

2200 Series SmartFlex Conveyors

Installation, Maintenance & Parts Manual



DORNER MFG. CORP. P.O. Box 20 • 975 Cottonwood Ave. Hartland, WI 53029-0020 USA INSIDE THE USA TEL: 1-800-397-8664 FAX: 1-800-369-2440 OUTSIDE THE USA TEL: 262-367-7600 FAX: 262-367-5827

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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 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.

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

Warnings - General Safety

A WARNING

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

A DANGER



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

A 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.

A WARNING



Gearmotors may be HOT.

DO NOT TOUCH Gearmotors.

A 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.

A 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.

- 1 Infeed Module
- 2 Curve Module
- 3 Incline Module
- 4 Decline Module
- 5 Intermediate Module
- 6 Drive Module
- 7 Gearmotor
- 8 Stands

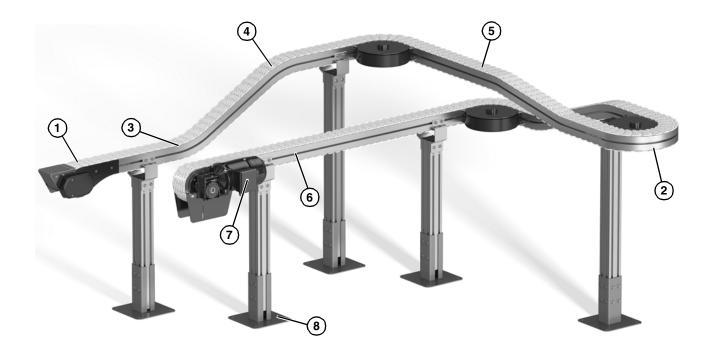
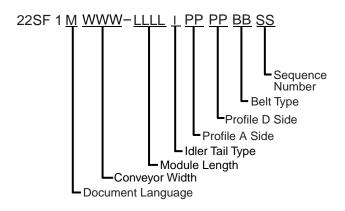


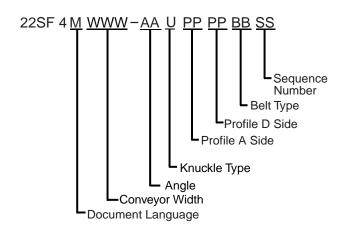
Figure 1

Modules:

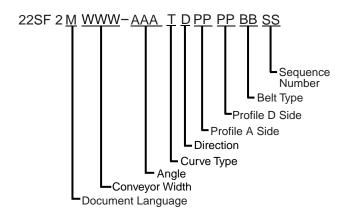
Infeed Module



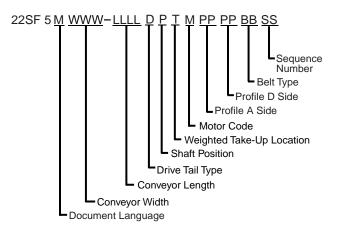
Incline/Decline Module



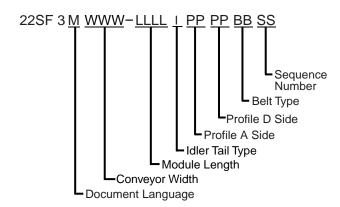
Curve Module



Drive Module



Intermediate Module



Conveyor Supports:

Maximum Distances:

1 = 36° (914 mm)

 $2 = 10 \text{ ft } (3048 \text{ mm})^*$

3 = 36° (914 mm)

* For conveyors longer than 10 ft (3048 mm), install support at joint.

Note: Additional support required on 180° curve modules.

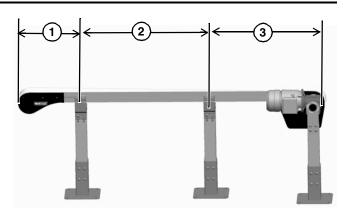


Figure 2

Specifications:

Conveyor Widths Reference (WW)	065	105	150			
Conveyor Belt Width	2.47" (63 mm)	4.05" (103 mm)	5.91" (150 mm)			
Maximum Load	330 lb (149 kg)	660 lb (299 kg)	660 lb (299 kg)			
Maximum Belt Speed	250 RPM					
Belt Takeup (Standard Weighted Take-up)	6" / 8" (152 mm / 203 mm)	6" / 8" (152 mm / 203 mm)	6" / 8" (152 mm / 203 mm)			
Module Length Reference		0167-5000				
Module Length	1.67' (509 mm)- 50.00' (15,240 mm)					
Total Conveyor Length		99 ft (30,175 mm) maximum				

Table 1: Gearmotor Specifications

U.S. Version

		Standa	ard Load Gearmotor							
Item	Single- Phase	Three Phase VEII Variable Sheen		DC Variable Speed						
Output Power		().5 hp (0.37 kw)							
Input Voltage	115 VAC	208 – 230/460 VAC	230 VAC	90VDC						
Input Frequency		60Hz	10 – 60Hz	N/A						
Input Current (Amperes)	7.4	2.1 – 2/1	1.6	5.0						
Gearmotor Ratios			5:1, 10:1, 20:1							
Frame Size		NEMA 56C								
Motor Type		Totally enclosed, Fan cooled								

CE Version

ltom	Standard Load Gearmotor								
Item	Single Phase	Three Phase	VFD Variable Speed						
Output Power		0.37 kW							
Input Voltage	230 VAC	230 VAC 230/400 VAC							
Input Frequency	50	Hz	25 to 63 Hz						
Input Current	2.6 Amperes	2.1/1.2 Amperes	2.1Amperes						
Gearmotor Ratios		5:1, 10:1, 20:1	•						
Protection Rating		IP55							
Frame Size	IEC 71 B5								

SEW Gearmotor Specifications

		Three Phase		VFD Vari Speed			
Output Power	0.5 Hp (0.37 kW)	0.75 Hp (0.56 kW)	1 Hp (0.75 kW)	0.5 Hp (0.37 kW)	0.75 Hp (0.56 kW)	1 Hp (0.75 kW)	
Input Voltage		230/460			230/460		
Input Frequency		60 Hz		10 to 60 Hz			
Input Current	1.84/0.92	2.50/1.25	2.90/1.44	1.84/0.92	2.50/1.25	2.90/1.44	
RPM	47	134	264	8 to 47	22 to 134	44 to 264	
Ratio	37.7:1	13.4:1	6.8:1	37.7:1	13.4:1	6.8:1	
Motor Frame	IEC71	IEC71	IEC80	IEC71	IEC71	IEC80	
Motor Type	IP54 T	otally Enclosed Fan Co	oled	IP54 Totally Enclosed Fan Cooled			

Table 2: Belt Speed for Standard Load Fixed Speed 90° Gearmotors

U.S. Version (60 Hz Gearmotors)

				Belt Speed			
Part Number	RPM	In-lb	n-lb N-m 65 n		65 mm		& 150mm
				Ft/min	M/min	Ft/min	M/min
32M060ES4(vp)FN	29	226	25.5	38	11.6	40	12.2
32M040ES4(vp)FN	43	247	27.9	58	17.7	60	18.3
32M020ES4(vp)FN	86	248	27.9	115	35.1	121	36.9
32M010ES4(vp)FN	173	156	17.6	230	70.1	241	73.5

(vp) = voltage and phase

11 = 115 V, 1-phase

23 = 208 - 230/460 V, 3-phase

CE Version (50 Hz Gearmotors)

				Speed		
Part Number	RPM	VI N-m	65 ı	mm	105 mm & 150 mm	
			Ft/min	M/min	Ft/min	M/min
62Z060ES4(vp)FN	23	26.8	31	9.4	33	10.1
62Z040ES4(vp)FN	35	29.4	47	14.3	49	14.9
32Z020ES4(vp)FN	70	29.9	93	28.3	98	29.9
32Z010ES4(vp)FN	140	21.5	187	57.0	196	59.7

(vp) = voltage and phase

23 = 230 V, 3-phase

21 = 230 V, 1-phase

43 = 400 V, 3-phase

Table 3: Belt Speeds for Standard Load Variable Speed 90° DC Gearmotors

U.S. Version (60 Hz Gearmotors)

					Belt 9	Speed	
Part Number	Part Number RPM	In-Ib N-m		65	mm	105 mm 8	<u> </u>
			Ft/min	M/min	Ft/min	M/min	
32M060ESD9DEN	42	198	22.4	6.8 - 56	2.1 - 17.1	7.0 - 58	2.1 - 17.7
32M040ESD9DEN	63	215	24.3	10 - 83	3.0 - 25.3	11 - 87	3.3 - 26.5
62M020ESD9DEN	125	196	22.1	20 - 167	6.1 - 50.9	21 - 175	6.4 - 53.3
62M010ESD9DEN	250	108	12.2	40 - 333	12.2 - 76.2	42 - 349	12.8 - 76.2

Table 4: Belt Speeds for Standard Load Variable Speed 90° VFD Gearmotors

U.S. Version (60 Hz Gearmotors)

					Belt	Speed	
Part Number	lumber RPM I	In-lb N-m		65	mm	105 mm	& 150mm
			200 255	Ft/min	M/min	Ft/min	M/min
32M060ES423EN	29	226	25.5	3.8 - 38	1.2 - 11.6	4.0 - 40	1.2 - 12.2
32M040ES423EN	43	247	27.9	5.8 - 58	1.8 - 17.7	6.0 - 60	1.8 - 18.3
32M020ES423EN	86	248	27.9	12 -115	3.7 - 35.1	12 - 121	3.7 - 36.9
32M010ES423EN	173	156	17.6	23 - 230	7.0 - 70.1	24 - 241	7.3 - 73.5

CE Version (50 Hz Gearmotors)

				Belt	Speed	
Part Number	RPM	N-m	65	mm	105 mm & 150mm	
			Ft/min	M/min	Ft/min	M/min
62Z060ES423EN	23	26.8	16 - 39	4.9 - 11.9	17 - 42	5.2 - 12.8
62Z040ES423EN	35	29.4	24 - 59	7.3 - 18.0	25 - 62	7.6 - 18.9
32Z020ES423EN	70	29.9	47 -117	14.3 - 35.7	49 - 123	14.9 - 37.5
32Z010ES423EN	140	21.5	94 - 236	28.7 - 71.9	98 - 247	29.9 - 75.3

Table 5: Belt Speeds for Standard Load SEW Fixed Speed Gearmotors

		Belt Speed		<u>'</u>			
Part Number	RPM	In-lb N-m				105 mm 8	<u> </u>
				Ft/min	M/min	Ft/min	M/min
32M038WS423EN	47	548	61.9	63	19.2	66	20.1
32M013WS423EN	134	327	37.0	179	54.6	187	57.0

Table 6: Belt Speeds for Standard Load SEW Variable Speed Gearmotors

Part Number					Belt 9	Speed	
	RPM	In-lb	N-m	65	mm	105 mm 8	<u> </u>
			Ft/min	M/min	Ft/min	M/min	
32M038WS423EN	47	548	61.9	6.3 - 63	1.9 - 19.2	6.6 - 66	2.0 - 20.1
32M013WS423EN	134	327	37.0	18 - 179	5.5 - 54.6	19 - 187	5.8 - 57.0
32M007WS423EN	264	221	25.0	35 - 352	10.7 - 76.2	37- 369	11.3 - 76.2

Table 7: Belt Speed for Heavy Load Fixed Speed 90° Gearmotors

U.S. Version (60 Hz Gearmotors)

				Belt Speed				
Part Number	RPM	In-lb	N-m	65 mm		105 mm & 150 mm		
				Ft/min	M/min	Ft/min	M/min	
32M100EH4(vp)FN	17	913	103	23	7.0	24	7.3	
32M080EH4(vp)FN	22	833	94	29	8.8	31	9.4	
32M060EH4(vp)FN	29	680	76	39	11.9	41	12.5	
32M050EH423FN	35	1206	136	47	14.3	49	14.9	
32M040EH423FN	43	1023	115	57	17.4	60	18.3	
32M030EH423FN	58	1217	137	77	23.5	81	24.7	
32M025EH423FN	69	1069	121	92	28.0	96	29.3	
32M020EH423FN	86	1184	134	115	35.1	120	36.6	
32M015EH423FN	115	910	103	153	46.6	161	49.1	
32M010EH423FN	173	636	72	231	70.4	242	73.8	

Table 8: Belt Speed for Heavy Load Variable Speed 90° VFD Gearmotors

U.S. Version (60 Hz Gearmotors)

		In-lb	N-m	Belt Speed			
Part Number	RPM			65 mm		105 mm & 150 mm	
				Ft/min	M/min	Ft/min	M/min
32M100HH423EN	17	913	103	2.3 - 23	0.7 - 7.0	2.4 - 24	0.7 - 7.3
32M080HH423EN	22	833	94	2.9 - 29	0.9 - 8.8	3.1 - 31	0.9 - 9.4
32M060HH423EN	29	680	76	3.9 - 39	1.2 - 11.9	4.1 - 41	1.2 - 12.5
32M050HH423EN	35	1206	136	4.7 - 47	1.4 - 14.3	4.9 - 49	1.5 - 14.9
32M040HH423EN	43	1023	115	5.7 - 57	1.7 - 17.4	6.0 - 60	1.8 - 18.3
32M030HH423EN	58	1217	137	7.7 - 77	2.3 - 23.5	8.1 - 81	2.5 - 24.7
32M025HH423EN	69	1069	121	9.2 - 92	2.8 - 28.0	9.6 - 96	2.9 - 29.3
32M020HH423EN	86	1184	134	12 - 115	3.7 - 35.1	12 - 120	3.7 - 36.6
32M015HH423EN	115	910	103	15 - 153	4.6 - 46.6	16 - 161	4.9 - 49.1
32M010HH423EN	173	636	72	23 - 231	7.0 - 70.4	24 - 242	7.3 - 73.8

Table 9: Belt Speeds for Heavy Load SEW Fixed Speed Gearmotors

Part Number	RPM	In-Ib	N-m	Belt Speed			
				65 mm		105 mm & 150 mm	
				Ft/min	M/min	Ft/min	M/min
32M128WH423EN	13	991	112.0	17	5.2	18	5.5
32M044WH423EN	38	973	109.9	51	15.5	53	16.2
32M016WH423EN	106	787	88.9	141	43.0	148	45.1
32M008WH423EN	201	575	65.0	268	81.7	281	85.6

Table 10: Belt Speeds for Heavy Load SEW Variable Speed Gearmotor

				Belt Speed			
Part Number	RPM In-Ib		N-m	65 mm		105 mm & 150 mm	
				Ft/min	M/min	Ft/min	M/min
32M128WH423EN	13	991	112.0	1.7 - 17	0.5 - 5.2	1.8 - 18	0.5 - 5.5
32M044WH423EN	38	973	109.9	5.1 - 51	1.6 - 15.5	5.3 - 53	1.6 - 16.2
32M016WH423EN	106	787	88.9	14 - 141	4.3 - 43.0	15 - 148	4.6 - 45.1
32M008WH423EN	201	575	65.0	27 - 268	8.2 - 81.7	28 - 281	8.5 - 85.6

Required Tools

- 3/32" hex wrench
- 3 mm hex wrench
- 4 mm hex wrench
- 5 mm hex wrench
- 6 mm hex wrench
- 8 mm hex wrench
- 10 mm wrench
- 13 mm wrench
- 16 mm wrench
- Belt Removal Tool #203480

Recommended Installation Sequence

- Locate and arrange sections by section labels:
- Assemble conveyor (Module lengths longer than 10 ft (3000 mm)")
- · Install knuckles
- · Install curves
- · Install tails
- Unroll wear strips
- Install mounting bracket
- Install support stands
- · Install belt
- Install weighted take-up
- Install guiding
- Install drive package
 - Motor mounting package
 - Gearmotor

Typical Connecting Components (Figure 3)

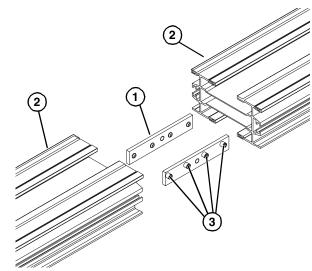


Figure 3

- 1 Clamp Plate
- 2 Conveyor frames
- 3 Set Screw, M8 1.25 x 10 mm

Module Lengths Longer Than 10 ft (3048 mm)

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

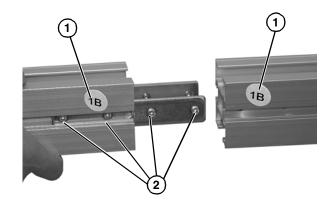


Figure 4

2. Join both conveyor sections, and tighten two set screws (**Figure 4, item 2**) on both sides. Tighten all set screws 1/4 turn past contact with frame.

Knuckles

NOTE

Be sure all frame sections (Figure 5, item 1) are properly supported during knuckle assembly.

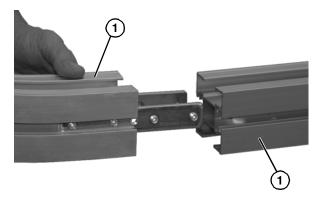


Figure 5

1. Join knuckle conveyor frame section (**Figure 6, item 1**), and conveyor frame (**Figure 6, item 2**) and secure with two set screws (**Figure 6, item 3**) on both sides. Tighten all set screws 1/4 turn past contact with frame.

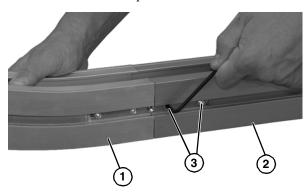


Figure 6

Curves

Typical Curve Connecting Components (Figure 7)

- 1 Clamp Plate
- 2 Conveyor Frames
- 3 Curve Assembly
- 4 Set Screw, M8 1.25 x 10 mm

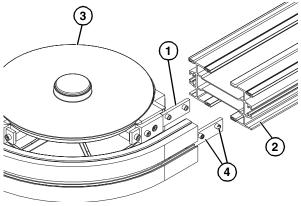


Figure 7

1. Remove two screws (**Figure 8, item 1**) and guard (**Figure 8, item 2**) from curve assembly.

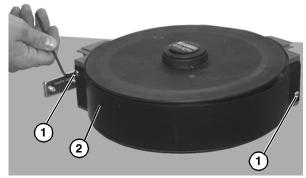


Figure 8

 Install curve assembly (Figure 9, item 1) clamp plates (Figure 9, item 2) into one conveyor section (Figure 9, item 3) by lining up clamp plate with slot in conveyor frame.

