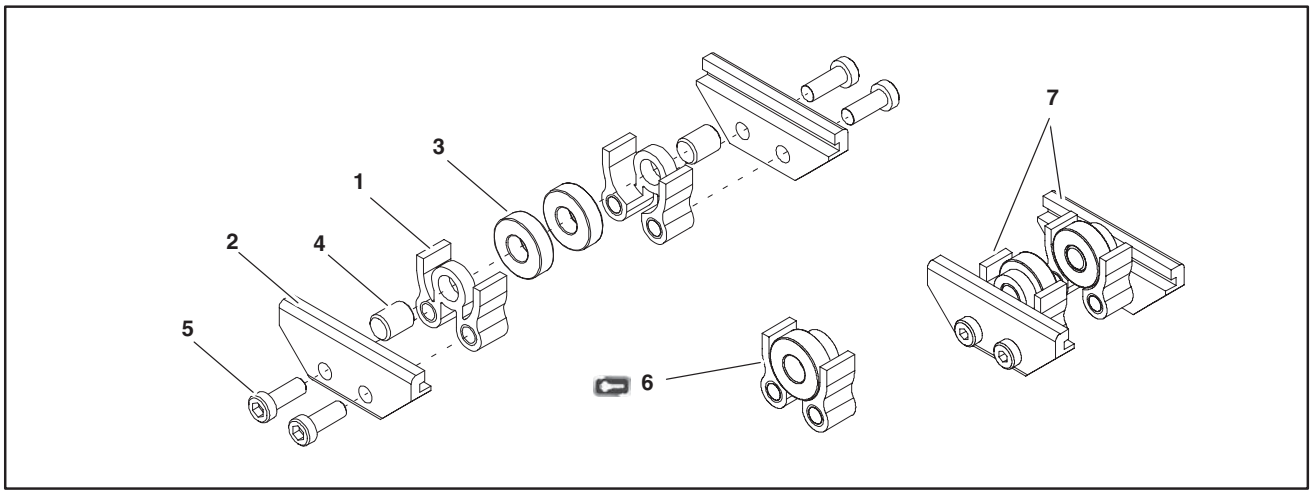


Return Roller Bearing Quantity Chart (Item 1)	
Width	Bearing Quantity
8” (203mm) – 12” (305mm)	3
14” (356mm) – 18” (457mm)	4
20” (508mm) – 24” (610mm)	5
26” (660mm) – 28” (711mm)	6
30” (762mm) – 34” (864mm)	7
36” (914mm) – 40” (1016mm)	8
42” (1067mm) – 46” (1168mm)	9
48” (1219mm)	10

Item	Part Number	Description
1	240826	Return Roller Bearing
2	240827	Return Roller Clip
3	2409WW	Return Roller Guard

Item	Part Number	Description
4	2410WW	Return Roller Rod
5	920693M	Socket Head Screw M6 x 16mm
6	3249WW	8” (203mm) – 48” (1219mm) Flat Belt Return Roller Assembly
WW = Conveyor width reference: 08 – 48 in 02 increments		

Cleated Belt Return Roller



Item	Part Number	Description
1	240825	Return Roller Guard – Short
2	240828	Cleated Return Roller Clip
3	802–027	Bearing
4	913–100	Dowel Pin

Item	Part Number	Description
5	920693M	Socket Low Head Screw M6 x 16mm
6	240840	Roller Assembly (Includes Items 1, 3 and 4)
7	240832	Cleated Belt Return Roller Assembly

Conveyor Belt Part Number Configuration

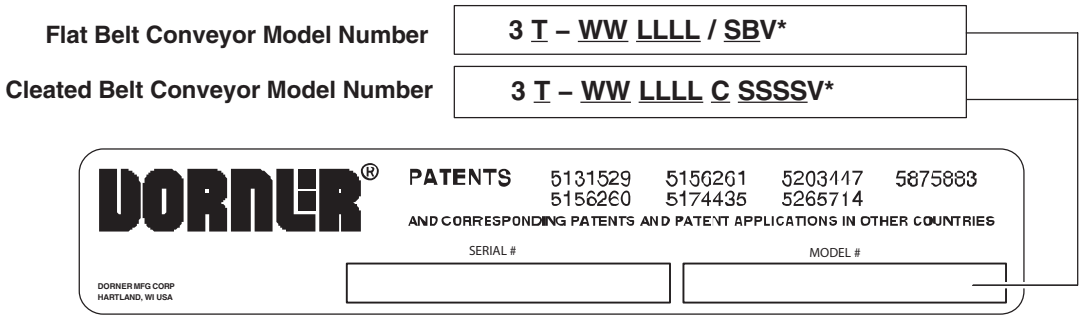
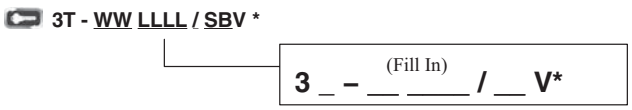


Figure 65

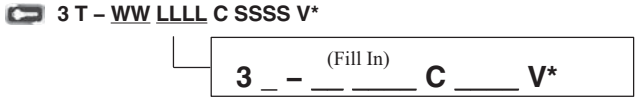
Flat Belt Part Number Configuration

Refer to Dorner patent plate (Figure 65). From the model number, determine tail type (“T”), width (“WW”), length (“LLLL”), splice type (“S”) and belt type (“B”). Use data to configure belt part number as indicated below. *Add “V” for V-guided belts.



Cleated Belt Part Number Configuration

Refer to Dorner patent plate (Figure 65). From the model number determine, cleated belt (“T”), width (“WW”), length (“LLLL”), cleat type (“C”), and cleat spacing (“SSSS”). Use data to configure belt part number as indicated below. *Add “V” for V-guided belt.



Return Policy

Returns must have prior written factory authorization or they will not be accepted. Items that are returned to Dorner without authorization will not be credited nor returned to the original sender. When calling for authorization, please have the following information ready for the Dorner factory representative or your local distributor:

1. Name and address of customer.
2. Dorner part number(s) of item(s) being returned.
3. Reason for return.
4. Customer's original order number used when ordering the item(s).
5. Dorner or distributor invoice number (if available, part serial number).

A representative will discuss action to be taken on the returned items and provide a Returned Goods Authorization (RMA) number for reference. RMA will automatically close 30 days after being issued. To get credit, items must be new and undamaged. There will be a return charge on all items returned for credit, where Dorner was not at fault. It is the customer's responsibility to prevent damage during return shipping. Damaged or modified items will not be accepted. The customer is responsible for return freight.

Conveyors and conveyor accessories

Standard catalog conveyors	30%
MPB, 7200, 7300 Series, cleated and specialty belt	50%
AquaGard & AquaPruf Series conveyors	non-returnable items
Engineered to order products	case by case
Drives and accessories	30%
Sanitary stand supports	non-returnable items

Parts

Standard stock parts	30%
Plastic chain, cleated and specialty belts	non-returnable items

Returns will not be accepted after 60 days from original invoice date. The return charge covers inspection, cleaning, disassembly, disposal and reissuing of components to inventory. If a replacement is needed prior to evaluation of returned item, a purchase order must be issued. Credit (if any) is issued only after return and evaluation is complete.

Dorner has representatives throughout the world. Contact Dorner for the name of your local representative. Our Customer Service Team will gladly help with your questions on Dorner products.

For a copy of Dorner's Warranty, contact factory, distributor, service center or visit our website at www.dorner.com.

For replacement parts, contact an authorized Dorner Service Center or the factory.

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