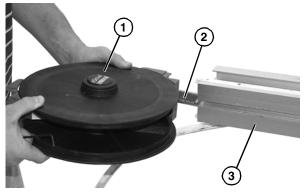


Figure 9

3. Secure with two set screws (**Figure 10, item 1**). Tighten all set screws 1/4 turn past contact with frame.

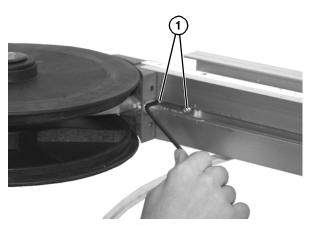


Figure 10

4. Install outer curve frame assembly (Figure 11, item 1) clamp plate (Figure 11, item 2) into conveyor frame section (Figure 11, item 3) by lining up clamp plate with slot in conveyor frame.

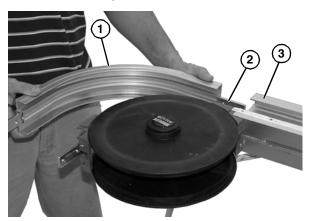


Figure 11

- 5. Install opposite end of conveyor onto curve assembly, repeating procedure. Tighten all set screws 1/4 turn past contact with frame.
- 6. Install guard with (Figure 12, item 1) two screws (Figure 12, item 2).

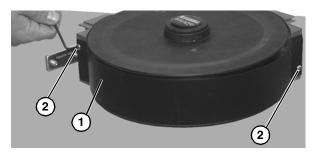


Figure 12

Tails

1. Install tail assembly (**Figure 13, item 1**) clamp plate into conveyor frame section (**Figure 9, item 2**) by lining up clamp plate with slot in conveyor frame.

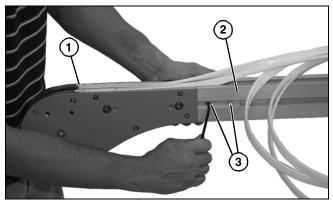


Figure 13

2. Secure with two set screws (**Figure 13, item 3**). Tighten all set screws 1/4 turn past contact with frame.

Unroll Wear Strips

NOTE

Top and bottom wear strips are shipped pinned/attached at various places on conveyor.

1. Unroll wear strip (**Figure 14, item 1**).

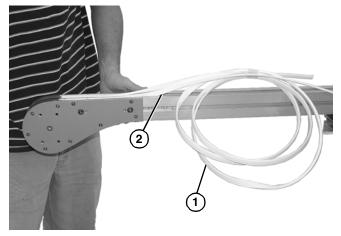


Figure 14

2. Guide wear strip into channel (**Figure 14, item 2**) on conveyor frame.

Mounting Brackets

1. Locate brackets. Exploded views shown in Figure 15.

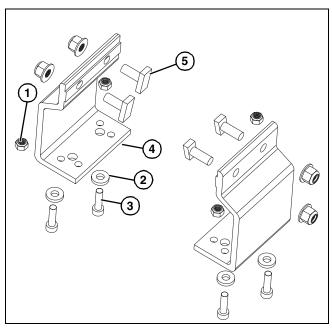


Figure 15

- Remove nuts (Figure 15, item 1), washers (Figure 15, item 2), and screws (Figure 15, item 3) from brackets (Figure 15, item 4).
- 3. Insert bracket with studs (**Figure 15, item 5**) with head parallel to slot into conveyor side slots.
- Fasten brackets (Figure 16, item 1) to conveyor with nuts (Figure 16, item 2) on studs. Turn nuts clockwise to rotate studs in side slots.

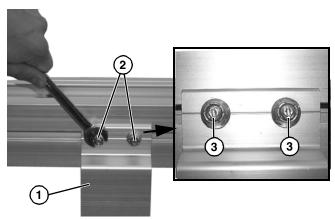


Figure 16

NOTE

Be certain that stud slot (Figure 16, item 3) is close to vertical when finished tightening nut.

5. Tighten nuts (Figure 16, item 2).

Install Support Stands

NOTE

For detailed assembly instructions, please see your appropriate support stand manual.

1. Fasten brackets (**Figure 17, item 1**) to support stand (**Figure 17, item 2**) with mounting screws, washers, and nuts (**Figure 17, item 3**).



Figure 17

Belt Installation

Typical Belt Components (Figure 18).

- 1 Chain Belt
- 2 Belt Rod

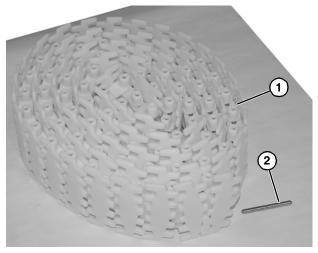


Figure 18

1. Position the belt on the conveyor frame.

2. Install the belt with direction arrow (**Figure 19**, **item 1**) pointing in direction of belt travel (**Figure 19**, **item 2**). Install belt from under tail end (**Figure 19**, **item 3**) and onto cogs (**Figure 19**, **item 4**) of shaft.

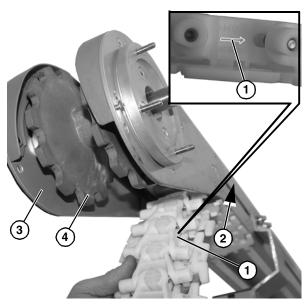


Figure 19

3. Continue wrapping belt (**Figure 20, item 1**) on top of idler tail retaining guide (**Figure 20, item 2**), continuing to turn shaft (**Figure 20, item 3**) to guide belt around cogs (**Figure 20, item 4**) of shaft.

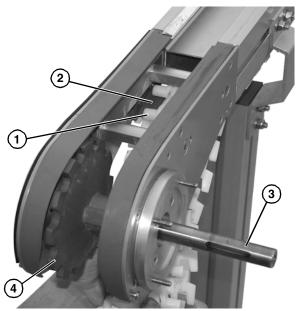


Figure 20

4. Insert the belt rod:

Standard Tail

- Install belt around drive end of conveyor and bring the ends of the belt (**Figure 22, item 1**) together.
- Insert rod (Figure 22, item 2).

NOTE

Before inserting belt rod to connect belt ends, be certain that the slack on belt is showing in slotted area (Figure 21, item 1) on conveyor drive end.

• Use punch and hammer or belt removal tool #203480 to press pin just below flush with side of belt. Stop when pin detent is felt.

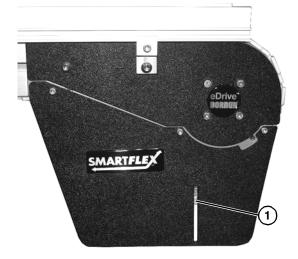


Figure 21

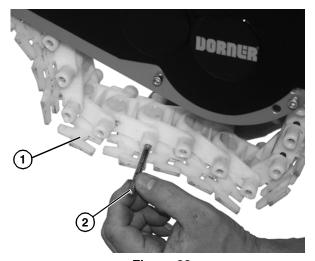


Figure 22

Weighted Take Up Tail

- Install belt around drive end of conveyor and bring the ends (**Figure 23**, **item 1**) of the belt together.
- Insert rod (Figure 23, item 2).
- Use punch and hammer or belt removal tool #203480 to press pin just below flush with side of belt. Stop when pin detent is felt.

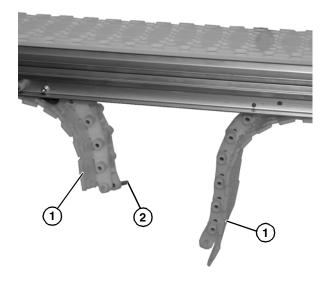


Figure 23

Weighted Take-Up

1. Install idler pulley assembly (**Figure 24, item 1**) onto belt (**Figure 24, item 2**).

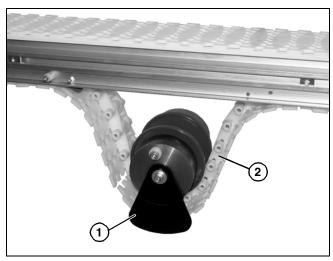


Figure 24

2. Make sure teeth on pulley and guard are facing mating teeth on take up box assembly.

3. Raise weighted take up box assembly, with plate (Figure 25, item 1) on idler pulley assembly on outside of outer plate (Figure 25, item 2) weighted take up assembly.

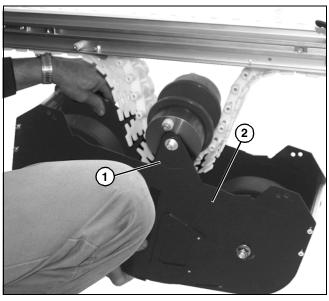


Figure 25

4. Raise weighted take up assembly (Figure 26, item 1) with notch (Figure 26, item 2) in assembly mating with stud (Figure 26, item 3) on conveyor frame.

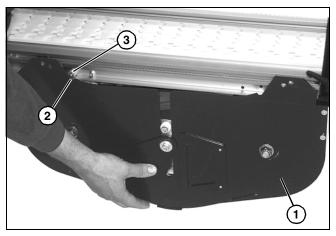


Figure 26

5. Install and tighten two hex head screws (**Figure 27**, **item 1**) on each side to secure assembly to frame.

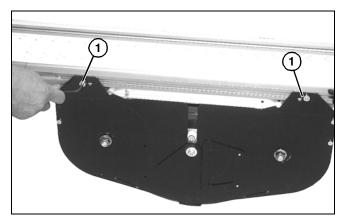


Figure 27

Install Guiding

All guiding must be located and installed by the end user.

Standard 1.5" Guiding

1. Install stud (**Figure 28, item 1**) onto retaining clip (**Figure 28, item 2**) with nut (**Figure 28, item 3**).

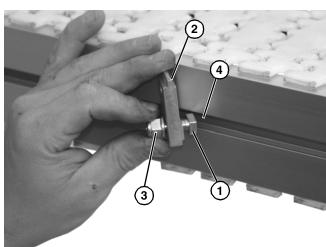


Figure 28

 Install stud (Figure 28, item 1) into side rail channel (Figure 28, item 4). The end clips should be no greater than 12" from end of the conveyor. 3. Fasten retaining clip (Figure 29, item 1) to conveyor with nut (Figure 29, item 2) on stud.

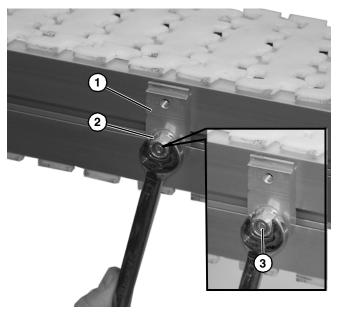


Figure 29

NOTE

Be certain that slot (Figure 29, item 3) is close to vertical when finished tightening nut.

- 4. Tighten nuts (**Figure 29, item 2**).
- 5. Install guide (**Figure 30, item 1**) and retaining clip (**Figure 30, item 2**) to conveyor side rail with socket head screw (**Figure 30, item 3**).

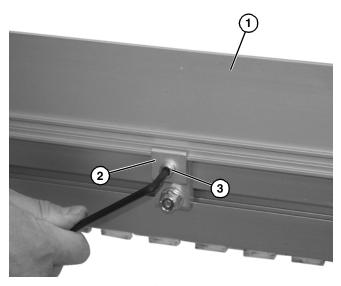


Figure 30

Fully Adjustable Guiding

Install stud (Figure 31, item 1) on guiding assembly (Figure 31, item 2) into side rail channel (Figure 31, item 3). The end guiding assemblies should be no greater than 12" from end of the conveyor.

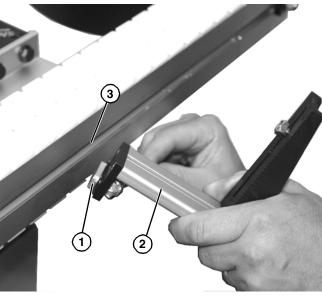


Figure 31

2. Tighten stud on guiding assembly (**Figure 32, item 1**) to conveyor with nut (**Figure 32, item 2**) on stud.

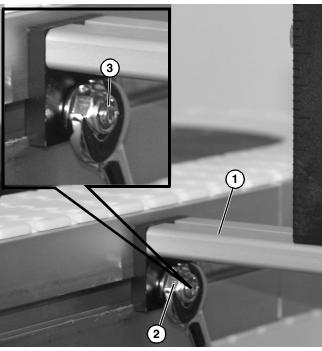


Figure 32

NOTE

Be certain that slot (Figure 32, item 3) is close to vertical when finished tightening nut.

- 3. Tighten nuts (Figure 32, item 2).
- 4. Install guide rail (**Figure 33, item 1**) onto square nut (**Figure 33, item 2**) onto mounting bracket (**Figure 33, item 3**) with socket head screw (**Figure 33, item 4**) or handle (**Figure 34, item 1**) for tool-less guiding.

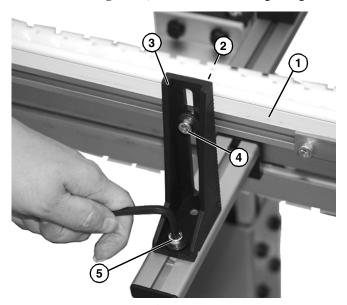


Figure 33

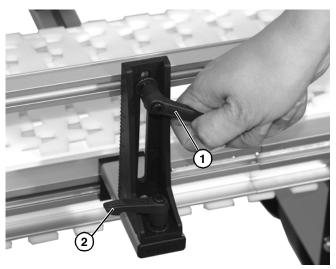


Figure 34

5. Loosen socket head screw (**Figure 33, item 5**) or handle (**Figure 34, item 2**) and adjust mounting bracket (**Figure 33, item 3**) as needed.

For curves, install inside of curve guide rail (Figure 35, item 1) to straight guide rails (Figure 35, item 2).
 Tighten set screws (Figure 35, item 3).

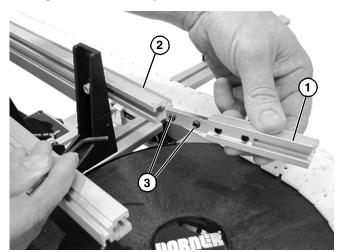


Figure 35

- 7. To install curve assembly guiding, start at one end of the conveyor and slide the guiding over the guide rails.
- 8. On the inside of the curve, install inner guiding (**Figure 36**, **item 1**) onto both of the inner guide rails (**Figure 36**, **item 2**).

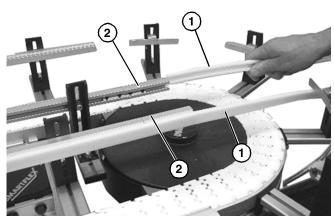


Figure 36

9. On outside of curve, install guiding (**Figure 37, item 1**) on the guide supports (**Figure 37, item 2**).

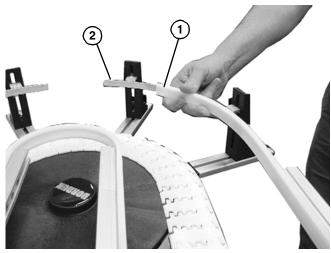


Figure 37

- To adjust guiding width loosen screws (Figure 33, item 5) or handle (Figure 34, item 2). Adjust to desired width. Tighten screw or handle.
- 11. To adjust guiding height loosen screws (**Figure** 33, item 4) or handle (**Figure 34, item 1**). Adjust to desired height. Tighten screw or handle.

Install Drive Package

NOTE

For detailed assembly instructions, refer to the appropriate Drive Packages Installation, Maintenance and Parts Manual.

Install spacer (when applicable) (Figure 38, item 1), washer (Figure 38, item 2), and key (Figure 38, item 3) onto drive shaft.

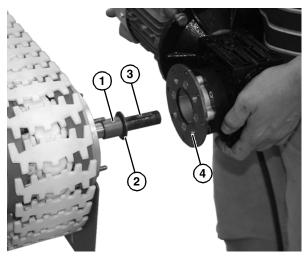


Figure 38

- Attach the motor (Figure 38, item 4) onto the drive shaft
- 3. Install four washers (**Figure 39, item 1**) and nuts (**Figure 39, item 2**) to secure motor to conveyor.

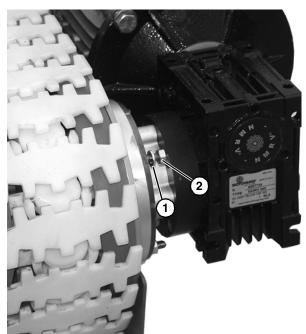


Figure 39

4. Install and tighten flat head screw (**Figure 40, item 1**) onto the drive shaft.

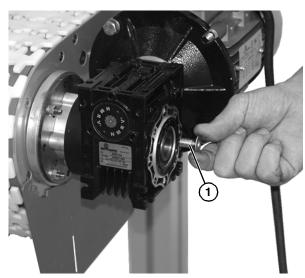


Figure 40

5. Install drive motor stand mounting bracket (Figure 41, item 1) onto the drive motor (Figure 41, item 2) with four washers and socket head screws (Figure 41, item 3).

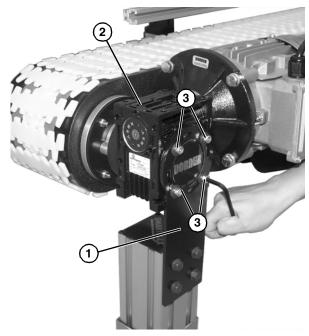


Figure 41

Required Tools

- 3/32" hex wrench
- 3 mm hex wrench
- 4 mm hex wrench
- 5 mm hex wrench
- 6 mm hex wrench
- 8 mm hex wrench
- 10 mm wrench
- 13 mm wrench
- 16 mm wrench
- Belt Removal Tool #203480

Checklist

- Keep service parts on hand. Refer to the "Service Parts" section starting on page 40 for recommendations.
- Replace any worn or damaged parts.

Lubrication

No lubrication is required. Replace bearings if worn.

Maintaining the Conveyor Belt

Troubleshooting

NOTE

Visit www.dorner.com for complete list of troubleshooting solutions.

Inspect conveyor belt for:

- · Surface cuts or wear
- Skipping

Damage to belt links or rods, surface cuts and / or wear indicate:

- Sharp or heavy parts impacting belt
- · Jammed parts
- · Accumulated dirt
- Foreign material inside the conveyor
- Improperly positioned accessories

Skipping indicates:

- Excessive load on belt
- Worn spindle or impacted dirt on drive spindle

Conveyor Belt Replacement

A WARNING



SEVERE HAZARD!

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

Replacing a Section of Belt

1. Use a punch and hammer or belt removal tool #203480 to push the belt rod (**Figure 42, item 1**) out by striking the rod end.

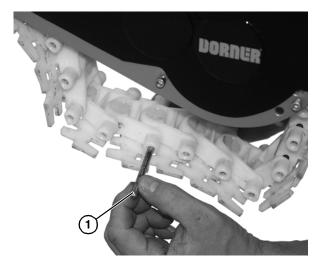


Figure 42

A WARNING



SEVERE HAZARD!

If conveyor belt is damaged or worn, replace belt section.

- 2. Remove the belt rods on both sides of the section of belt being replaced.
- 3. Replace old section of belt.

A CAUTION

DO NOT reuse belt rods that are damaged or show signs of wear.

NOTE

Before inserting belt rod to connect belt ends, be certain that the slack on belt is showing in slotted area (Figure 43, item 1) on convey or drive end.

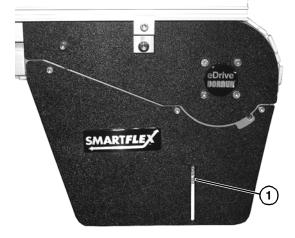


Figure 43

Replacing the Entire Belt

1. Use a punch and hammer or belt removal tool #203480 to push the belt rod (**Figure 44, item 1**) out by striking the rod end.

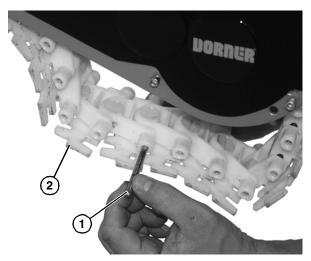


Figure 44

- Slide the old belt (Figure 44, item 2) off the conveyor frame.
- 3. Replace the old belt with a new one. Refer to "Belt Installation" on page 14.

NOTE

Drive spindle shaft assembly replacement is recommended with belt replacement (see "Drive Spindle Shaft Assembly" on page 27).

A CAUTION

DO NOT reuse belt rods that are damaged or show signs of wear.

Conveyor Belt Tensioning

A WARNING



SEVERE HAZARD!

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

NOTE

Belt should not be stretched during installation. A proper length of belt can be installed by interlocking the ends by hand without excess links.

1. Remove one or more belt links to take up tension. Refer to "Replacing a Section of Belt" on page 21.

NOTE

Before inserting belt rod to connect belt ends, be certain that the slack on belt is showing in slotted area (Figure 45, item 1) on convey or drive end.



Figure 45

Wear Strip Removal

Replace the wear strips if they become worn.

NOTE

Top and bottom wear strips are shipped pinned/attached at various places on conveyor.

- 1. Remove belt. See "Conveyor Belt Replacement" on page 21.
- 2. Remove wear strip (**Figure 46, item 1**) from top of frame assembly up to pinned end (**Figure 46, item 2**).



Figure 46

- 3. Cut and remove worn wear strip section and replace with new wear strip. See "Wear Strip Installation" on page 23.
- 4. Remove lower wear strips, as needed, repeat procedure used for upper wear strips.

Wear Strip Installation

1. Remove wear strips. See "Wear Strip Removal" on page 23.

Attaching Wear Strip on Straight Frame

 Start the wear strips (Figure 47, item 1) at an idler end (Figure 47, item 2) of conveyor. Separate the top and bottom flange of the wear strip at the end of rail and press into place.

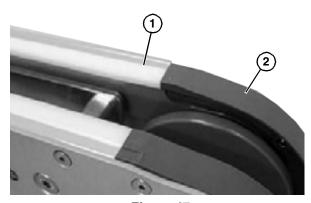


Figure 47

2. Make sure the wear strip (**Figure 48**, **item 1**) is properly mounted and snaps onto the frame (**Figure 48**, **item 2**). Please identify the longer flange of the wear strip must always face the inside of the conveyor.

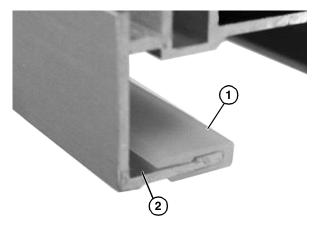
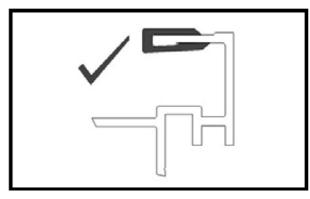
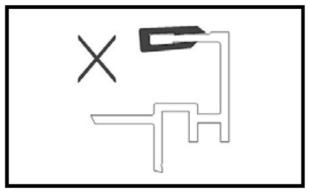


Figure 48



Correct Installation



Wrong Installation

Attaching Wear Strip on Conveyor Frame

1. Cut both wear strip (**Figure 49, item 1**) ends in a 45° angle. The beginning of a new wear strip (in the direction of travel) must cut back a small angle.

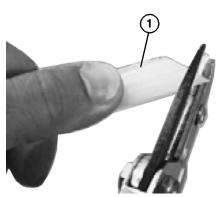


Figure 49

Allow a space of approximately 1/16" to 1/8" (Figure 50, item 1) between two wear strip ends. The travel direction is indicated by arrow.

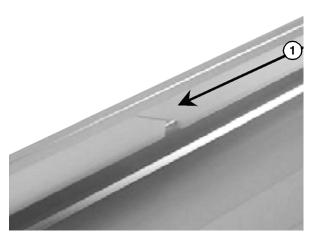


Figure 50

Do not place two wear strip joints opposite each other.
 Make sure there is a distance of at least 4" (Figure 51, item 1) between them to make the chain run smoother. This does not apply to a wear strip that begins by an idler unit or after a drive tail, where joints are always parallel.

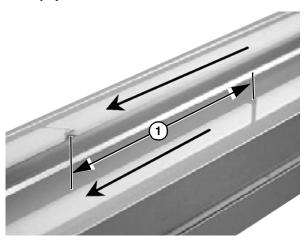


Figure 51

NOTE

Try to let the wear strip run in as continuous lengths as possible by reducing number of breaks, except in circumstances stated below:

- It is recommended to use short wear strips (75" 100") where chemicals may have an effect on the wear strip composition.
- It is important to cut the wear strip and allow for elongation in high load areas. Cutting is required in wheel bends (see following page), at idler tails and where the conveyor will be heavily loaded, especially at drive unit. This prevents the wear strip from stretching out and entering into the drive tail, which may block the chain movement.
- Never join wear strip in horizontal or vertical bends, since forces are higher on the wear strip side in these sections. Instead, place the joint before the bend.
- Avoid joining wear strips on top of the conveyor frame joints.

Attaching Wear Strip at Wheel Bend

1. Cut the wear strip end flat (**Figure 52**, **item 1**). Make sure there is no gap created at the plastic molding part.

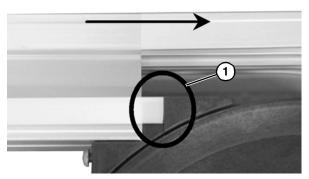


Figure 52

2. The step is applied onto out feed end (**Figure 53, item 1**) as well.

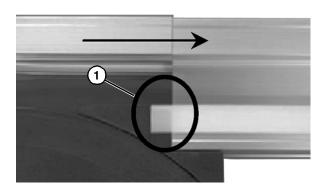


Figure 53

3. In the outer bend (**Figure 54, item 1**), make sure that the wear strip is properly connected to the conveyor frame.



Figure 54

Attaching Wear Strip

1. Attach wear strip replacement tool (**Figure 55, item 1**) over wear strip (**Figure 55, item 2**) and frame near the beginning of each wear strip section. Tightly secure in place.

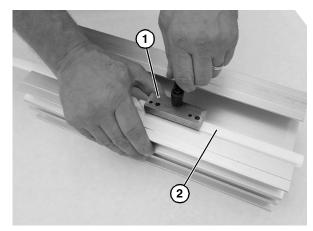


Figure 55

Using the wear strip replacement tool (Figure 56, item 1) drill two holes through the two small location holes (Figure 56, item 2) through the wear strip and frame using the #18 drill bit from the wear strip replacement kit.

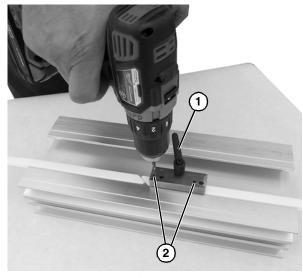


Figure 56

- 3. Remove debris from conveyor frame.
- 4. Relocate wear strip replacement tool to align the two larger guide holes with the holes drilled in the frame.

Pressing down firmly, install nylon set screws (Figure 57, item 1) through larger guide holes (Figure 57, item 2) into conveyor frame.

NOTE

Nylon set screw should be almost flush with the wear strip top when installed correctly.

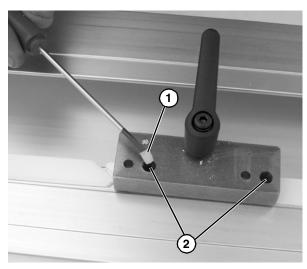


Figure 57

 Using a file, scrape off the top of the nylon set screw above the wear strip (Figure 58, item 1) to assure a smooth surface for the belt.

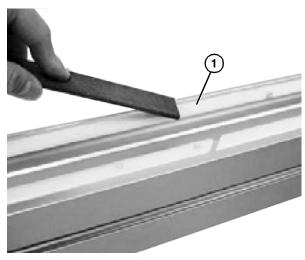


Figure 58

Idler Pulley Assembly

A WARNING



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

Remove four (4) head plate fastening screws (Figure 59, item 1) and remove cover plate (Figure 59, item 2).
 Repeat on opposite side of idler tail assembly.

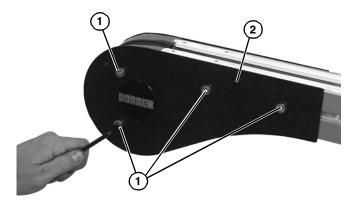


Figure 59

2. Remove two flat head screws (**Figure 60, item 1**) from idler head plate assembly.

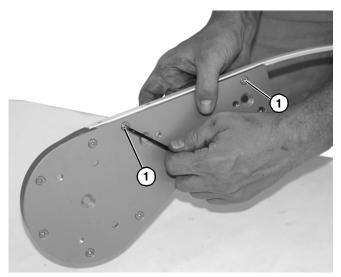


Figure 60

3. Remove three flat head screws (**Figure 61, item 1**).

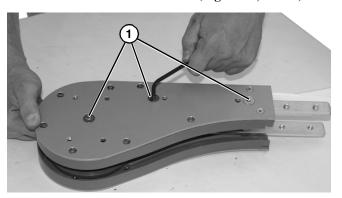


Figure 61

4. Remove the head plate (Figure 62, item 1) from the idler end, making note of two spacers (Figure 62, item 2) on idler head plate assembly.

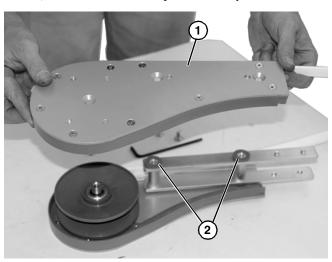


Figure 62

5. Remove flat head screw (**Figure 63, item 1**) and remove idler pulley (**Figure 63, item 2**) from idler head plate assembly.

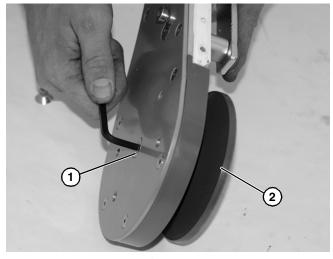


Figure 63

6. Install components reverse of removal.

Drive Spindle Shaft Assembly

A WARNING



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

- 1. Remove the gearmotor. For detailed instructions, refer to the appropriate drive package manual.
- 2. Loosen two socket head set screws (**Figure 64, item 1**) on each side of conveyor, and remove the drive tail assembly (**Figure 64, item 2**) from the conveyor frame (**Figure 64, item 3**).

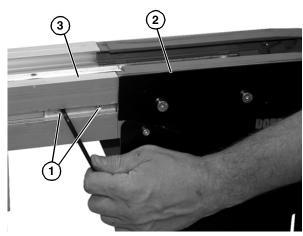


Figure 64

3. Remove two (2) head plate cover fastening screws (Figure 65, item 1) and remove cover plate (Figure 65, item 2).

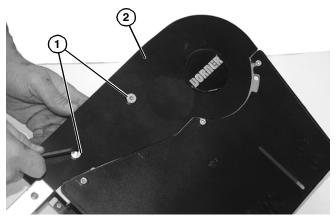


Figure 65

4. Remove four (4) socket head screws (**Figure 66**, **item 1**) on side of drive spindle.

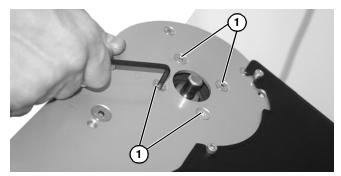


Figure 66

5. Remove two (2) socket head screws (**Figure 67, item 1**) on side of drive spindle.

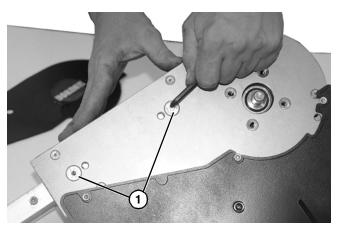


Figure 67

Remove the head plate (Figure 68, item 1) from the drive end, making note of two spacers (Figure 68, item 2) on idler head plate assembly.

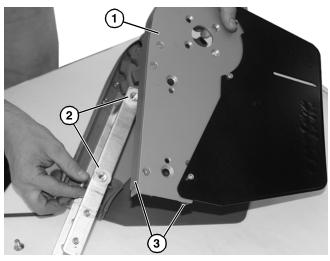


Figure 68

7. To remove upper and lower retaining guides (**Figure 68, item 3**), see "Retaining Guide Replacement" on page 28.

8. Remove spindle shaft assembly (**Figure 69, item 1**) from idler head plate assembly.

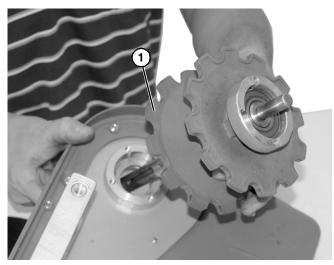


Figure 69

9. Install components reverse of removal.

Retaining Guide Replacement

Drive End

- 1. Remove drive spindle shaft assembly. See "Drive Spindle Shaft Assembly" on page 27.
- 2. Remove three socket head screws (**Figure 70, item 1**) and remove drive plate guard (**Figure 70, item 2**) from drive plate (**Figure 70, item 3**).

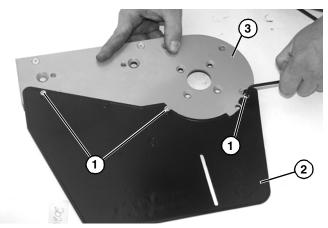


Figure 70

3. Remove two socket head screws (**Figure 71, item 1**).



Figure 71

4. Remove lower retaining guide (**Figure 72, item 1**) from drive plate (**Figure 72, item 2**).

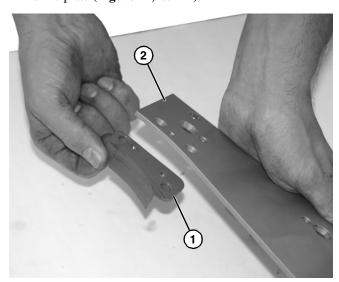


Figure 72

5. Remove five (5) socket head screws (**Figure 73, item 1**).

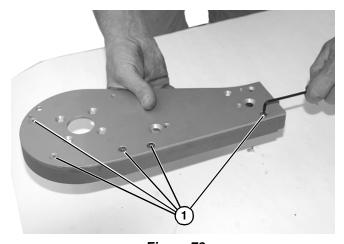


Figure 73

6. Remove upper retaining guide (**Figure 74, item 1**) from drive plate (**Figure 74, item 2**).

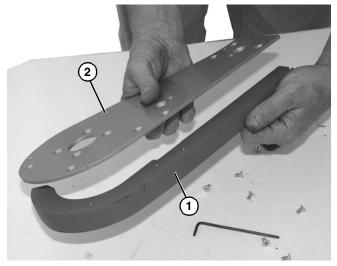


Figure 74

7. Install components reverse of removal.

Idler End

- 1. Remove idler pulley assembly. See "Idler Pulley Assembly" on page 26.
- 2. Remove seven (7) socket head screws (**Figure 75**, **item 1**) from idler head plate assembly.

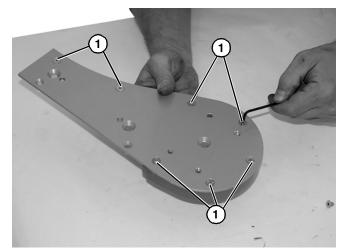


Figure 75

 Remove retaining guide (Figure 76, item 1) from idler head plate assembly (Figure 76, item 2). Replace components, as needed.

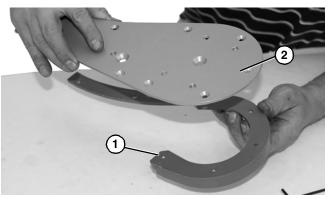


Figure 76

4. Install components reverse of removal.

Curve Assembly



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

1. Remove socket head screw (**Figure 77**, **item 1**) and socket head screw (**Figure 77**, **item 2**) from corner wheel assembly pinch bracket (**Figure 77**, **item 3**).

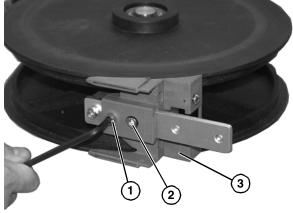


Figure 77

2. Install components reverse of removal.

Weighted Take-Up

1. Remove two socket head screws (**Figure 78, item 1**) on each side securing assembly to frame.

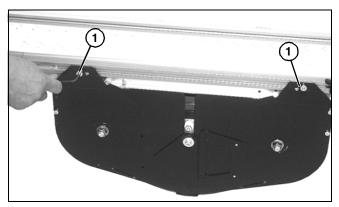


Figure 78

2. Lower weighted take up assembly (**Figure 79, item 1**) from conveyor (**Figure 79, item 2**) by disengaging locking teeth (**Figure 79, item 3**) on both sides.

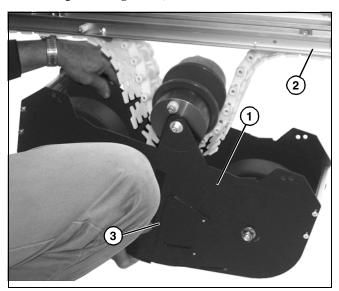


Figure 79

3. Use two wrenches to remove nut (**Figure 80, item 1**) on bolt securing wheel (**Figure 80, item 2**) onto weighted take up assembly housing (**Figure 80, item 3**).

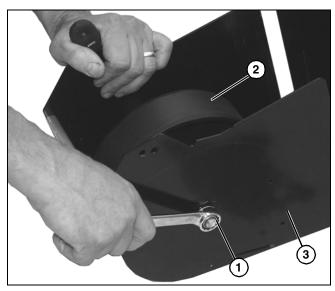


Figure 80

4. Remove bolt (Figure 81, item 1), washer (Figure 81, item 2), two spacers (Figure 81, item 3), and wheel (Figure 81, item 4) from take up assembly housing (Figure 81, item 5).

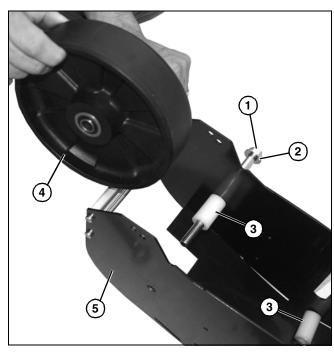


Figure 81

5. Remove idler pulley assembly (**Figure 82, item 1**) from belt (**Figure 82, item 2**).

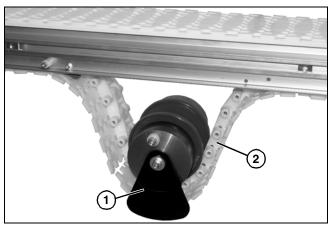


Figure 82

6. Remove socket head screw (**Figure 83**, **item 1**) from end of idler pulley assembly.

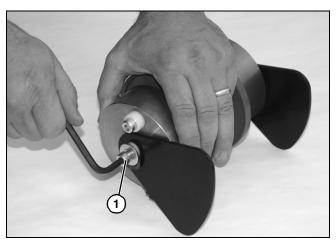


Figure 83

7. Remove bolt (Figure 84, item 1), washer (Figure 84, item 2), spacer (Figure 84, item 3), wave washer (Figure 84, item 4), and plate (Figure 84, item 5) from end of idler assembly (Figure 84, item 6).

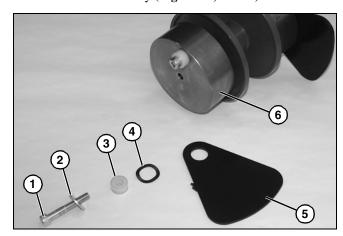


Figure 84

- 8. Repeat on opposite side.
- 9. Remove two weights (**Figure 85, item 1**) from each side of pulley (**Figure 85, item 2**).

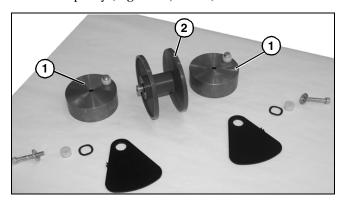


Figure 85

10. Install components reverse of removal, using two hex wrenches (**Figure 86, item 1**) on each side of idler assembly to tighten components.

NOTE

Be certain that notches (Figure 86, item 2) on both plates are on top side, and spacers are in same orientation, as shown, before tightening components.

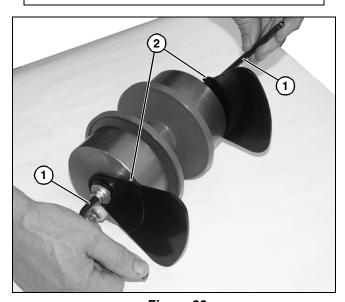


Figure 86

11. Install idler pulley assembly (**Figure 87, item 1**) onto weighted take up assembly (**Figure 87, item 2**).

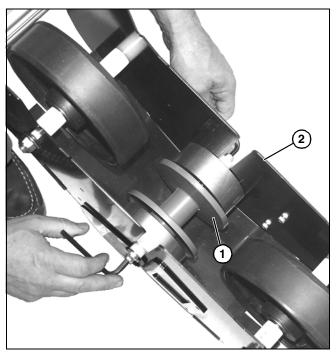


Figure 87

12. Install remaining components reverse of removal.

Power Transfer

Removal

1. Remove two hex head screws (**Figure 88**, **item 1**) and cover (**Figure 88**, **item 2**) from power transfer assembly.

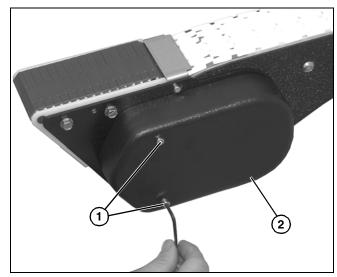


Figure 88

2. Remove power transfer cover (**Figure 89, item 1**) from power transfer assembly (**Figure 89, item 2**).

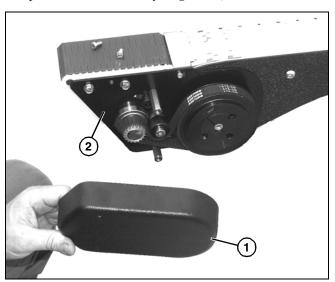


Figure 89

3. Loosen two socket head screws (Figure 90, item 1) holding tensioning pulley (Figure 90, item 2) onto timing belt (Figure 90, item 3).

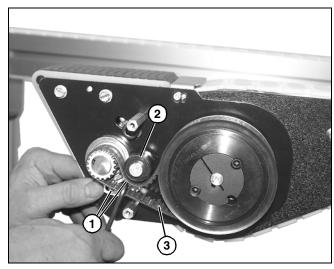


Figure 90

4. Remove timing belt (**Figure 90, item 3**) from assembly.

While holding onto nut with a wrench (Figure 91, item 1) loosen socket head screw (Figure 91, item 2) to loosen tension on belt (Figure 91, item 3).

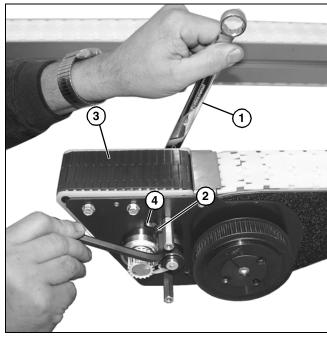


Figure 91

- 5. Slide assembly within slot (**Figure 91, item 4**) to remove tension on belt.
- 7. Remove two socket head screws (Figure 92, item 1) and tensioner plate (Figure 92, item 2).

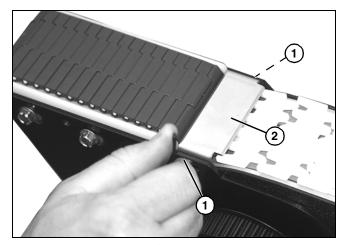


Figure 92

8. Lift slightly on belt (**Figure 93, item 1**) and push pin (**Figure 93, item 2**) out of belt.

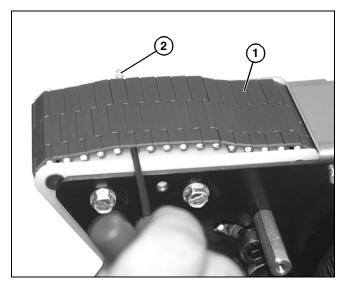


Figure 93

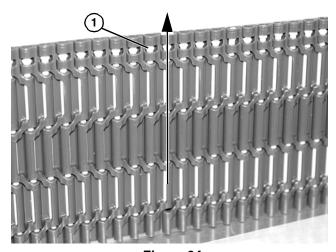


Figure 94

NOTE

Note that head of pin (Figure 94, item 1) should be removed in direction shown.

9. Remove belt.

10. Remove four bolts (**Figure 95, item 1**) holding wear bar assembly (**Figure 95, item 2**) onto power transfer.

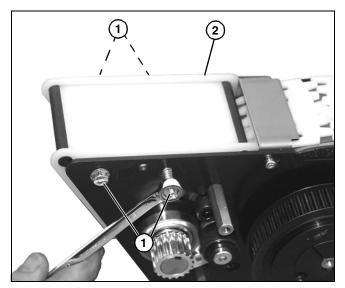


Figure 95

11. Remove wear bar assembly (**Figure 96, item 1**) from power transfer.

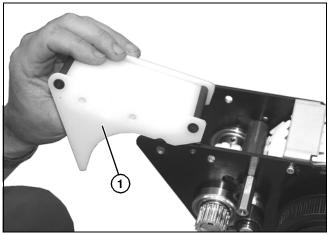


Figure 96

12. Disassemble side guide plates (**Figure 97**, **item 1**), wear rods (**Figure 97**, **item 2**), and wear bar (**Figure 97**, **item 3**). Replace worn components.

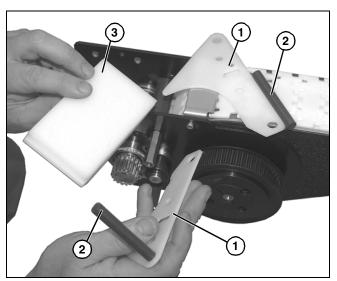


Figure 97

13. Remove nut (Figure 98, item 1), bolt (Figure 98, item 2), and wear tube (Figure 98, item 3).

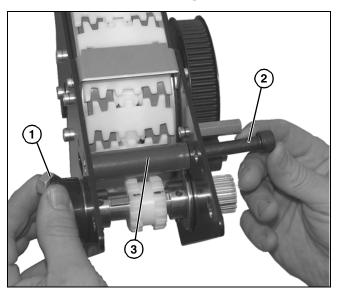


Figure 98

14. Replace wear tube and install bolt and nut to secure.

15. Loosen four set screws (**Figure 99, item 1**) on two bearings (**Figure 99, item 2**).

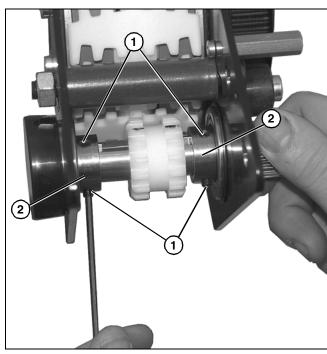


Figure 99

16. Remove drive shaft (**Figure 100, item 1**), making certain not to loose key (**Figure 100, item 2**) when removing gear (**Figure 100, item 3**).

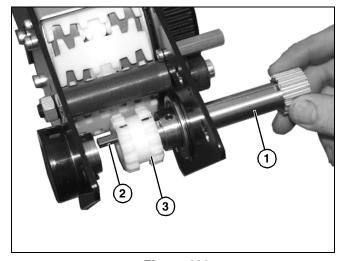


Figure 100

17. Remove key (**Figure 101, item 1**) from gear (**Figure 101, item 2**).

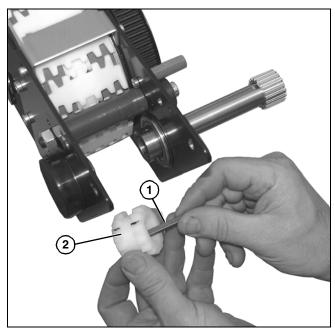


Figure 101

Installation

1. Install drive shaft (**Figure 102, item 1**) on two bearings (**Figure 102, item 2**) and press outward as shown.

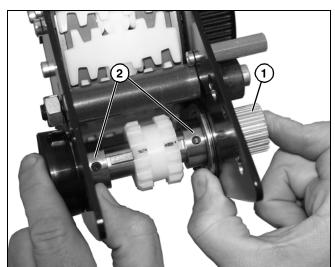


Figure 102

2. Secure drive shaft onto bearings with four set screws (Figure 103, item 1).

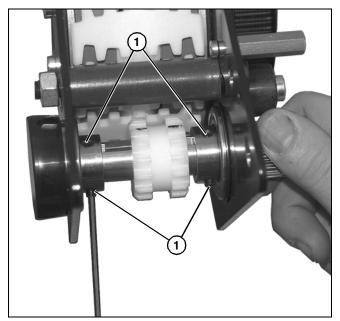


Figure 103

3. Raise belt (**Figure 104, item 1**) into position, and move gear (**Figure 104, item 2**) so that cogs line up with belt, as shown.

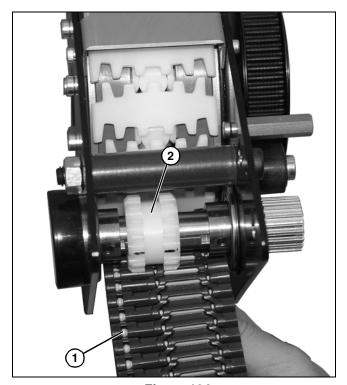


Figure 104

Preventive Maintenance and Adjustment

4. Install wear bar assembly (**Figure 105, item 1**) with four bolts (**Figure 105, item 2**).

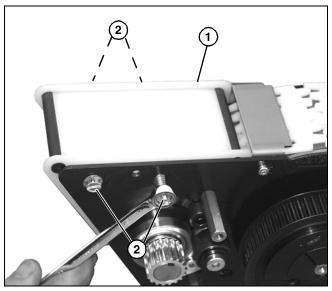


Figure 105

Guide belt (Figure 106, item 1) through wear bar assembly with belt routing under gear (Figure 106, item 2) and over wear tube (Figure 106, item 3).

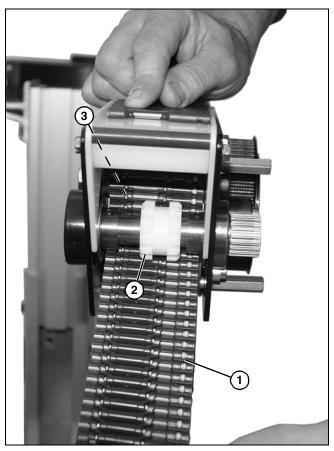


Figure 106

6. Bring ends of belt together and install pin (**Figure 107, item 1**).

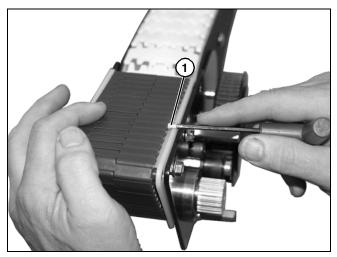


Figure 107

7. Install tensioner plate (**Figure 108, item 1**) with two socket head screws (**Figure 108, item 2**).

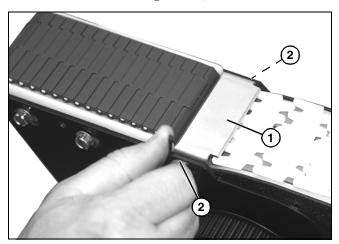


Figure 108

Preventive Maintenance and Adjustment

While holding onto nut with a wrench (Figure 109, item 1), slide assembly within slot (Figure 109, item 2) to remove excess slack from belt (Figure 109, item 3). Tighten hex head screw (Figure 109, item 4).

A CAUTION

DO NOT overtighten belt or excessive wear will occur.

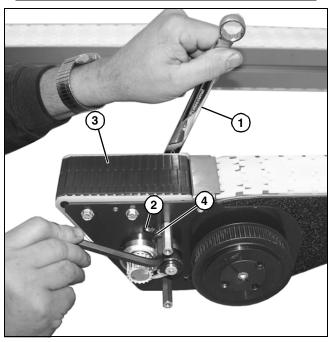


Figure 109

9. Rotate drive shaft (**Figure 110, item 1**) to verify tightness of belt (**Figure 110, item 2**). Belt should turn freely. Loosen hex head screw (**Figure 110, item 3**) and adjust, if necessary.

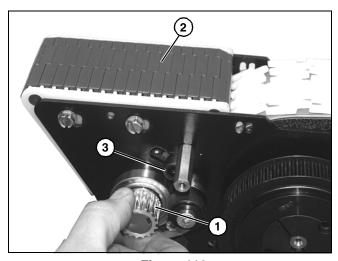


Figure 110

- 10. Install timing belt:
- On idler end, route and install belt (**Figure 111**, **item 1**) as shown. Press down on tensioner (**Figure 111**, **item 2**) and tighten two hex head screws (**Figure 111**, **item 3**).

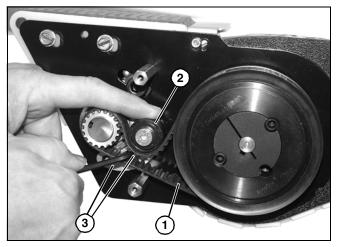


Figure 111

On drive end, route and install belt (Figure 112, item 1) as shown. Press upward on tensioner (Figure 112, item 2) and tighten two hex head screws (Figure 112, item 3)

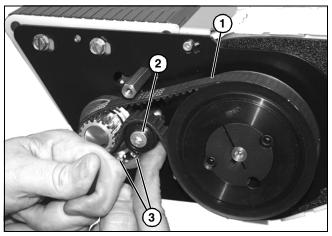


Figure 112

11. Install cover (**Figure 113, item 1**) with two hex head screws (**Figure 113, item 2**).

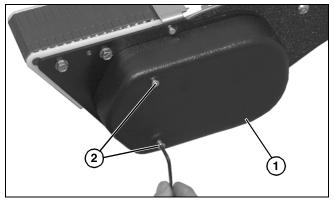


Figure 113

Preventive Maintenance and Adjustment

Roller Transfer

1. Remove two hex head screws (**Figure 114, item 1**) on each side of conveyor, and remove roller transfer assembly (**Figure 114, item 2**) from conveyor.



Figure 114

2. Remove two nuts (**Figure 115, item 1**) from one end of roller transfer assembly.

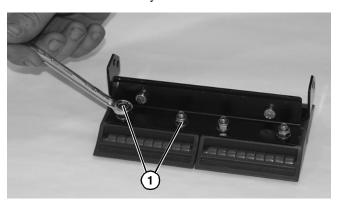


Figure 115

3. Remove nuts (**Figure 116, item 1**), washers (**Figure 116, item 2**), and roller transfer (**Figure 116, item 3**) from frame (**Figure 116, item 4**).

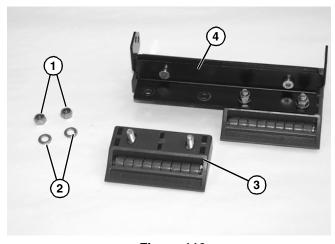
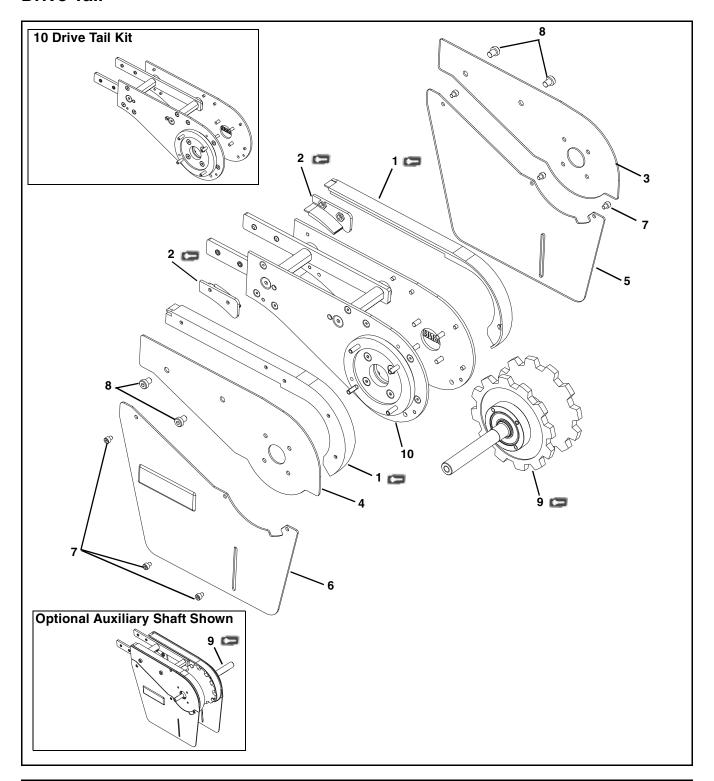


Figure 116

NOTE

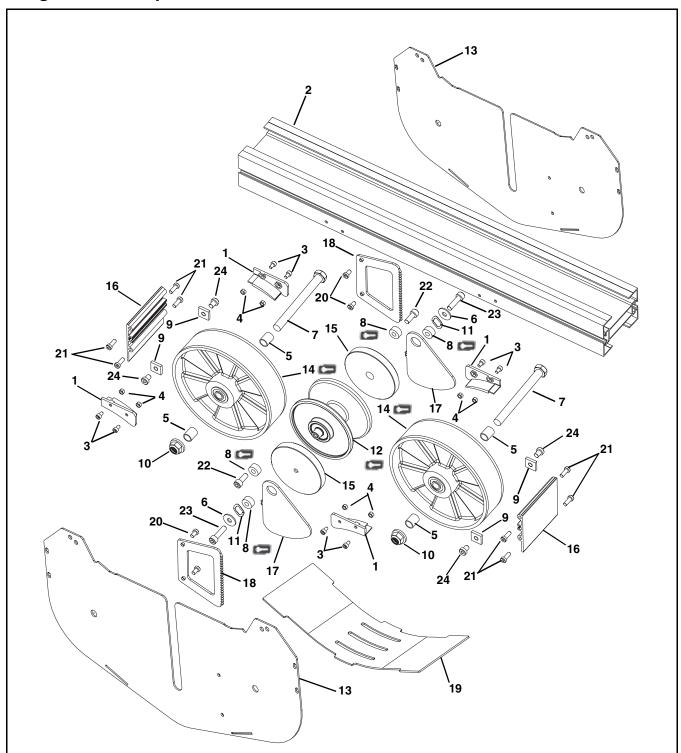
For replacement parts other than those shown in this section, contact an authorized Dorner Service Center or the factory. Key Service Parts and Kits are identified by the Performance Parts Kits logo . Dorner recommends keeping these parts on hand.

Drive Tail



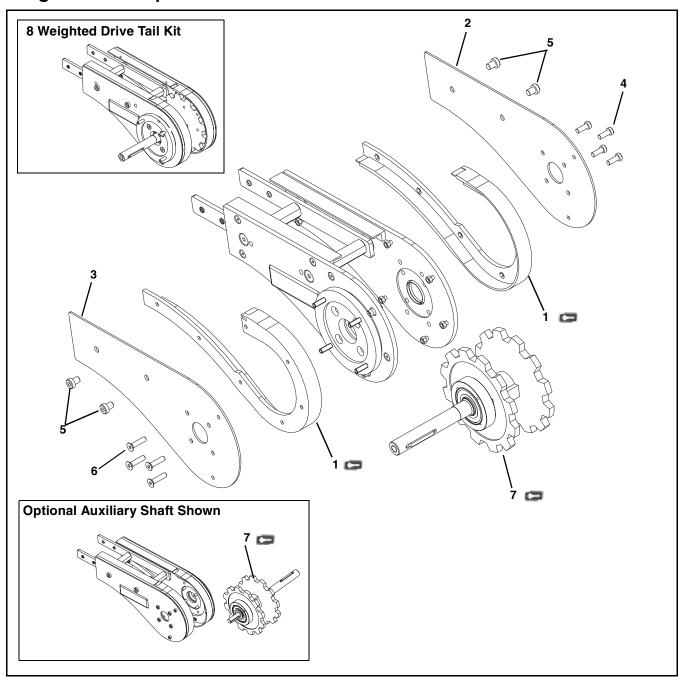
Item	Part Number	Description	
1	834-120	Retaining Guide Set for 65 width Conveyor	
0	834-149	Retaining Guide Set for 105 & 150 width Conveyors	
2	834-124	Belt Capture Guide Set for 65 width Conveyors	
	834-151	Belt Capture Guide Set for 105 & 150 width Conveyors	
3	202995- <u>WWW</u> LH	Drive Plate Guard - Left Hand	
4	202995- <u>WWW</u> RH	Drive Plate Guard - Right Hand	
5	203365-LH	Bottom Drive Guard - Left Hand	
6	203365-RH	Bottom Drive Guard - Right Hand	
7	910506M	Button Head Screw, M5-0.80 x 6 mm	
8	920812M	Button Head Cap Screw, M8-1.25 x 12 mm	
9	204170- <u>WWW</u>	Spindle Shaft Assembly	
	203170- <u>WWW</u>	CE Spindle Shaft Assembly	
	204071- <u>WWW</u>	Spindle Shaft Assembly with Auxiliary Shaft	
	203171- <u>WWW</u>	CE Spindle Shaft Assembly with Auxiliary Shaft	
10	204072- <u>WWW</u>	Drive Tail Kit	
	204073- <u>WWW</u>	CE Drive Tail Kit	
	207079- <u>WWW</u>	Drive Tail with Auxiliary Shaft Kit	
	204080- <u>WWW</u>	CE Drive Tail with Auxiliary Shaft Kit	
WWW	WWW= Conveyor width reference: 065, 105, 150		

Weighted Take-Up



Item	Part Number	Description
1	834-124	Belt Capture Guide Set,
		for 65 width Conveyors
	834-151	Belt Capture Guide Set,
		for 105 & 150 width Conveyors
2	203345- <u>WWW</u> - <u>LLL</u>	Conveyor Section
3	920508M	Socket Head Screw, M580 x 8 mm
4	990501M	Hex Nut, M5-0.80
5	203455	Bushing, 0.50" x 0.75"
		for 105 width Conveyors
	203456	Bushing 0.50" x 1.125"
	007.4700	for 150 width Conveyors
6	807-1760	Washer
7	807-2290	Hex Bolt, 1/2-13 x 3.5" for 65 width Conveyors
	807-2291	Hex Bolt, 1/2-13 x 5"
	007-2291	for 105 width Conveyors
	807-2292	Hex Bolt, 1/2-13 x 7"
	00. ==0=	for 150 width Conveyors
8	807-2297	Nylon Spacer, 0.75" x 0.32" x 0.375"
9	834-014	Slide Nut
10	910-320	Lock Nut
11	807-2314	Spring Washer
12	201716	Idler Pulley Assembly
		for 65 width Conveyors
	201756	Idler Pulley Assembly
		for 105 & 150 width Conveyors
13	203330	Weighted Take-Up Plate
14	203331	Wheel
15	203343	Weighted Take-Up Disk for 65 & 105 width
	000000	Conveyors Weighted Take Up Diek for 150 width
	203363	Weighted Take-Up Disk for 150 width Conveyors
16	203344- <u>WWW</u>	End Guard
17	203349	Latching Cover
18	203351	Ratchet Plate
19	203457- <u>WWW</u>	Bottom Guard
20	920691M	Low Head Cap Screw, M6-1.00 x 10 mm
21	920693M	Low Head Cap Screw, M6-1.00 x 16 mm
22	920893M 920820M	Socket Head Cap Screw, M8-125 x 20 mm
23	920820M	Socket Head Cap Screw, M8-125 x 30 mm
23	920830W	for 65 & 105 width Conveyors
	920850M	Socket Head Cap Screw, M8-125 x 50 mm
		for 150 width Conveyors
24	920891M	Low Head Cap Screw, M8-1.25 x 10 mm
WWW= Conveyor width reference: 065, 105, 150		
LLL= Conveyor frame section in inches: 029, 035, 047, 059		
Length Example: Length = 29" LLL = 029		

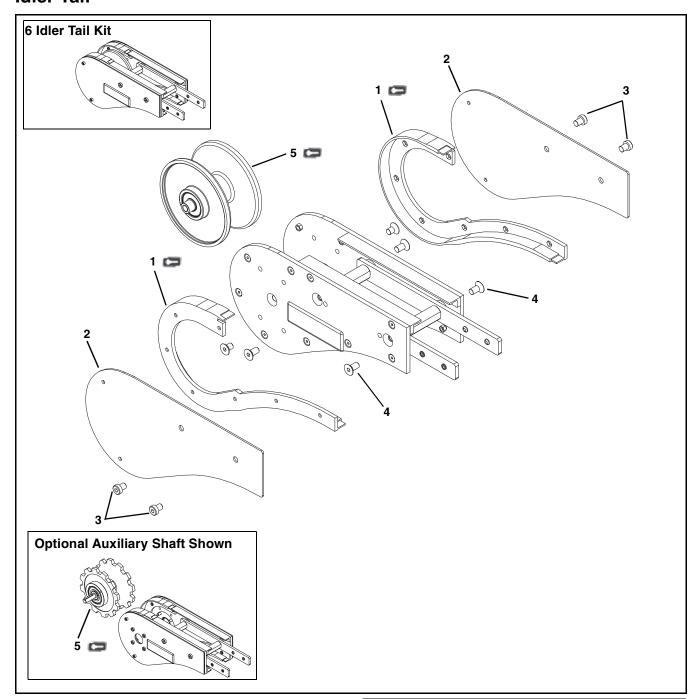
Weighted Take-Up Drive Tail



Item	Part Number	Description
1	834-130	Retaining Guide Set for 65 width Conveyors
		,
	834-157	Retaining Guide Set for 105 & 150 width Conveyors
2	202997- <u>WWW</u> LH	Drive Plate Guard - Left Hand
3	202997- <u>WWW</u> RH	Drive Plate Guard - Right Hand
4	920694M	Button Head Cap Screw, M6-1.00 x 16 mm
5	910812M	Button Head Cap Screw, M8-1.25 x 12 mm
6	930625M	Flat Head Screw, M6-1.00 x 25 mm

Item	Part Number	Description
7	203168- <u>WWW</u>	Spindle Shaft Assembly
	203184- <u>WWW</u>	CE Spindle Shaft Assembly
	203183- <u>WWW</u>	Spindle Shaft Assembly with Auxiliary Shaft
	203185- <u>WWW</u>	CE Spindle Shaft Assembly with Auxiliary Shaft
8	204083- <u>WWW</u>	Drive Tail Kit
	204085- <u>WWW</u>	CE Drive Tail Kit
	207084- <u>WWW</u>	Drive Tail with Auxiliary Shaft Kit
	204086- <u>WWW</u>	CE Drive Tail with Auxiliary Shaft Kit
WWW= Conveyor width reference: 065, 105, 150		

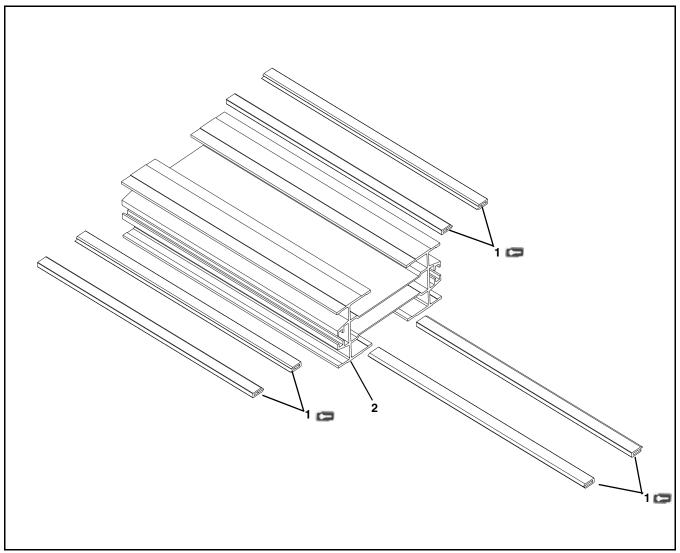
Idler Tail



Item	Part Number	Description
	834-130	Retaining Guide Left Hand for 65 width Conveyors
	834-157	Retaining Guide Left Hand for 105 & 150 width Conveyors
2	202997- <u>WWW</u> LH	Drive Plate Guard - Left Hand
	202997- <u>WWW</u> RH	Drive Plate Guard - Right Hand
3	910812M	Button Head Cap Screw, M8-1.00 x 12 mm
4	920891M	Flat Head Cap Screw, M8-1.25 x 10 mm

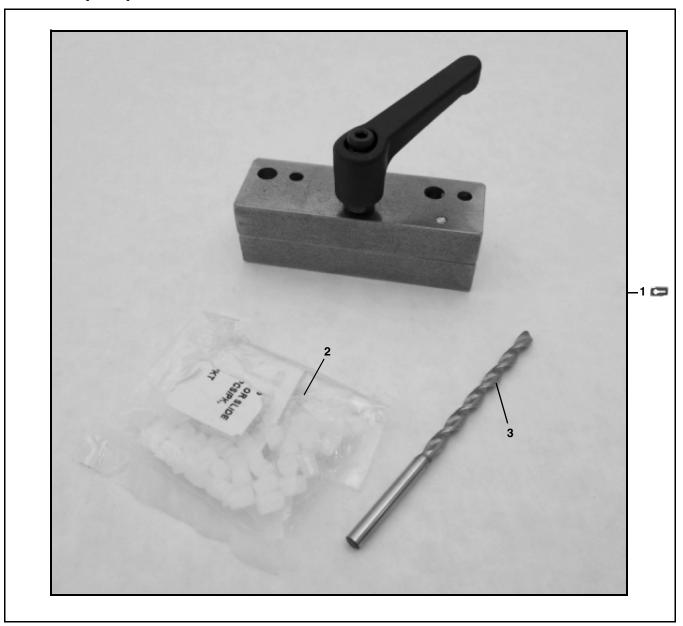
Item	Part Number	Description	
5	201716	Idler Pulley Assembly for 65 width Conveyors	
	201756	Idler Pulley Assembly for 105 & 150 width Conveyors	
	203169- <u>WWW</u>	Idler Pulley Assembly with Auxiliary Shaft	
6	202996- <u>WWW</u>	Idler Tail Kit	
	204082- <u>WWW</u>	Idler Tail with Auxiliary Shaft Kit	
WWW	WWW= Conveyor width reference: 065, 105, 150		

Frame Assembly



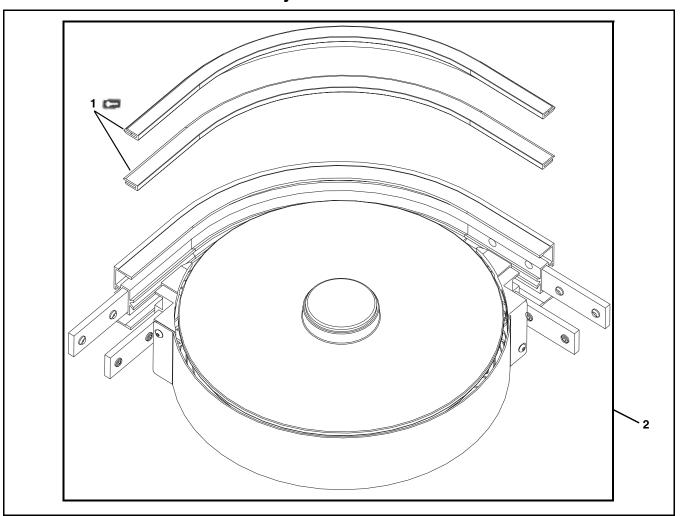
Item	Part Number	Description
1	834-001- <u>LLLLL</u>	Wear Strips
2	834-021- <u>LLLLL</u>	Frame for 65 width Conveyors
	834-041- <u>LLLLL</u>	Frame for 105 width Conveyors
	834-061- <u>LLLLL</u>	Frame for 150 width Conveyors
LLLLL = Part length in inches with two decimal places.		
Length Example: Length = 95.25" LLLLL = 09525		

Wear Strip Replacement Tool



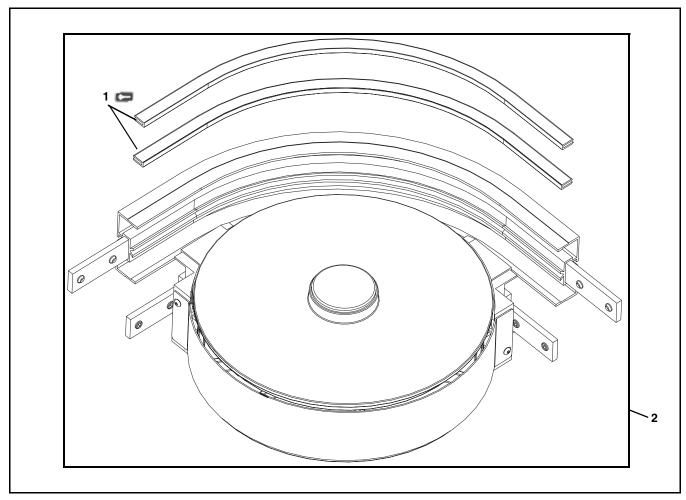
Item	Part Number	Description
1	203475	Wear Strip Replacement Tool Kit
2	834-003	Nylon Set Screws, M5 x 6 mm
3	896-1008	Drill Bit, #18, 0.1695"

65 Width Curve Frame Assembly



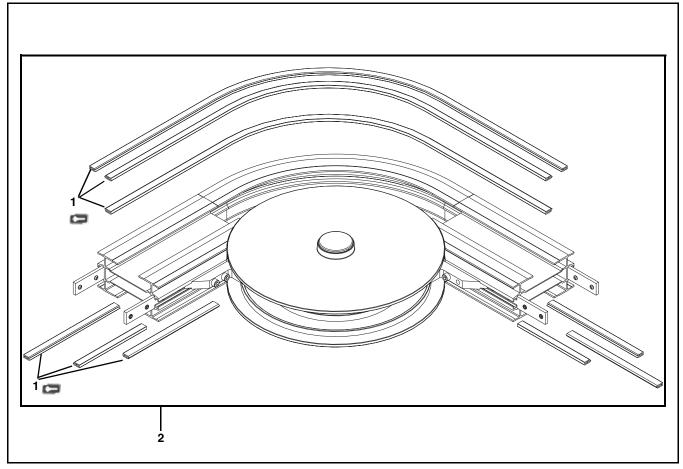
Item	Part Number	Description
1	834-001- <u>LLLLL</u>	Wear Strips
2	203458-045	45° Wheel Curve Kit
	203458-090	90° Wheel Curve Kit
	203458-180	180° Wheel Curve Kit
	834-034	90° 500 Radius Plain Bend Curve Kit
	834-035	90° 700 Radius Plain Bend Curve Kit
<u>LLLLL</u> = Part length in inches with two decimal places.		
Length Example: Length = 95.25" LLLLL = 09525		

105 Width Curve Frame Assembly



Item	Part Number	Description	
1	834-001- <u>LLLLL</u>	Wear Strips	
2	203459-045	45° Wheel Curve Kit	
	203459-090	90° Wheel Curve Kit	
	203459-135	135° Wheel Curve Kit	
	203459-180	180° Wheel Curve Kit	
	834-054	90° 500 Radius Plain Bend Curve Kit	
	834-055	90° 700 Radius Plain Bend Curve Kit	
LLLLL	LLLLL = Part length in inches with two decimal places.		
Length	Length Example: Length = 95.25" LLLLL = 09525		

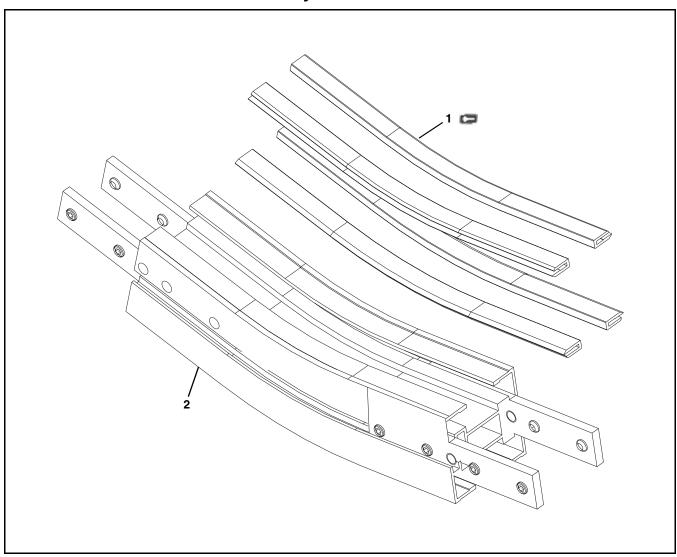
150 Width Curve Frame Assembly



Item	Part Number	Description
1	834-001- <u>LLLLL</u>	Wear Strips
2	203460-045	45° Wheel Curve Kit
	203460-090	90° Wheel Curve Kit
	203460-180	180° Wheel Curve Kit
<u>LLLLL</u> = Part length in inches with two decimal places.		
Length Example: Length = 95.25" LLLLL = 09525		

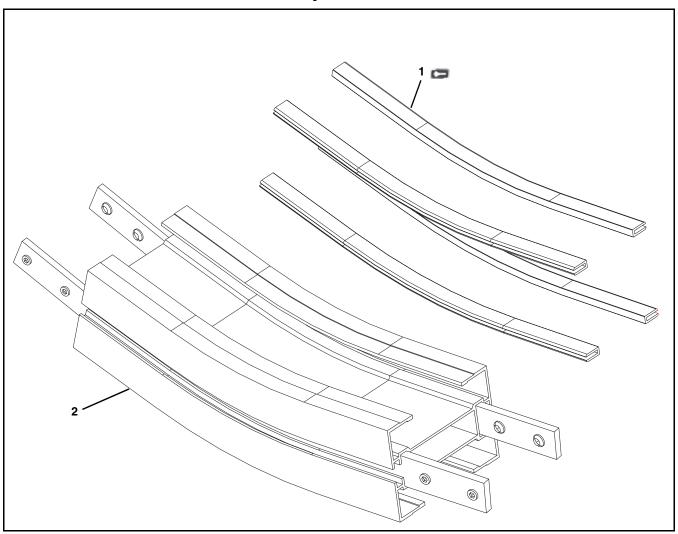
851-757 Rev. A

65 Width Knuckle Frame Assembly



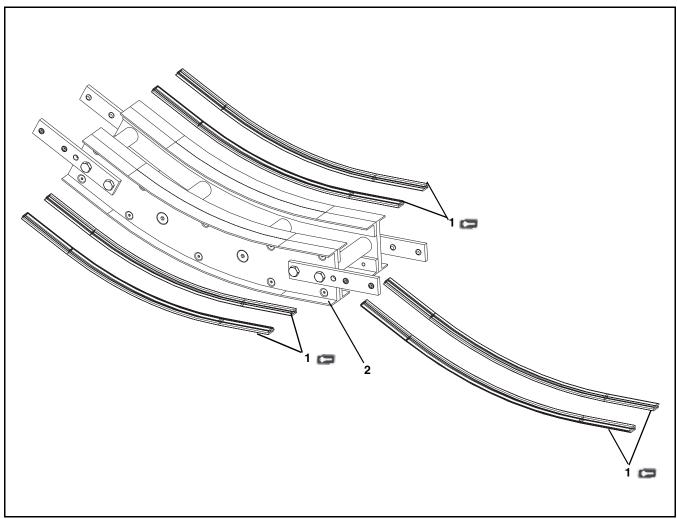
Item	Part Number	Description
1	834-001- <u>LLLLL</u>	Wear Strips
2	834-030	5° Knuckle Kit
	834-036	7° Knuckle Kit
	834-031	10° Knuckle Kit
	834-037	15° Knuckle Kit
	834-032	20° Knuckle Kit
	834-033	30° Knuckle Kit
LLLLL = Part length in inches with two decimal places.		
Length Example: Length = 95.25" LLLLL = 09525		

105 Width Knuckle Frame Assembly



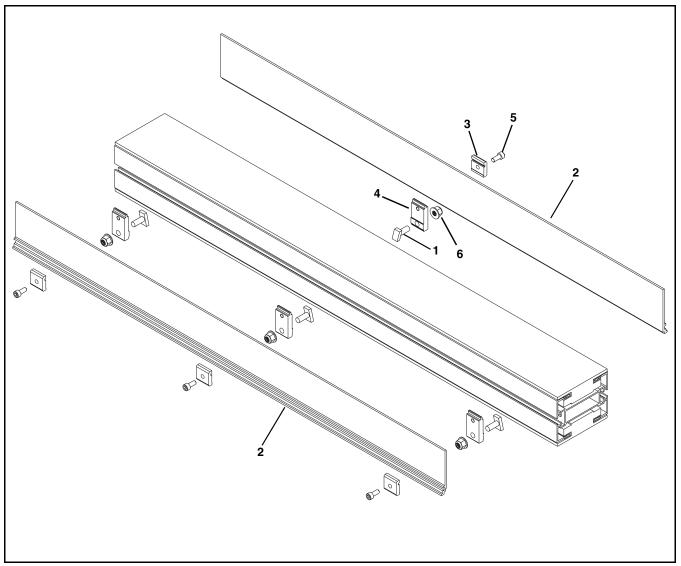
Item	Part Number	Description	
1	834-001- <u>LLLLL</u>	Wear Strips	
2	834-050	5° Knuckle Kit	
	834-056	7° Knuckle Kit	
	834-051	10° Knuckle Kit	
	834-057	15° Knuckle Kit	
	834-052	20° Knuckle Kit	
	834-053	30° Knuckle Kit	
<u>LLLLL</u> = Part length in inches with two decimal places.			
Length	Length Example: Length = 95.25" LLLLL = 09525		

150 Width Knuckle Frame Assembly



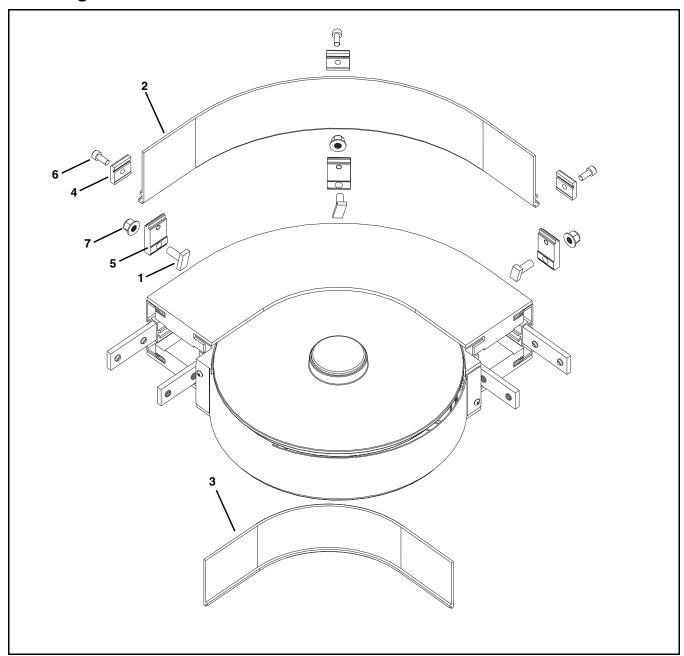
Item	Part Number	Description	
1	834-001- <u>LLLLL</u>	Wear Strips	
2	834-070	5° Knuckle Kit	
	834-071	10° Knuckle Kit	
	834-072	20° Knuckle Kit	
	834-073	30° Knuckle Kit	
<u>LLLLL</u> = Part length in inches with two decimal places.			
Length	Length Example: Length = 95.25" LLLLL = 09525		

04 3" High Sides for Straight Modules



Item	Part Number	Description
1	834-007	Stud, M8 x 20 mm
2	204127- <u>LLLLL</u>	3" High Side
3	204566	Mounting Clip
4	210829	Guide Clip Adapter
	210831	Guide Clip Adapter
		for Tail Mount Only
	210836	Guide Clip Adapter
		for Roller Transfer Tail Mount Only
5	920614M	Socket Head Screw, M6-1.00 x 14 mm
6	990812M	Hex Nut, M8-1.25
<u>LLLLL</u> = Part length in inches with two decimal places.		
Length Example: Length = 95.25" LLLLL = 09525		

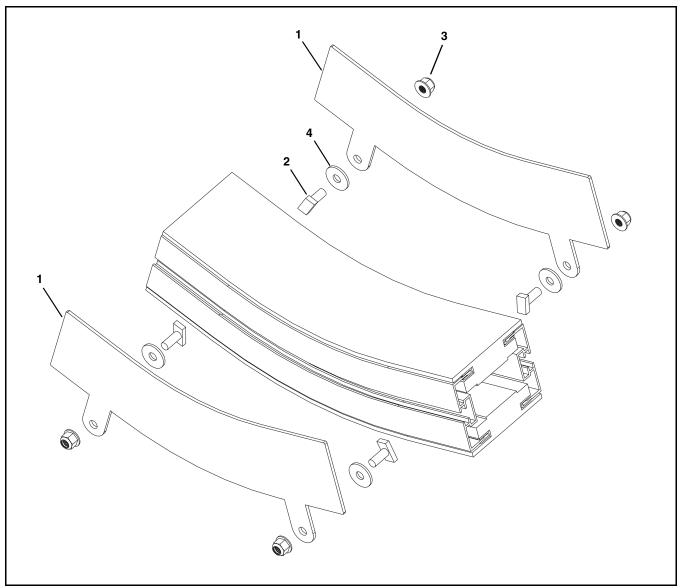
04 3" High Sides for Curve Modules



Item	Part Number	Description
1	834-007	Stud, M8 x 20 mm
2	204134- <u>WWW-AAA</u>	3" High Side for Wheel Bend Curves - Outside Edge
	204336- <u>WWW-AAA</u>	3" High Side for 500R Plain Bend Curves - Outside Edge
	204340- <u>WWW-AAA</u>	3" High Side for 700R Plain Bend Curves - Outside Edge
3	204136- <u>WWW-AAA</u>	3" High Side for Wheel Bend Curves - Inside Edge
	204335- <u>WWW</u> - <u>AAA</u>	3" High Side for 500R Plain Bend Curves - Inside Edge
	204339- <u>WWW-AAA</u>	3" High Side for 700R Plain Bend Curves - Inside Edge

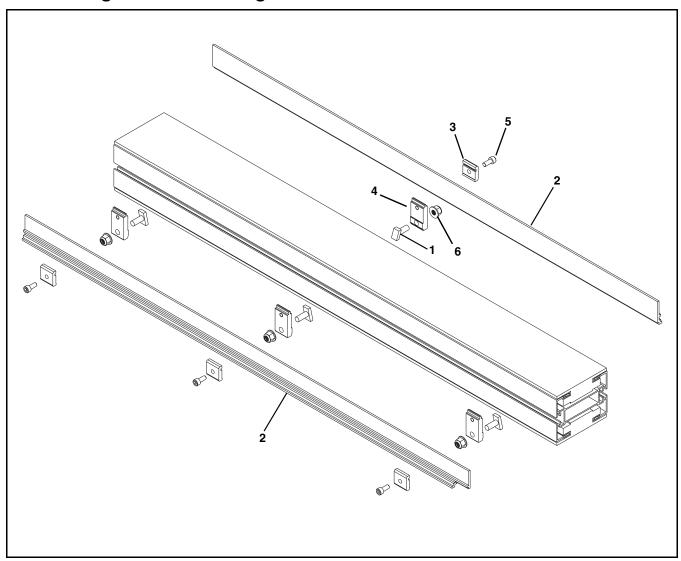
Part Number	Description	
204566	Mounting Clip	
210829	Clip Guide Adapter	
920614M	Socket Head Screw, M6-1.00 x 14 mm	
990812M	Hex Nut, M8-1.25	
WWW = Conveyor width reference: 065, 105, 150		
<u>AAA</u> = Angle of curve: 045, 090, 135, 180		
	204566 210829 920614M 990812M = Conveyor width refe	

04 3" High Sides for Incline/Decline Modules



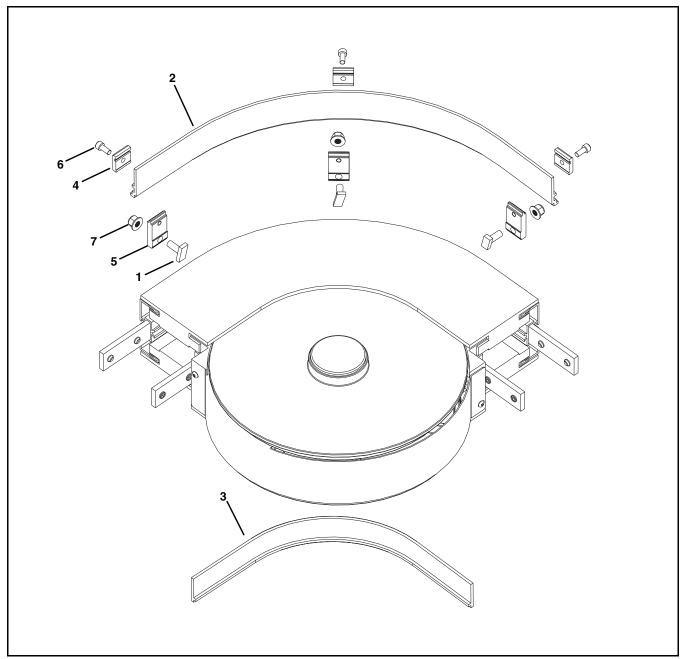
Item	Part Number	Description
1	204144- <u>AA</u> - <u>WWW</u>	Guide Plate for Lower knuckle
	204174- <u>AA</u> - <u>WWW</u>	Guide Plate for Upper Knuckle
2	834-007	Stud, M8 x 20 mm
3	990812M	Hex Nut, M8-1.25
4	204145	Spacer
WWW = Conveyor width reference: 065, 105, 150		
<u>AAA</u> = Angle of curve: 045, 090, 135, 180		

05 1.50" High Sides for Straight Modules



Item	Part Number	Description	
1	834-007	Stud, M8 x 20 mm	
2	204172- <u>LLLLL</u>	1.50" High Side	
3	204566	Mounting Clip	
4	210829	Guide Clip Adapter	
	210831	Guide Clip Adapter	
		for Tail Mount Only	
	210836	Guide Clip Adapter	
		for Roller Transfer Tail Mount Only	
5	920614M	Socket Head Screw, M6-1.00 x 14 mm	
6	990812M	Hex Nut, M8-1.25	
LLLLL = Part length in inches with two decimal places.			
Length	Length Example: Length = 95.25" LLLLL = 09525		

05 1.50" High Sides for Curve Modules

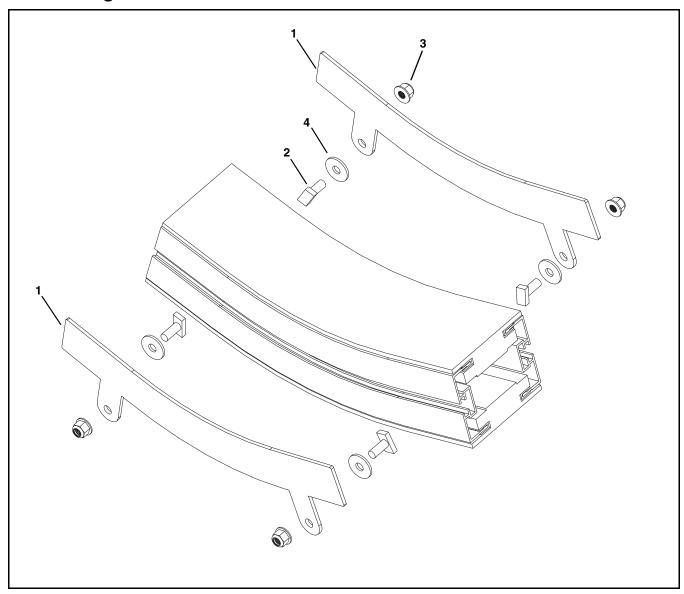


Item	Part Number	Description
1	834-007	Stud, M8 x 20 mm
2	204135- <u>WWW-AAA</u>	1.50" High Side for Wheel Bend Curves - Outside Edge
	204334- <u>WWW-AAA</u>	1.50" High Side for 500R Plain Bend Curves - Outside Edge
	204338- <u>WWW-AAA</u>	1.50" High Side for 700R Plain Bend Curves - Outside Edge
3	204137- <u>WWW-AAA</u>	1.50" High Side for Wheel Bend Curves - Inside Edge
	204333- <u>WWW-AAA</u>	1.50" High Side for 500R Plain Bend Curves - Inside Edge
	204337- <u>WWW-AAA</u>	1.50" High Side for 700R Plain Bend Curves - Inside Edge

Part Number	Description	
204566	Mounting Clip	
210829	Clip Guide Adapter	
920614M	Socket Head Screw, M6-1.00 x 14 mm	
990812M	Hex Nut, M8-1.25	
WWW = Conveyor width reference: 065, 105, 150		
<u>AAA</u> = Angle of curve: 045, 090, 135, 180		
	204566 210829 920614M 990812M = Conveyor width ref	

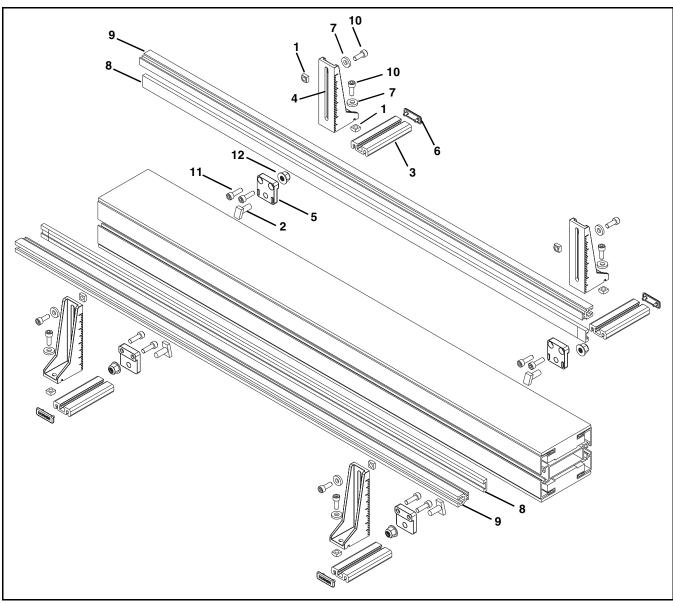
Dorner Mfg. Corp.

05 1.50" High Sides for Incline/Decline Modules



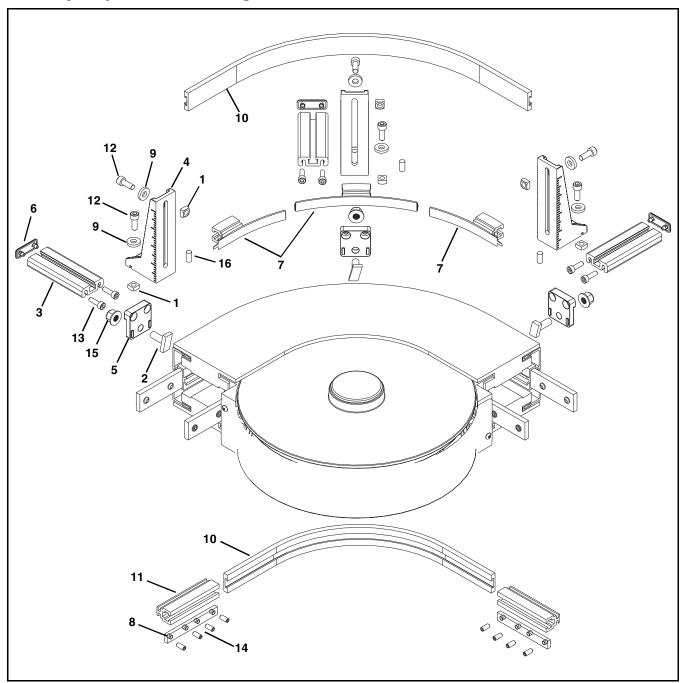
Item	Part Number	Description
1	204342- <u>AA</u> - <u>WWW</u>	Guide Plate for Lower knuckle
	204343- <u>AA</u> - <u>WWW</u>	Guide Plate for Upper Knuckle
2	834-007	Stud, M8 x 20 mm
3	990812M	Hex Nut, M8-1.25
4	204145	Spacer
WWW = Conveyor width reference: 065, 105, 150		
<u>AAA</u> = Angle of curve: 045, 090, 135, 180		

13 Fully Adjustable Guiding for Straight Modules



Item	Part Number	Description	
1	807-920	Square Nut, M6-1.0	
2	834-007	Stud, M8 x 20 mm	
3	210846-00353	Extrusion Base	
4	210847	Mounting Bracket	
5	210848	Mounting Block	
6	210849	Сар	
7	605279P	Washer	
8	614068P- <u>LLLLL</u>	Guiding	
9	636975P- <u>LLLLL</u>	Guide Rail	
10	920616M	Socket Head Screw, M6-1.00 x 16 mm	
11	920516M	Socket Head Screw, M5-0.80 x 16 mm	
12	990812M	Hex Nut, M8-1.25	
LLLLL = Part length in inches with two decimal places.			
Lenath	Length Example: Length = 95.25" LLLLL = 09525		

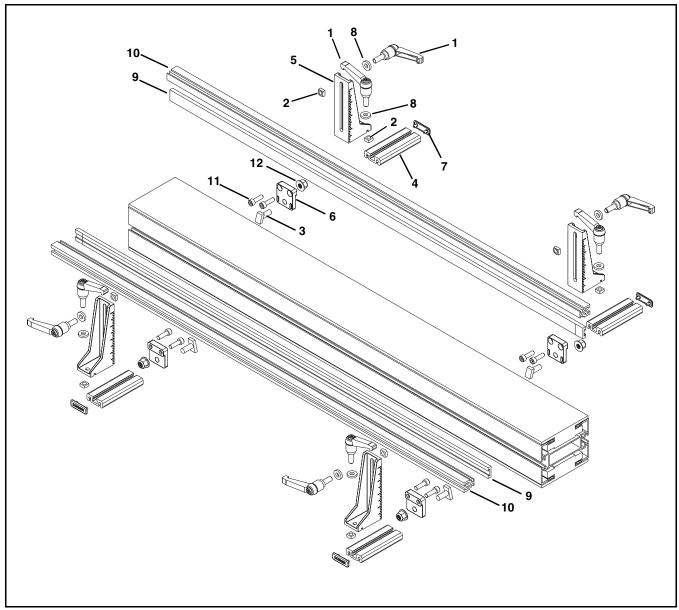
13 Fully Adjustable Guiding for Curve Modules



Item	Part Number	Description
1	807-920	Square Nut, M6-1.0
2	834-007	Stud, M8 x 20 mm
3	210846-00353	Extrusion Base
4	210847	Mounting Bracket
5	210848	Mounting Block
6	210849	Сар
7	203494	Guide Support
8	210913	Nut Bar
9	605279P	Washer
10	614068P- <u>LLLLL</u>	Guiding

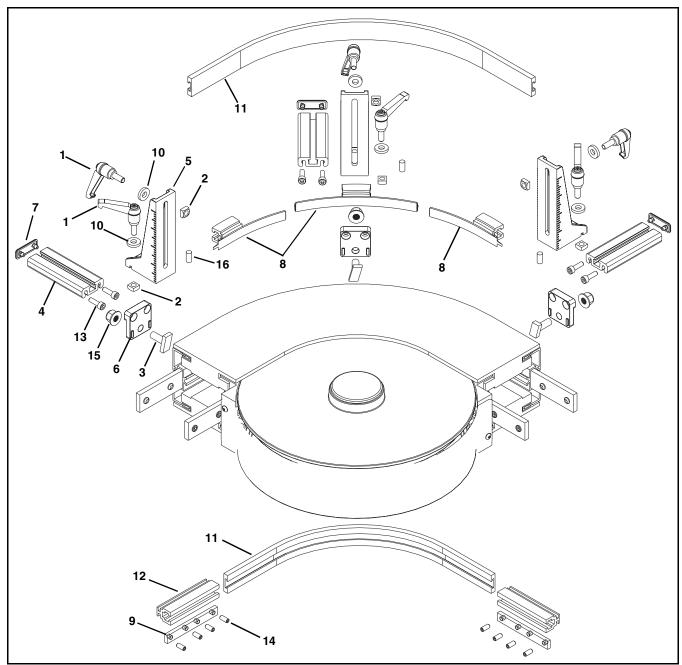
Item	Part Number	Description	
11	636975P- <u>LLLLL</u>	Guide Rail	
12	920616M	Socket Head Screw, M6-1.00 x 16 mm	
13	920516M	Socket Head Screw, M5-0.80 x 16 mm	
14	930510M	Flat Head Screw, M5-0.80 x 10 mm	
15	990812M	Hex Nut, M8-1.25	
16	913-051	Roll Pin	
<u>LLLLL</u> = Part length in inches with two decimal places.			
Lengtl	Length Example: Length = 95.25" LLLLL = 09525		

14 Tool-Less Fully Adjustable Guiding for Straight Modules



Item	Part Number	Description	
1	807-2272	Handle	
2	807-920	Square Nut, M6-1.0	
3	834-007	Stud, M8 x 20 mm	
4	210846-00353	Extrusion Base	
5	210847	Mounting Bracket	
6	210848	Mounting Block	
7	210849	Сар	
8	605279P	Washer	
9	614068P- <u>LLLLL</u>	Guiding	
10	636975P- <u>LLLLL</u>	Guide Rail	
11	920516M	Socket Head Screw, M5-0.80 x 16 mm	
12	990812M	Hex Nut, M8-1.25	
<u>LLLLL</u> = Part length in inches with two decimal places.			
Length	Length Example: Length = 95.25" LLLLL = 09525		

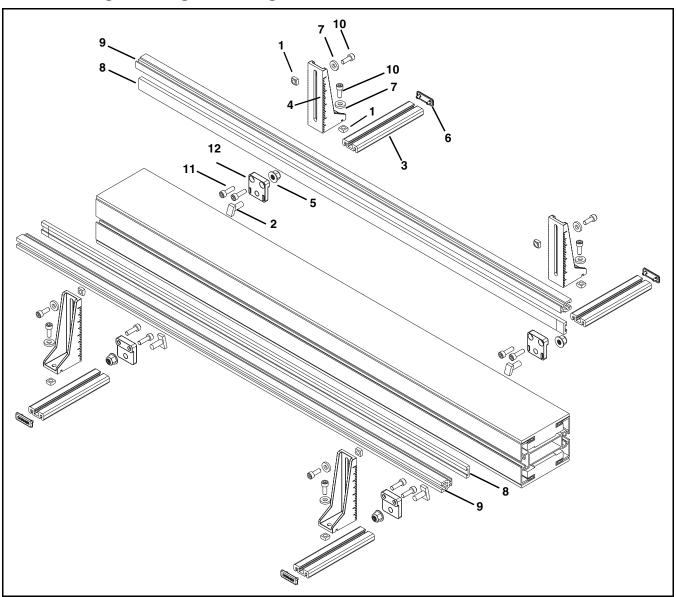
14 Tool-Less Fully Adjustable Guiding for Curve Modules



Item	Part Number	Description
1	807-2272	Handle
2	807-920	Square Nut, M6-1.0
3	834-007	Stud, M8 x 20 mm
4	210846-00353	Extrusion Base
5	210847	Mounting Bracket
6	210848	Mounting Block
7	210849	Сар
8	203494	Guide Support
9	210913	Nut Bar
10	605279P	Washer
11	614068P-LLLL	Guiding

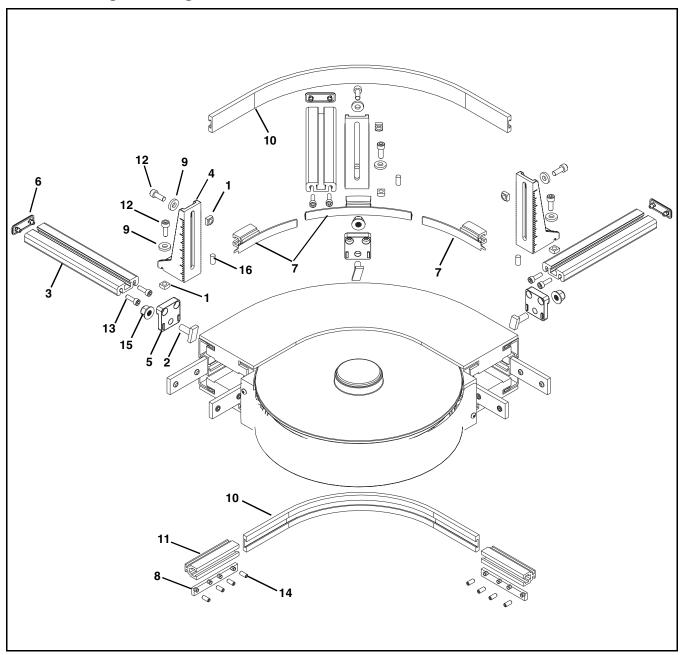
Item	Part Number	Description
12	636975P- <u>LLLLL</u>	Guide Rail
13	920516M	Socket Head Screw, M5-0.80 x 16 mm
14	930510M	Flat Head Screw, M5-0.80 x 10 mm
15	990812M	Hex Nut, M8-1.25
16	913-051	Roll Pin
<u>LLLLL</u> = Part length in inches with two decimal places.		
Length Example: Length = 95.25" LLLLL = 09525		

16 Gull Wing Guiding for Straight Modules



Item	Part Number	Description	
1	807-920	Square Nut, M6-1.0	
2	834-007	Stud, M8 x 20 mm	
3	210846-00600	Extrusion Base	
4	210847	Mounting Bracket	
5	210848	Mounting Block	
6	210849	Сар	
7	605279P	Washer	
8	614068P- <u>LLLLL</u>	Guiding	
9	636975P- <u>LLLLL</u>	Guide Rail	
10	920616M	Socket Head Screw, M6-1.00 x 16 mm	
11	920516M	Socket Head Screw, M5-0.80 x 16 mm	
12	990812M	Hex Nut, M8-1.25	
<u>LLLLL</u> = Part length in inches with two decimal places.			
Lengtl	Length Example: Length = 95.25" LLLLL = 09525		

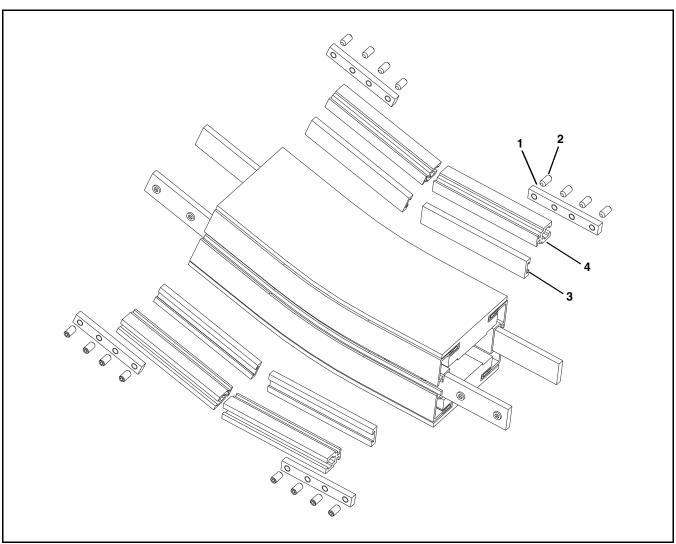
16 Gull Wing Guiding for Curve Modules



Item	Part Number	Description
1	807-920	Square Nut, M6-1.0
2	834-007	Stud, M8 x 20 mm
3	210846-00600	Extrusion Base
4	210847	Mounting Bracket
5	210848	Mounting Block
6	210849	Сар
7	203494	Guide Support
8	210913	Nut Bar
9	605279P	Washer
10	614068P- <u>LLLLL</u>	Guiding
11	636975P- <u>LLLLL</u>	Guide Rail
12	920616M	Socket Head Screw, M6-1.00 x 16 mm

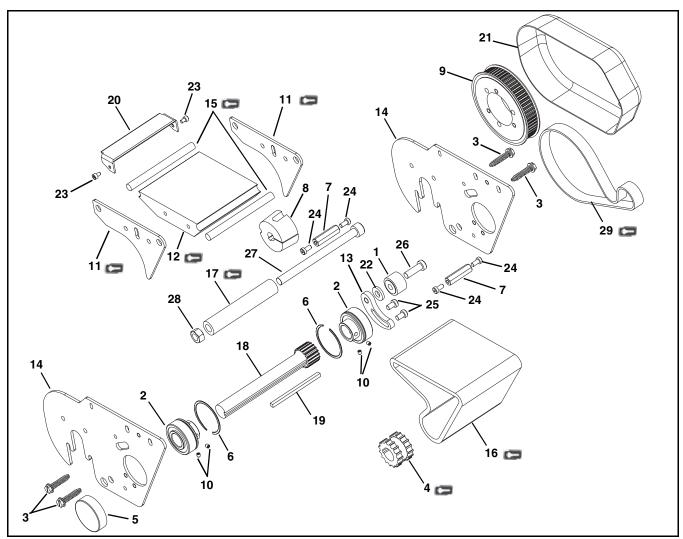
Item	Part Number	Description
13	920516M	Socket Head Screw, M5-0.80 x 16 mm
14	930510M	Flat Head Screw, M5-0.80 x 10 mm
15	990812M	Hex Nut, M8-1.25
16	913-051	Roll Pin
<u>LLLLL</u> = Part length in inches with two decimal places.		
Length Example: Length = 95.25" LLLLL = 09525		

#13 & #14 - Adjustable Guiding and #16 - Gull Wing Guiding for Incline/ Decline Modules



Item	Part Number	Description	
1	210913	Nut Bar	
2	930510M	Flat Head Screw, M5-0.80 x 10 mm	
3	614068P- <u>LLLLL</u>	Guiding	
4 636975P-LLLLL Guide Rail			
<u>LLLLL</u> = Part length in inches with two decimal places.			
Length Example: Length = 95.25" LLLLL = 09525			

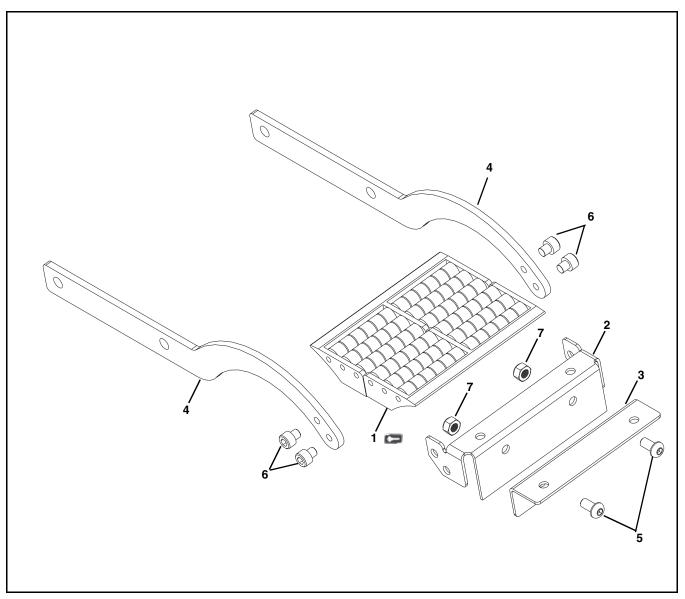
Power Transfer



Item	Part Number	Description
1	802-046	Cam Bearing
2	802-110	Bearing
3	807-1884	Sheet Metal Screws, #14 x 1.25
4	807-2009	Sprocket
5	807-2285	Cover
6	807-2286	Retaining Ring
7	807-2287	Hex Post
8	811-289	Bushing
9	811-559	Pulley
10	907-115	Socket Head Set Screw, #10-32 x 0.19
11	203229	Side Guide Plate
12	203230- <u>WWW</u>	Wear Bar
13	203231	Timing Belt Tensioner
14	203243	Side Plate for 65 width Conveyors
	203244	Side Plate for 105
		& 150 width Conveyors
15	203247- <u>WWW</u>	Wear Rod

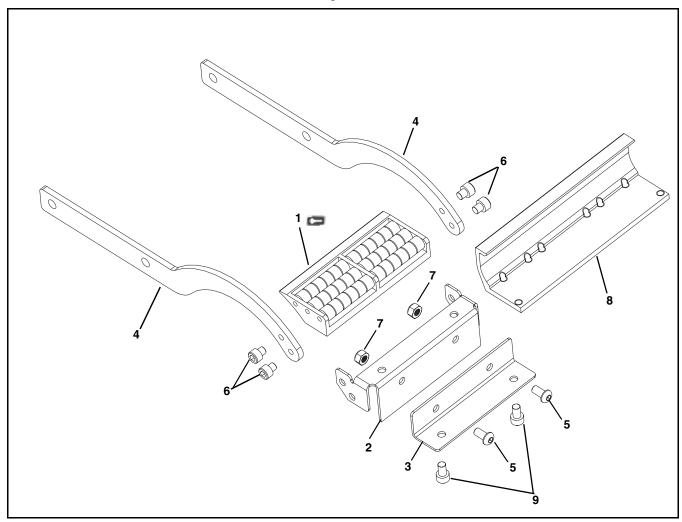
Item	Part Number	Description	
16	203249- <u>WWW</u>	Power Transfer Belt	
17	203263- <u>WWW</u>	Tensioner Tube	
18	203264- <u>WWW</u>	Shaft Assembly	
19	203267- <u>WWW</u>	Square Key, 3/16" x 105 mm	
20	203364- <u>WWW</u>	Tensioner Plate	
21	350505	Power Transfer Cover	
22	605280P	Washer	
23	920406M	Socket Head Screw, M4-0.70 x 6 mm	
24	920591M	Low Head Cap Screw, M5-0.80 x 10 mm	
25	920691M	Low Head Cap Screw, M6-1.00 x 10 mm	
26	920895M	Low Head Cap Screw, M8-1.25 x 25 mm	
27	9210130M	Socket Head Screw, M10-0.50 x 130 mm	
28	991011M	Hex Nut, M10-1.50	
29	814-065	Timing Belt 5 mm x 15 mm	
WWW	WWW= Conveyor width reference: 065, 105, 150		

Transfer Roller



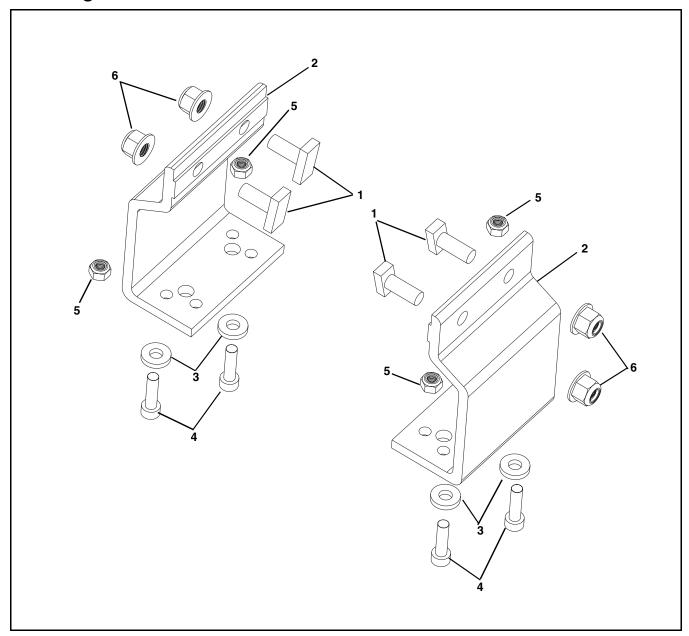
Item	Part Number	Description	
1	807-1829	Transfer Roller	
		for 65 Width Conveyors (2x)	
	807-1830	Transfer Roller	
		for 105 Width Conveyors (2x)	
	807-1829	Transfer Roller	
		for 150 Width Conveyors (4x)	
2	203068- <u>WWW</u>	Bracket	
3	203069- <u>WWW</u>	Extension Bracket	
4	204138	Roller Bar	
5	910612M	Button Head Screw, M6-1.00 x 12 mm	
6	920606M	Socket Head Screw, M6-1.00 x 6 mm	
7	990602M	Hex Nut	
WWW	WWW= Conveyor width reference: 065, 105, 150		

Transfer Roller to 2200 Series Conveyor



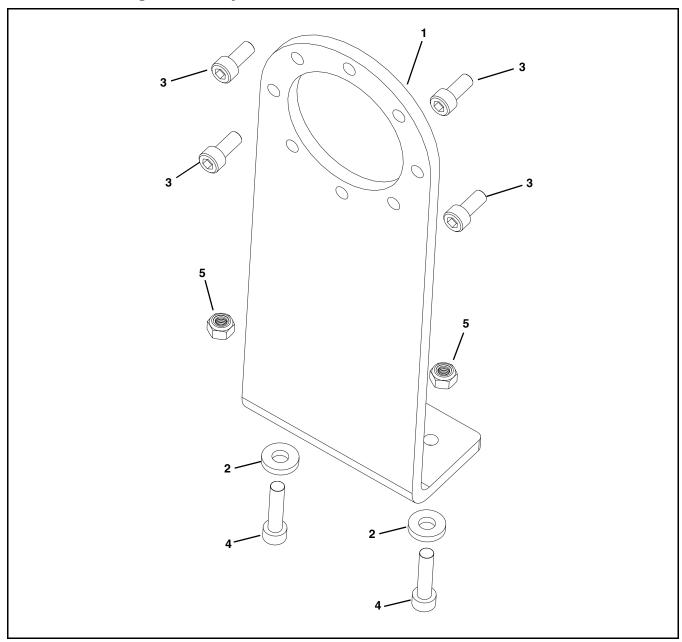
Item	Part Number	Description	
1	807-1829	Transfer Roller	
		for 65 Width Conveyors (1x)	
	807-1830	Transfer Roller	
		for 105 Width Conveyors (1x)	
	807-1829	Transfer Roller	
		for 150 Width Conveyors (2x)	
2	203068- <u>WWW</u>	Bracket	
3	203069- <u>WWW</u>	Extension Bracket	
4	204138	Roller Bar	
5	910612M	Button Head Screw, M6-1.00 x 12 mm	
6	920606M	Socket Head Screw, M6-1.00 x 6 mm	
7	990602M	Hex Nut	
8	204140	Transfer Plate	
9	920610M	Socket Head Screw, M6-1.00 x 10 mm	
WWW	WWW= Conveyor width reference: 065, 105, 150		

Mounting Brackets



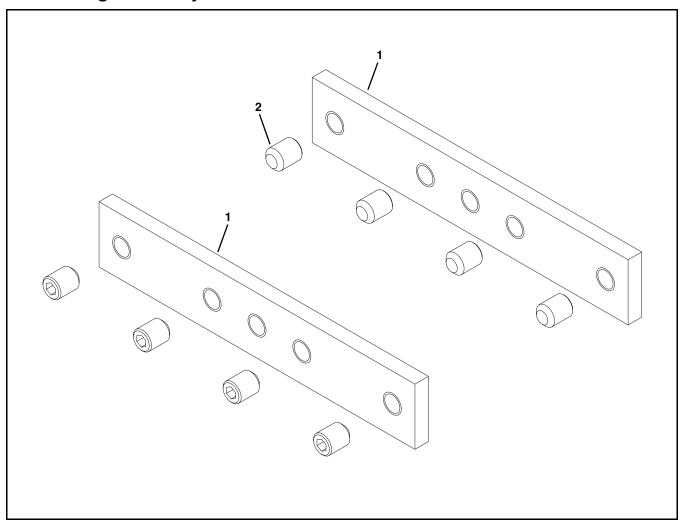
Item	Part Number	Description			
1	834-007	Stud, M8 x 20 mm			
2	834-008	Mounting Bracket			
3	605279P	Washer			
4	920622M	Socket Head Screw, M6-1.00 x 22 mm			
5	990602M	Hex Nut, M6-1.00			
6	990812M	Flanged Hex Nut, M8-1.25			

Motor Mounting Assembly



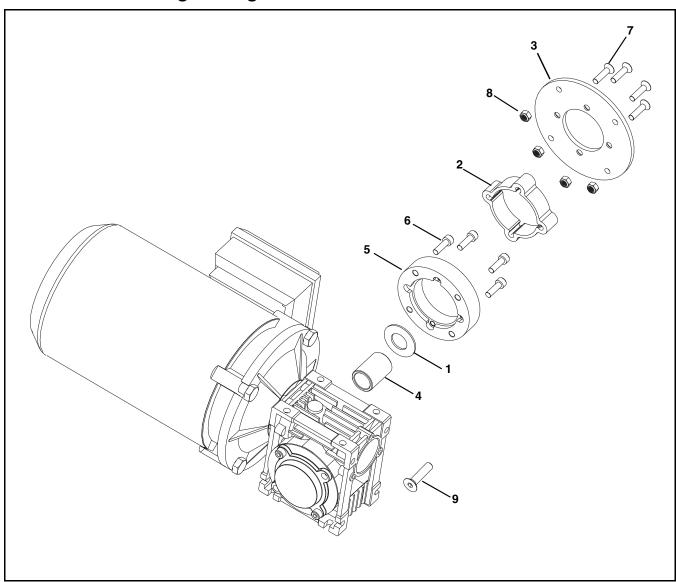
Item	Part Number	Description					
1	203166	Motor Mounting Bracket					
2	605279P	Washer					
3	920614M	Socket Head Screw, M6-1.00 x 14 mm					
4	920625M	Socket Head Screw, M6-1.00 x 25 mm					
5	990602M	Hex Nut, M6-1.00					

Connecting Assembly



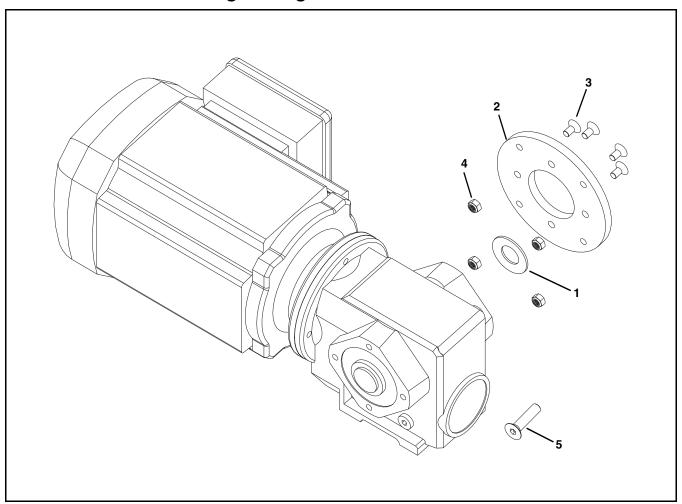
Item	Part Number	Description				
1	834-005	Connecting Bracket				
2	970810M	Set Screw, M8-1.25 x 10 mm				

Gearmotor Mounting Package



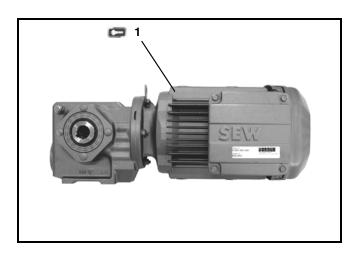
Item	Part Number	Description
1	807-2277	Spring Disc
2	202270-00075	Extrusion
3	202971	Drive Plate
4	203065	Drive Spacer
5	350115	Adapter Ring
6	920620M	Socket Head Screw, M6-1.00 x 20 mm
7	930625M	Flat Head Screw, M6-1.00 x 25 mm
8	990602M	Hex Nut, M6-1.00
9	931025M	Flat Head Screw, M10-1.50 x 25 mm

SEW Gearmotor Mounting Package



Item	Part Number	Description					
1	807-2277	Spring Disc					
2	203043	Drive Plate					
3	930612M	Flat Head Screw, M6-1.00 x 12 mm					
4	990602M	Hex Nut, M6-1.00					
5	931025M	Flat Head Screw, M10-1.50 x 25 mm					

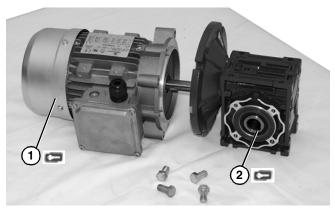
90° SEW Gearmotors



Item	Part Number	Description
0 =	32M038WS423EN	Gearmotor, 0.80 Hp (0.37 Kw), 230/460 Volts, 37.7:1
	32M013WS423EN	Gearmotor, 0.75 Hp (0.56 Kw), 230/460 Volts, 13.4:1
	32M007WS423EN	Gearmotor, 1.00 Hp (0.75 Kw),

90° Industrial Gearmotors

U.S. Version



Item	Part No.	Description					
1 😅	62MES411FN	Motor, 0.25hp (0.19Kw), 115/230 Volts, 60 Hz, 1-Phase					
	62MES423FN	Motor, 0.25hp (0.19Kw), 208-230/460 Volts, 60 Hz, 3-Phase					
	22MSD3DEN	Motor, 0.25hp (0.19Kw), 130 VDC					
	62MEH411FN	Motor, 0.5hp (0.37Kw), 115/230 Volts, 60Hz, 1-Phase					
	32MES423FN	Motor, 0.5hp (0.37Kw) 208-230/460 Volts, 60Hz, 3 Phase					
	62MHD9DEN	Motor, 0.5hp (0.37Kw), 90 VDC					
	32MES423EN	Motor, 0.5hp (0.37Kw), 230 Volts, 3 Phase Inverter Duty					
	32MHD9DEN	Motor, 0.75 hp, (0.56Kw), 90 VDC					
2	32M005EL	Gear Reducer, 5:1, NEMA 42CZ					
	32M010EL	Gear Reducer, 10:1, NEMA 42CZ					
	32M020EL	Gear Reducer, 20:1, NEMA 42CZ					
	32M040EL	Gear Reducer, 40:1, NEMA 42CZ					
	32M060EL	Gear Reducer, 60:1, NEMA 42CZ					
	32M005ES	Gear Reducer, 5:1, NEMA 56C					
	32M010ES	Gear Reducer, 10:1, NEMA 56C					
	32M020ES	Gear Reducer, 20:1, NEMA 56C					
	32M040ES	Gear Reducer, 40:1, NEMA 56C					
	32M060ES	Gear Reducer, 60:1, NEMA 56C					
	32M010EH	Gear Reducer, 10:1, NEMA 140 TC					

CE Version



Item	Part No.	Description				
1 😂	826-281	Motor, 0.19 kW 230 Volts, 1400 RPM 50 Hz, 1-Phase				
	826-282	Motor, 0.37 kW 230 Volts, 1400 RPM 50 Hz, 1-Phase				
	826-284	Motor, 0.19 kW 230/400 Volts, 1400 RPM 50 Hz, 3-Phase				
	826-285	Motor, 0.37 kW 230/400 Volts, 1400 RPM 50 Hz, 3-Phase				
2	62Z005ES	Gear Reducer, 5:1, 63 B5				
	62Z010ES	Gear Reducer, 10:1, 63 B5				
	62Z020ES	Gear Reducer, 20:1, 63 B5				
	62Z040ES	Gear Reducer, 40:1, 63 B5				
	62Z060ES	Gear Reducer, 60:1, 63 B5				
	32Z005ES	Gear Reducer, 5:1, 71 B5				
	32Z010ES	Gear Reducer, 10:1, 71 B5				
	32Z020ES	Gear Reducer, 20:1, 71 B5				

Ordering a Replacement Chain

Determine the length of the chain required for the conveyor and round up to the next foot length. Order the proper number of chain repair kits (1' long each) for your conveyor. Dorner will ship chain kits that are of reasonable length fully assembled.

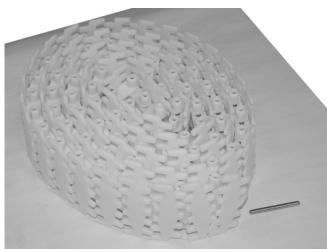
Example:

Overall chain length = 42' 5" (round up to 43')

Order Qty (43) of 834-0 W T

 \underline{W} = Width (2=65, 3=105 & 4=150 width conveyors)

 \underline{T} = Chain type (2=Low Friction, 3=Friction Insert Chains)



Item	Part Number	Description					
1	834-0 <u>WT</u>	Chain Repair Kit (Includes 1 ft (305					
		mm) of chain and assembly pins)					
<u>W</u> = Width (2=65, 3=105 & 4=150 width conveyors)							
I = Chain type (2=Low Friction, 3=Friction Insert Chains)							

Belt Removal Tool



	Item	Part Number	Description				
ſ	1	203480	Belt Removal Tool				

Notes

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.
- Reason for return.
- 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.

	Product Type								
	Standard Products						Engineered to order parts		
Product Line	Conveyors	Gearmotors & Mounting Packages	Support Stands	Accessories	Spare Parts (non-belt)	Spare Belts - Standard Flat Fabric	Spare Belts - Cleated & Specialty Fabric	Spare Belts - Plastic Chain	All equipment and parts
1100						•			
2200									
2200 Modular Belt									
2200 Precision Move									
2300									
2300 Modular Belt									
3200	30% return fee for all products except: 50% return fee for conveyors with modular belt, cleated belt or specialty belts non-returnable								
3200 LPZ							case-by-case		
3200 Precision Move		station son at appealant, sone							
4100									
5200									
5300									
6200									
Controls									
7200 / 7300		50%	6 return fe	ee for all prod	ucts				
7350									
7360	non-returnable								
7400									
7600									

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.



Dorner Mfg. Corp. reserves the right to change or discontinue products without notice. All products and services are covered in accordance with our standard warranty. All rights reserved. © Dorner Mfg. Corp. 2013

DORNER MFG. CORP.

975 Cottonwood Ave., PO Box 20 Hartland, WI 53029-0020 USA TEL 1-800-397-8664 (USA) FAX 1-800-369-2440 (USA) Internet: www.dorner.com

Outside the USA: TEL 1-262-367-7600 FAX 1-262-367-5827